

8745

N&S

Diag. Cht. No. 1233 & 1234-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. \_\_\_\_\_ Office No. T-8745

LOCALITY

State North Carolina

General locality Core and Back Sounds

Locality Lookout Bight to North River

1946-49

CHIEF OF PARTY

R.J.Sipe, Chief of Party

R.A.Gilmore & G.E.Morris, Tampa Photo Office

LIBRARY & ARCHIVES

DATE February 24, 1950

B-1870-1 (1)

8745

# DATA RECORD

T-8745

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

Quadrangle Name (IV): MARSHALLBERG

Field Office (II): Morehead City, N.C.

Chief of Party: Riley J. Sipe  
Lt. Comdr.

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: Ross A. Gilmore  
Lt. Comdr.

Instructions dated (II) (III): Field Supplement 1,  
11 December 1946  
Original undated

Copy filed in Division of  
Photogrammetry (IV) *General Files*  
~~Review Section~~

Method of Compilation (III): Graphic Compilation  
Planetable contours

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):  
July 30, 1948

Date reported to Nautical Chart Branch (IV):  
August 6, 1948

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV): 1:24,000

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.S.L.

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): GASKILL, 1933

Lat.:  $34^{\circ}43'20.520(632.3M)$  Long.:  $76^{\circ}34'08.668(220.5M)$

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

*No. Carolina State Grid*

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

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

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16216	11 April 1946	939	1:20,000	See Shoreline
16215	11 April 1946	938	1:20,000	Survey Report.

Tide from (III): See Shoreline Survey Report

Mean Range: <sup>2.5'</sup>  
<sub>3.5' Atlantic Ocean side</sub> Spring Range:

Camera: (Kind or source) USC&GS 9-Lens 8 $\frac{1}{4}$ " focal length

Field Inspection by: Williams, Howell, Horn and Reynolds date: Jan. 1947

Field Edit by: *Elgan Jenkins* date: *15 Apr. 1949*

Date of Mean High-Water Line Location (III): 25 to 27 Feb. 1947

Projection and Grids ruled by (III) H.R. (Wash. Office) date: 18 Nov. 1947  
 " " " checked by: T.L.J. (Wash. Office)

date: 18 Nov. 1947

Control plotted by: C.H. Baldwin date: 23 Dec. 1947

Control checked by: I.I. Saperstein date: 26 Dec. 1947

Radial Plot by: E.C. Andrews & R.J. Pate date: 13 April 1948

Detailed by: R.R. Wagner date: June 1948

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

Map Manuscript  
 Elevations on ~~Field Edit Sheet~~  
 checked by: J. A. Giles date: July 1948

STATISTICS (III)

Land Area (Sq. Statute Miles): 16.5

Shoreline (More than 200 meters to opposite shore): 62 Statute miles

Shoreline (Less than 200 meters to opposite shore): 5.6 " "

Number of Recoverable Topographic Stations established: 38

Number of Temporary Hydrographic Stations located by radial plot: None

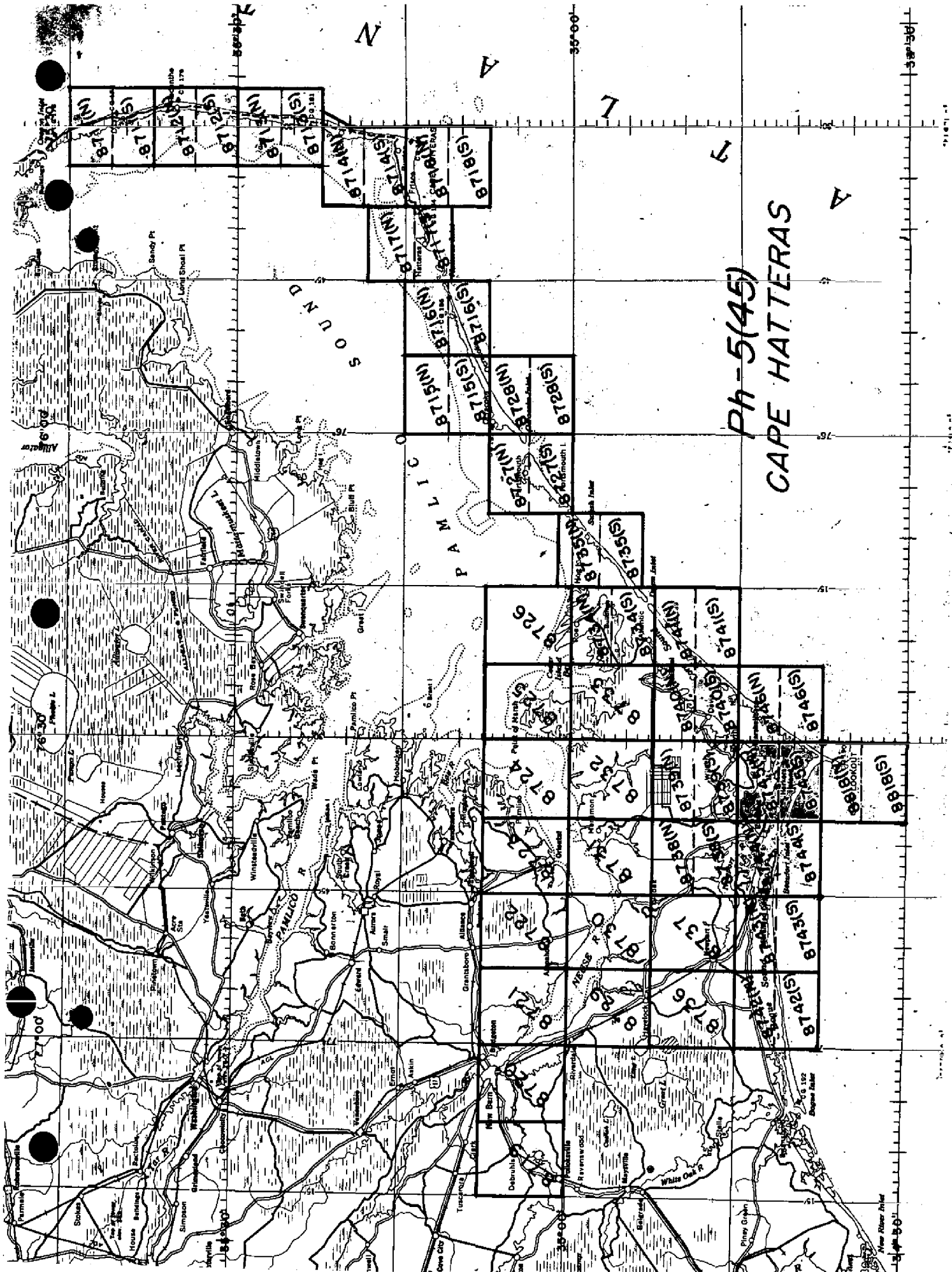
Leveling (to control contours) - miles: 35

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:





PH-5(45)  
CAPE HATTERAS

N

A

7

5

A

135.00

135.00

135.00

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135.00

135.00

Summary to Accompany T-8745

1. T-8745 is one of 37 standard 7 $\frac{1}{2}$  minute quadrangles in ~~quadrangles in~~ Project Ph-5(45), and is in the southern part of the project immediately East of Beaufort, and north of Cape Lookout, N.C.

It covers part of the mainland, Core Banks, Shadelford Banks, and Harkers Island in and around Back and Core Sounds.

~~T-8745 is also one of a series of eight quadrangles in project Ph 5(45) composed of three separate map manuscripts as follows:~~

T-8745      Topographic Map Manuscript 1:20,000 scale  
T-8745 N/2 Shoreline Map Manuscript      1:10,000 scale  
T-8745 S/2 Shoreline Map Manuscript      1:10,000 scale

The topographic manuscript was compiled in part from reductions of the two shoreline surveys which preceded compilation at 1:20,000 scale.

The three surveys have been combined into one descriptive report.

#.

2. The several mapping operations were:
  - (a) 9-lens aerial photography and laboratory processing, 1:10,000 - and 1:20,000 scale.
  - (b) The field surveys for both types of maps were carried on as a single mapping operation with the division between shoreline and quadrangle map manuscripts occurring during compilation. The field survey was composed of the following operations: identification of shoreline, clarification of photographic details, the establishment of horizontal and vertical control and planetable contouring.
  - (c) Compilation by graphic methods
    - (1) 1:10,000 shoreline manuscripts
    - (2) 1:20,000 reduction of shoreline manuscript and assembling into skeleton quadrangle
    - (3) Completion of 1:20,000 quadrangle by graphic methods.
  - (d) Preliminary office review of quadrangle and shoreline manuscripts.
  - (e) Field edit of quadrangle T-8745 .
  - (f) Final review of the manuscripts to insure completeness and conformance with specifications

(f) Cont'd

and to include corrections in accordance with the field edit survey of T-8745.

3. T-8745 and the adjoining quadrangles will be published and distributed by the Geological Survey, in accordance with an agreement of March 25, 1947. Shoreline map manuscripts T-8745 N/2 and T-8745 S/2 will not be published.
4. Data pertaining to T-8745 will be filed and may be obtained as follows:
  - (a) Filed in the Division of Photogrammetry
    - (1) Three map manuscripts, T-8745 scale 1:20,000, T-8745 N and S halves scale 1:10,000; field edit and final review corrections applied.
    - (2) Field edit sheet
  - (b) Filed in the Coast and Geodetic Survey Archives
    - (1) Combined Descriptive Report
    - (2) A cloth-backed lithographic print of T-8745 at 1:20,000 scale
    - (3) A 1:10,000 scale cloth-backed lithographic print of shoreline map T-8740 N/2 and S/2
    - (4) When T-8745 is published a cloth-backed copy of the published map, at a scale of 1:24,000, will be registered.

FIELD INSPECTION REPORT  
T-8745 (34° 37.5' / 76° 30' / 7.5')  
Project Ph-5(45)  
Sub-project B

Riley J. Sipe, Chief of Party

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

The field work on this quadrangle was completed by the following personnel.

<u>NAME AND TITLE</u>	<u>FIELD WORK</u>	<u>DATES</u>
E. L. Williams Engr. Aid	Horizontal Control Recovery, Shoreline and Interior Inspection, and Contours	1-23-47 to 5-20-47
W. M. Reynolds Engs. Aid	Horizontal Control Recovery, Shoreline Inspection	3-16-47 to 4-2-47
R. A. Horn Photogrammetrist	Contours, in that portion located on Core Banks	3-19-47 to 3-20-47
J. S. Howell Topo. Engr.	Shoreline Inspection	2-25-47 to 2-27-47

1. Description for the Area:

The land areas of this quadrangle are widely separated by the following bodies of water; Back Sound, Core Sound, The Straits, and North River. Harkers Island and Browns Island lie entirely in the quadrangle. A small portion of Core Banks; all of Shackleford Banks except the western end; Lennoxville Point and various points north of it, and the mainland from Marshallberg, N. C. to North River comprises the larger part of the land area. All The land area except Shackleford Banks is flat with elevations ranging from sea level to 14 feet. Harkers Island is thickly populated for its entire length along the Back Sound Shore. Marshallberg, in the NE corner of the quadrangle, is a large fishing village. There are two other and smaller villages in the quadrangle. The natives call them neighborhoods. They are Gloucester and The Straits. The chief industries are fishing and farming. Large areas are heavily wooded and pine timber is cut at irregular intervals.

There are heavily wooded ridges at the western end and along the northern half of Shackleford Banks. The southern half is thickly covered with sand dunes. Along the south edge of the woods the dunes are gradually moving north and burying the trees. The remainder of the bank is flat and grassy with dunes varying from 5 to 30 feet thickly covering the central portion.

Many sheep, horses, and cattle, owned by residents of Harkers Island, graze on the Banks. There is only one building, a summer cottage, near the middle of the island. In the woods at the western end there is a cemetery with about 30 old graves. A Coast Guard telephone line runs the length of the island. There are no roads on Shackleford Banks.

2. Completeness of Field Inspection:

The field inspection is felt to be complete and adequate. For further details of this phase refer to the appropriate paragraph below.

3. Interpretation of the Photographs:

No difficulty was encountered in the interpretation of the photographic detail. All phases of the field work on Shackleford Banks and Core Banks was completed on 9-lens 1/10,000 scale photographs. On the remainder of the quadrangle all phases of the field work were completed on 9-lens 1/20,000 scale photographs.

4. Horizontal Control:

All Horizontal Control Stations were searched for and a number sufficient for adequate compilation were recovered and identified.

5. Vertical Control:

Vertical control consisted of the recovery of existing bench marks and the establishment of supplemental control by the use of the Wye Level.

Five bench marks were searched for but not recovered.

Four bench marks were recovered.

A list of the bench marks established by an agency other than the U.S.C. & G.S. is as follows:

BENCH MARK	ESTABLISHING AGENCY	ORDER OF ACC.	ADJ.
DEY 1935	U.S.E.	3rd order	None
OFFICE 1935	U.S.E.	3rd order	None
<del>MARSHALL 1935</del>	<del>U.S.E.</del>	<del>3rd order</del> <i>Not identified on photos</i>	None

Eighty six fly elevation points were established for contouring by running ten level lines, totaling 35 miles. The greatest error of closure was 0.74 feet. All errors were prorated over the entire line in which the occurred.

6. Contours and Drainage:

On Shackleford Banks and on Core Banks all contouring was done in 9-lens 1/10,000 scale photographs.

On Core Banks the area is flat with very few sand dunes. On Shackleford Banks there are many dunes. In areas where the dunes are densely clustered, the most prominent dunes were contoured. Drainage on both banks varies with each storm and its resultant washouts.

All other land areas of the quadrangle were contoured on 9-lens 1/20,000 scale photographs.

Planetable methods were used in contouring. Drainage is confined to swampy inlets. On higher ground there is no definite pattern of streams but the swamps are broad and slope very gradually toward the marsh. The fields are ditched, sometimes quite deeply, but none of the ditches are over 15 feet wide. Therefore, the contour was merely ticked at the entrance to the ditch, and not carried back along the banks, so that the ditches would not be greatly exaggerated.

7. Mean High Water Line:

The mean high water line was located by measurements from identifiable points of detail where possible.

The average tide range for the Atlantic Ocean side is 3.5 feet on Core Banks.

No average range of tide was determined for any other portion of the quadrangle.

8. Low Water Line:

The low water line of the Atlantic Ocean was not determined.

The approximate low water line of all the other shore in the quadrangle was indicated by the standard symbol. On the photographs the area that bares at low water appears nearly as light as the dry sand in most cases.

9. Wharves and Shoreline Structures:

All wharves and shoreline structures are discernible on the photographs and have been inspected.

10. Details Offshore From Mean High Water Line:

All details offshore are visible and explained on the photographs.  
*Exception: Gall Island south of Harkers Is. See Review Report 66.*

11. Landmarks and Aids to Navigation:

All necessary information on Landmarks and Aids to Navigation was furnished on Forms #567, #524, and #24A. RIF

12. Hydrographic Control:

Topographic stations were located throughout the quadrangle in accordance with the instructions for this project;

Nine hydrographic signals were selected and pricked on the photographs in accordance with the project instructions.  
*On shoreline Ms. only.*

13. Landing Fields and Aeronautical Aids:

There are no landing fields or aeronautical aids within the limits of this quadrangle.

14. Roads:

The roads and trails were classified according to Photogrammetry Instructions No. 10 dated 4-14-47.

One road was under construction at the time of interior inspection, and was shown on the photographs.

15. Bridges:

One bridge exists in the quadrangle. The vertical clearance was measured with steel tape at Mean High Water. All distances check with the List Of Bridges over the Navigable Waters of the United States dated July 1, 1941.

16. Buildings and Structures:

Adequately shown on the 1/10,000 photographs.

17. Boundary Monuments and Lines:

There are no boundaries in this quadrangle.

*Top. boundaries shown from map submitted in June 1949 to H.O.  
Top. lines (all in Carteret Co., N.C.) are as of Feb. 7, 1949.*

18. Geographic Names:

Geographic names were investigated in the field and will be the subject of a special report by Mr. A. J. Wraight, Topographic Engineer.

Submitted:

May, 1947

*Elmer L. Williams*  
Elmer L. Williams  
Engr. Aid

Approved:  
May, 1947

*Riley L. Sipe*  
Riley L. Sipe  
Chief Of Party

MAP T. 8745(S/2)

PROJECT NO. Ph-5(45)

SCALE OF MAP 1: 10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR $\psi$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	
<del>Lewis, 1933</del>	<del>G.P.s. P.453</del>	<del>N.A. 1927</del>	<del>34 41</del>	<del>55.650</del>	<del>Destroyed (field edit)</del>	<del>1774.8</del>	<del>(134.1)</del>	
			76 34	55.108	<i>R.M. No. 1 Computed</i>	1402.6	(124.4)	
<del>North River, Bn., 1933</del>	<del>P.470</del>	<del>"</del>	<del>34 42</del>	<del>46.128</del>	<del>Destroyed</del>	<del>1421.4</del>	<del>(827.5)</del>	
			76 35	24.850	<i>(field edit)</i>	632.4	(894.5)	
Taylor's Cr. E. Bn., 1933	P.452	"	34 42	11.063		340.9	(1508.0)	
			76 37	08.561		217.9	(1309.0)	
			34 42	42.207		1319.1	( 529.8)	
Mouth, 1913	P.457	"	76 32	40.665		1034.8	( 492.0)	
			34 43	43.155		1329.8	( 519.1)	
Steep, 1913	P.460	"	76 37	20.934		532.6	( 993.9)	
			34 40	57.984	<i>Destroyed</i>	1786.7	( 62.2)	
<del>Shell, 1908</del>	<del>P.459</del>	<del>"</del>	<del>76 31</del>	<del>31.605</del>		<del>804.8</del>	<del>(722.8)</del>	
			34 39	06.519		200.9	(1647.9)	
Jack, 1933	P.407	"	76 32	58.470		1488.9	( 39.0)	
Cape Lookout N.W. Radio Tower, 1913	P.464	"	34 38	00.45		13.9	(1834.9)	<i>T-8878</i>
			76 31	56.69		1444.0	( 84.3)	
Cape Lookout N.E. Radio Tower, 1913	P.465	"	34 38	06.030		185.8	(1663.0)	<i>T-8818</i>
			76 30	56.551		1440.4	( 87.9)	
			34 40	17.759		547.2	(1301.7)	
Bull, 1913	P.453	"	76 35	20.864		531.2	(996.3)	
			34 40	42.283		1302.9	(546.0)	
Back Sound Bn., 1933	P.472	"	76 36	45.527		1159.0	(368.4)	
			34 40	59.079	<i>Destroyed</i>	1820.5	( 28.4)	
<del>Sam, 1933</del>	<del>P.407</del>	<del>"</del>	<del>76 31</del>	<del>33.722</del>	<del>(field edit)</del>	<del>858.4</del>	<del>(668.9)</del>	

1 FT. = 3048008 METERS

COMPUTED BY: W.H. Shearouse

DATE 4 April, 1947

CHECKED BY: M.M. Slawney

DATE 10 July 1947

M-2388-12



MAP T. 8745(N/2) PROJECT NO. Ph-5(45)B SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
LOST, 1913	B.Ps. P.456	N.A. 1927	34 43 16.932 76 31 32.412	Destroyed (field edit)		494.0 (1354.9) 824.7 (701.9)	
Marshallburg Baptist Ch. Spire 1913	" P.463	"	34 43 41.752 76 30 57.405			1286.6 ( 562.3) 1460.5 ( 66.0)	
Harkers Is. W. Ch. Spire. (S. Meth. Ch.), 1933	" P.470	"	34 41 43.073 76 33 42.141			1327.3 ( 521.6) 1072.6 ( 454.5)	
1933			34 41 27.566			849.4 ( 999.5)	
The Lumps Bn.,	"	"	76 34 19.986			508.7 (1018.5)	
Hark, 1913	G.Ps. P.453	"	34 42 47.320 76 35 12.437	Destroyed (field edit)		1458.1 ( 398.8) 316.5 (1210.3)	
Ward, 1913	P.460	"	34 44 55.982 76 35 20.284			1725.1 (123.8) 515.9 (1010.2)	
Beacon at N. Ent. to Steep Channel 1927	P.470	"	34 44 33.589 76 36 31.261			1035.0 ( 813.9) 795.2 ( 731.0)	
Fish, 1913	P.453	"	34 42 29.397 76 36 58.860			905.8 ( 943.1) 1497.9 ( 29.0)	
Middle, 1933	P.453	"	34 41 17.408 76 36 46.789			536.4 (1312.5) 1191.0 ( 336.2)	
Gaskill, 1933	P.601	"	34 43 20.520 76 34 08.668			632.3 (1216.6) 220.5 (1306.1)	
Marshallberg Ch. Spire, 1933	P.411	"	34 43 27.00			832.0 (1016.9)	
Harkers Is. E. Ch. Spire (N. Meth. Ch.) 1933	P.470	"	76 31 03.87 34 41 42.313 76 33 33.518	Destroyed (field edit)		98.5 (1428.1) 1303.8 ( 545.1) 853.1 (874.0)	

SCALE FACTOR

SCALE OF MAP 1:10,000.

PROJECT NO.....PH-5(15)B.

MAP T-8745 (S/2)

COMPILATION REPORT  
TO ACCOMPANY  
TOPOGRAPHIC MANUSCRIPT T-8745

26 AND 27. CONTROL AND RADIAL PLOT:

A special report was prepared and submitted to the Washington Office by E.C. Andrews and R.J. Pate on 20 May, 1948. (See Shoreline Survey Report, item 26 and 27.) *In Ph 5 (45) General Files, Div. of Phgtry.*

An extra copy of the list of control Form M-2388-12 is included with this report to be incorporated with the compilation report of shoreline sheet.

28. DELINEATION:

The topographic manuscript was traced from a reduction of the 1:10,000-scale shoreline manuscript. The photographs used were of fair scale, clear, and easy to interpret.

29. SUPPLEMENTAL DATA:

None were used.

30. MEAN HIGH-WATER LINE:

The MHW line was changed in a few places in disagreement with the shoreline manuscript. Such changes were made as the result of the 1:20,000-scale photographs being much clearer than the 1:10,000 used in the compilation of the shoreline sheet.

The places were noted on the discrepancy overlay in order that the two surveys may be put in a greement by the Washington Office. *AK.*

See Shoreline Survey Report, item 31.

31. LOW-WATER AND SHOAL LINES:

The ~~LWL~~ and shoal lines were not put on the topographic manuscript since they are on the shoreline manuscript.

See Shoreline Survey Report, item 31.

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE:

There is a wreck shown on Nautical Chart 420 at the southeast end of Shackleford Banks which the field inspector neither recovered nor deleted. *Now gone.* RIF

Also see Shoreline Survey Report, item 32.

34. LANDMARKS AND AIDS TO NAVIGATION:

See Shoreline Survey Report, item 34.

35. HYDROGRAPHIC CONTROL:

The hydrographic stations were not put on the topographic manuscript because they are on the shoreline manuscript.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

None.

37. POLITICAL BOUNDARIES:

No political boundary report has been received by this office as of 19 July, 1948. *Top. lines are shown as of Feb. 7, 1949 from map submitted after field edit. from Cartaret Co. authorities.* RIF

38. GEOGRAPHIC NAMES:

All geographic names furnished by the Washington Office have been shown on this map manuscript. *See approved list of Geo. Names attached to this Desc. Rep't.*

39. TIDE CURVE:

Because the shoreline was taken from the shoreline survey, it is believed that a tide curve for this manuscript is not necessary.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

There are no topographic maps available which cover this area.

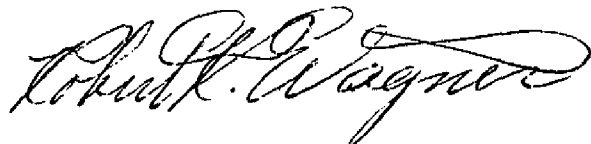
T-8045 1/20,000 Planimetric Maps 1944-5 } No field inspection.  
T-5574 1/20,000 } Not published  
For nautical chart construction only.

*This survey supersedes the above maps in all respects for charting purposes.*

45. COMPARISON WITH NAUTICAL CHARTS:

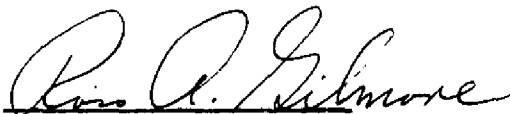
See Shoreline Survey Report, item 45.

Respectfully submitted,



R. R. Wagner,  
Photogrammetric Aid

Approved and Forwarded:



Ross A. Gilmore  
Lieut. Comdr. USC&GS  
Chief of Party.

# DATA RECORD

T - 8745

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

Quadrangle Name (IV): Shoreline Survey  
N/2 and S/2

Field Office (II): Morehead City, N.C.

Chief of Party: Lt. Comdr. R. J. Sipe

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: Lt. Comdr. G.E. Morris, Jr.

Instructions dated (II) (III): Undated  
Field supplement 1, 11 Dec. 1946

Copy filed in Division of  
Photogrammetry (IV)  
*General Files.*

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

July 30, 1948

August 6, 1948

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): *M.H.W.*

Mean sea level except as follows:  
Elevations shown as (25) refer to mean high water  
Elevations shown as (5) refer to sounding datum  
i.e., mean low water or mean lower low water

Reference Station (III): JACK, 1933

Lat.: S/2

Long.: 76° 32' 58.470(1488.9m)

Adjusted

34° 39' 06.519 (200.9m)

76° 34' 08.668(220.5m)

Unadjusted

N/2 Gaskill, 1933 34° 43' 20.520 (632.3m)

Plane Coordinates (IV): *North Carolina State Grid.* State: Zone:

Y=

X=

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

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

STATISTICS (III)

Land Area (Sq. Statute Miles): 16.5

Shoreline (More than 200 meters to opposite shore): 62 statute miles

Shoreline (Less than 200 meters to opposite shore): 6.5 " "

Number of Recoverable Topographic Stations established: 38

Number of Temporary Hydrographic Stations located by radial plot: Nine

Leveling (to control contours) - miles:

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:

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16119	4-7-46	9:35	1:10,000	1:15 ft.
16120	"	9:40	"	1.2
16124	"	9:44	"	1.2
16125	"	9:45	"	1.25
16126	"	9:46	"	1.25
16172	"	11:05	"	1.9
16169	"	11:04	"	1.9
16170	"	11:04	"	1.9
16171	"	11:04	"	1.9
16173	"	11:09	"	1.9
16174	"	11:09	"	1.9
16175	"	11:09	"	1.9

Tide from (III): Reference Hampton Roads

Substitute Station Beaufort

Mean Range: 2.5 Spring Range: 3.0  
3.5 Atlantic Ocean side

Camera:(Kind or source) U.S.C. & G.S., nine-lens 8-1/4" focal length

Field Inspection by: Williams, Howell, Horn & Reynolds date: Jan. 1947

Field Edit by: Elgan Jenkins Date: 15 Apr. 1949

Date of Mean High-Water Line Location (III): 25 to 27 February, 1947

Projection and Grids ruled by (III) T.L.J. Wash. Office dated: 22 Aug. 1947

" " " checked by: " " " dated: 22 Aug. 1947

Control plotted by: C.H. Baldwin date: Sept. 1947

Control checked by: J.A. Giles, M.M.Slavney date: Sept. 1947

R. Dossett

Radial Plot by: M.M. Slavney date: Sept. 1947

Detailed by: S/2 R. Dossett Oct-Nov. 1947

N/2 R.R. Wagner

date: Oct.-Nov.-Dec. 1947

Reviewed in compilation office by: J.A. Giles date: Dec. 1947

Elevations on Field Edit Sheet

Checked by: S/2 J.A. Giles date: July 1948



COMPILATION REPORT  
TO ACCOMPANY  
SHORELINE MANUSCRIPT T-8745 N/2 and S/2

26 AND 27. CONTROL AND RADIAL PLOT:

A special report was prepared and submitted to the Washington Office by Milton M. Slavney, Photogrammetric Engineer, on 17 November, 1947.  
*In Ph 5(45) General files, Div. of Hydrog.*

Triangulation station LEWIS, 1933 is lost; but, the station was plotted on the manuscript so that reference mark No. 2 could be used as control. *RM 1, 1933 has been shown as the  $\Delta$ .*

Triangulation station MOUTH, 1913 was plotted on the manuscript. No form No. 526 was submitted by the field party and it is not known if the station is still in existence.

28. DELINEATION:

The nine lens photographs used for this manuscript were of poor scale, which made it necessary to cut-in more detail points than usual. The field inspection was sufficient.

29. SUPPLEMENTAL DATA:

None was used.

30. MEAN HIGH-WATER LINE:

The recovery of the mean high-water line was sketchy, as a whole. At approximately Latitude  $34^{\circ} 44' 30''$  and Longitude  $76^{\circ} 35' 15''$  the field inspector outlined mud areas as being inside the mean high-water line. On the manuscript the compiler drafted the mean high-water line along the inside limits of the mud and showed the outside with the mean low-water line symbol.

At Latitude  $34^{\circ} 44' 00''$  and Longitude  $76^{\circ} 35' 00''$  the field inspection of the mean high-water line was not clear. It is recommended that these areas be called to the attention of the hydrographer. They will be noted for the field editor when the topographic manuscript of the area is compiled. *Refer to discussion of MAWL in Field Edit Report.*



31. LOW-WATER AND SHOAL LINES:

Attention is called to an area delineated on this shoreline manuscript as mean low water. This area which lies at approximate latitude  $34^{\circ} 40'$  and Longitude  $76^{\circ} 30' 2''$  appears on the nautical chart No. 420 as shoreline.<sup>3</sup> Since there was no field inspection of this area it is recommended that it be called to the attention of the hydrographer. ~~It will also be noted on the discrepancy overlay at the time the topographic quadrangle is drafted.~~

*Approx. L.W.L. appears very shallow in photos - not apparent shoreline, however.* R.F.

The compiler has shown only those areas of shoal clearly defined on the photographs and their limits are approximate.

The field inspector labeled some areas as being encompassed by a mean low water line that photographically appear to be shoal areas. These areas should be investigated by the hydrographer.

*A distinction as near as possible has been made between Approx. LW and shoal areas.* R.F.

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE:

*Exception: Gull Is. south of Harkers Is. - See Review Report 66.* R.F.

Two wrecks were recovered by the field inspector and they were shown on the manuscript. There is a wreck shown on chart 420 (having a print date of 20 August, 1946) at approximate latitude  $34^{\circ} 44' 44''$  and Longitude  $76^{\circ} 36' 30''$  which the field inspector did not recover.

*Field edit verified this position. - See 10 (field edit report)*

33. WHARVES AND SHORELINE STRUCTURES:

All piers and bulkheads have been shown on the shoreline manuscript.

34. LANDMARKS AND AIDS TO NAVIGATION:

Only one height was given for the landmarks that fall on this manuscript. *Field edit supplied hts. above ground.* R.F.

All cuts from photograph point "A" were wild and could not be used. Since all lights, which had cuts coming from photograph point "A" had three or more cuts from other points, photograph point "A" was not used.

BARDEN INLET

Attention is called to Leekcut Light BN. 16. One of the theodolite cuts as submitted by the field party is incorrect. It was impossible to get a three point intersection sufficiently close to prove the geographic position of this beacon. The two-cut position chosen was that which a study of the charts indicated as being the correct one. It is believed that the cut from occupied position "Leo" is incorrect. The position of this beacon should be checked at the time of the topographic quadrangle field edit. *Position OK* R.F.

Form 567 will be submitted with the topographic quadrangles compilation report.



35. HYDROGRAPHIC CONTROL:

Nine hydrographic stations were established by the field inspector and are shown on the manuscript. These are in addition to the recoverable topographic stations established at a maximum of 1 mile intervals.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids within the limits of this manuscript.

37. POLITICAL BOUNDARIES:

No information on political boundaries has been received by this office as of 5 January 1948. *Twp. lines are shown on 1:20,000 Quad 25 of Feb. 7, 1949.*

38. GEOGRAPHIC NAMES:

All geographic names have been shown on this manuscript that were furnished by the Washington Office. *See approved list of Geo. Names attached to this Desc' Rpt.*

39. TIDE CURVE:

A tide curve was drawn for the photographs covering this manuscript as the stage of tide was not given by the field inspector. It will be forwarded with the report for topographic quadrangle No. T-8745.

40. TELEPHONE LINE ACROSS "THE STRAITS".

The field inspector did not give the overhead clearance of the telephone line across the channel or state whether it is submarine at that point. It is recommended that this be cleared up at the time of the field edit. *Field edit gives data as submarine for both.*  
R.J.F.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

There are no topographic maps available which covers this area.  
*See review report.*

45. COMPARISON WITH NAUTICAL CHARTS:


Comparison was made with nautical charts Nos. 420 and 421 dated *out of print.*  
29 August, 1946 and 26 October, 1946 respectively. R.J.F.

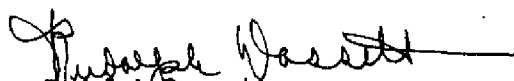
The only changes which were noted are mentioned in this report, item No. 30. The remainder of the manuscript seems to be in agreement with the nautical chart.

Attention is called to a wreck at the southeast end of Shackle-<sup>Gone</sup>ford Banks on the Lookout Bight Side. This is shown on chart No. 421 but was not recovered by the field inspector. At this same point a large salt, sand flat is shown on the map manuscript which appears as open water outside of the mean high-water line on the nautical charts. Also, see item 32 of this report.


The map manuscript should supersede the present charted information.

Respectfully submitted,

  
R. R. Wagner,  
Photogrammetric Aid

  
Rudolph Dossett,  
Cartographer, (Photo.)

Approved and Forwarded:

  
George E. Morris, Jr.  
Chief of Party.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS TO NAVIGATION FOR CHARTS

TO BE CHARTED  
~~NOT RECOMMENDED~~

STRIKE OUT ONE

Morehead City, N.C.

21 March

1947

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks, be charted on ~~the~~ the charts indicated.

The positions given have been checked after listing by

Robert R. Wagner, Tampa Photogrammetric Office  
Photo. Aid

Riley J. Sipe Chief of Party.

STATE	NORTH CAROLINA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						DATE OF LOCATION	METHOD OF LOCATION AND SURVEY NO.	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE		LONGITUDE		D.M. METERS	D.P. METERS						
					°	'	°	'								
		TAYLORS CREEK DAY BEACON NO. 1			34 42	04 2	76 37	76 37	100	100	Theod.	1947	X		1233 421	420
		CORE SOUND LIGHT 59 (N/M 45, 1948)			34 42	340.9	76 37	217.9	88	N.A. 1927	Tri.	"	X		1233 421	420
		CORE SOUND LIGHT 58 (N/M 21, May 21, 1949)			34 42	233	76 36	1084		"	Land. Plot	1933	X		1233 421	420
		CORE SOUND LIGHT 50 56			34 42	435	76 35	1405		"	"	1947	X		1233 421	420
		CORE SOUND LIGHT 42 55			34 42	1314	76 35	600		"	"	1947	X		1233 421	420
		CORE SOUND LIGHT 48 Discontinued (2249 Light list)			34 42	1564	76 35	470		"	"	1947	X		1233 421	420
		CORE SOUND LIGHT 47			34 43	72	76 33	303		"	"	1947	X		421	1233
		CORE SOUND LIGHT 46			34 42	1759	76 32	948		"	"	1947	X		421	1233
		CORE SOUND LIGHT 44			34 43	386	76 31	990		"	"	1947	X		421	1233
		CORE SOUND LIGHT 42A			34 42	1605	76 30	1409		"	Theod.	1947	X		421	1233
		CORE SOUND DAY BEACON 42			34 42	1590	76 30	1036		"	"	1947	X		421	1233
		BULKHEAD LIGHT Channel	En at N. entrance to steep		34 44	1,035.0	76 36	795.2		"	TRI.	1927	X		420	1233
		SHELL POINT DAY BEACON			34 40	1,428.4	76 31	635.6		"	T-8745	1933	X		421	1233
		CORE SOUND LT. 52 (No position)			34 42	?	76 35	?		"	"		X			1233

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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR CHARTED MARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Morehead City, N.C.

21 March

19 47

I recommend that the following objects which have ~~(transferred)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(transferred)~~ the charts indicated.

The positions given have been checked after listing by Rudolph Dossett, Tampa Photogrammetric Office

Riley J. Sipe												Chief of Party.		
STATE		NORTH CAROLINA		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE			DATUM						
			° ' "	D. M. METERS	° ' "	D. P. METERS								
THE LUMPS LIGHT			34 41	849.4	76 34	508.7	NA	1927	TRI	1933	X		421	1233 420
BACK SOUND CHANNEL LIGHT			34 47	1244	76 35	872	"	"	Rad. Plot T-8745	1947	X		421	" "
BACK SOUND LIGHT			34 40	1302	76 36	1157	"	"	"	1947	X		1233	"
* LOOKOUT BIGHT CHANNEL LIGHT 29 <sup>35</sup>			34 40	1284	76 31	899	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL DAY BEACON 28 <sup>34</sup>			34 40	867	76 31	769	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL LIGHT 26 <sup>32</sup>			34 40	406	76 31	677	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL DAY BEACON 24 <sup>30 ?</sup>			34 39	1744	76 31	573	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL LIGHT 22 <sup>24</sup>			34 39	1217	76 31	466	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL DAY BEACON 20 <sup>22</sup>			34 39	761	76 31	376	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL LIGHT 18 <sup>20</sup>			34 39	302	76 31	284	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL DAY BEACON 16 <sup>20</sup>			34 38	1590	76 31	167	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL LIGHT 14			34 38	1017	76 31	58	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL DAY BEACON 12			34 38	751	76 31	210	"	"	"	1947	X		"	"
* LOOKOUT BIGHT CHANNEL LIGHT 11			34 38	465	76 31	578	"	"	"	1947	X		"	"

Riley J. Sipe Chief of Party.

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.







DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE CHARTED~~

STRIKE OUT ONE

Morehead City, N.C. 21 March 1947

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks, be charted on ~~charts~~ the charts indicated.

The positions given have been checked after listing by

Rudolph Dossett, Tampa Photogrammetric Office

Riley J. Sipe												Chief of Party		
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED				
				LATITUDE		LONGITUDE				DATUM	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	
				°	'	°	'							
NORTH CAROLINA	* LOOKOUT LIGHT CHANNEL DAY BUOY 8			34 38	137	76 31	578	NA 1927	Rad. Plot T-8745	1947	x	1233		
	* LOOKOUT LIGHT CHANNEL LIGHT 6 7			34 37	1490	76 31	936	"	"	1947	x	1233		

Chief of Party.

Riley J. Sipe

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.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

**STRIKE OUT ONE**

# NOT LOCATING A LINE FOR CHARTS

**Morehead City, N. C.**

~~21 March, 1947~~

I recommend that the following objects which have ~~(transacted)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(the transacted survey)~~ the charts indicated.

The positions given have been checked after listing by

**E. L. Williams, Engr. Aid**

Chief of Party:

**Riley J. Sizoo**

[illegible]

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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**STRIKE OUT ONE**

**TO BE DELETED**

Washington, W. C.

**20 Apr 11**

6761

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be ~~deleted from~~ the charts indicated.

The positions given have been checked after listing by William A. Rouse  
Tampa Photo. office.

Ed. Lee Correy

**E. R. McCarthy**

Chief of Party.

[illegible]

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.

**STRIKE OUT ONE**

**Morehead City, N. C.**

~~20 March, 1947~~

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks, be ~~deleted~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by

**W. L. Allen, Insp. Aid**

Chief of Party.

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.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## OBSTRUCTION

# MONITORING AND EVALUATION MATERIALS FOR CHARTS

~~DO NOT EXCEED~~ } STRIKE OUT ONE  
TO BE DELETED

Tampa Photogrammetric Office  
June 9, 1949

I recommend that the following objects which have ~~(inserted from)~~ been inspected from seaward to determine their value as landmarks be ~~checked and~~ ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by R. Dossett  
Tampa Photogrammetric Office

Ross A. Gilmore

**Chief of Party.**

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating*

FIELD EDIT REPORT  
Quadrangle T-8745  
34-37.5/76-30.0/7.5  
Project Ph 5(45)

E. R. McCarthy, Chief of Party

The field edit of this quadrangle was accomplished during the month of March, 1949 by Elgan T. Jenkins, Cartographer. All work was performed in accordance with Field Edit Instructions, dated 24 August, 1945 and supplement 1, dated 4 February, 1946.

46 METHODS:

Features such as roads, structures, drainage and contours were checked by visual observation supplemented as necessary by plane table methods.

Changes, except as otherwise noted were made directly on the field edit sheet by plane table methods or by measurements from topographic features.

Discrepancies, where not settled directly on the discrepancy print, are discussed in the body of this report.

47 ADEQUACY OF THE COMPILATION:

The compilation was adequate considering the extent of the field inspection. Most of the corrections shown on the field edit sheet were the results of natural and artificial changes which occurred subsequent to the date of the field inspection.

48 ACCURACY TESTS:

No accuracy test was specified for this quadrangle. It is believed to comply with the horizontal and vertical accuracy specifications. Numerous distributed visual observations indicate that the contour expression is satisfactory.

4 HORIZONTAL CONTROL:

Forms 526 are being submitted to reconcile questions on the horizontal control. Two stations were found to have been destroyed since the time of field inspection. Two new stations, "HARK 2, 1949" and "SAM 2, 1949" were established by the field editor to replace the stations that were in danger of destruction.

The shore line within the limits of this quadrangle is being eroded by high tides and strong winds. Many of the existing stations may be destroyed in a matter of a comparatively few years.



7 MEAN HIGH WATER LINE:

See shoreline survey report, item 30.

The delineation of the MHWL by the Field Inspector was not quite adequate for some areas. However, the flat foreshore, the composition of the land, the high rate of erosion, and the complexity of the shore outline combine to make it impractical to delineate it with any high degree of accuracy. It should be realized that a two inch rise or fall in the tide could, in some instances, vary the location of the MHWL as much as 200'. The MHWL as of the date of field edit is shown on the Photographs.

Attention is called to a spoil bank in 34-43.1/76-35.0. This bank is now approximately three feet above the MHWL but will probably eventually disappear. *Referred to as sand island on field edit sheet.*

10 DETAILS OFFSHORE FROM THE HIGH WATERLINE:

The ribs and keel of a wooden vessel lie on the beach above MHWL in 34-39.7/76-34.9. This is probably the wreck noted on the discrepancy print. Since it is apparently no longer charted no action is recommended. (See Discrepancy Print)✓

A stranded wreck symbol appears in 34-37.8/76-32.0 (See section Shackleford Banks) on charts 420, 1233 and 1234. A visual inspection reveals no sign of a wreck. Local fisherman who use drag nets in the area daily state the bottom is clear. It is recommended that this wreck be deleted from all charts. (See item 32 Topographic Survey).✓

A charted sunken wreck symbol appears on Charts 420, 1233 and 1234 in 34-44.7/76-36.5. Local information disclosed that the remains of a wooden barge lie at the channels edge in this location. (See item 32 of the Shoreline Survey Report). ✓

18 GEOGRAPHIC NAMES (note 10-27-44: 814: 2A)

During the time of field edit several geographic name discrepancies came to light. The small creek 34-43.5/76-33.3 has a disputed name. Most of the residents of Harkers Island know it as "Brick Yard"; while residents of Straits, Gloucester, and Marshalberg that were contacted know it as "Whitehurst". The name "Whitehurst" is recommended as it is in local use. ✓

The two bays shown as "WESTMOUTH" and "EASTMOUTH BAY" in 34-42/76-32.5 are known locally as "WEST BAY" and "EAST BAY". It is recommended that they be shown as such. *No* ✓

It is recommended that the names "BUZZARD HILL" and "HORSE PLAINS" be deleted as they are not in local use. ✓



The small island of 34-39.7/76-34.1 is better known as "COW ISLAND" rather than "BELL ISLAND". It is recommended that the name be changed to "COW ISLAND". ✓

The road in 34.44.5/76-33.5 shown as the "OTWAY ROAD" is widely known as "HARKERS ISLAND". "HARKERS ISLAND ROAD" is recommended for mapping. ✓

The road in 34-44.5/76-34.5 shown as "HARKERS ISLAND" is known by residents as "CROW HILL". It is recommended the name "CROW HILL" be shown on the map. ✓

These names which were all checked with reliable local residents are in constant usage. A list of names of local residents is shown on the field edit sheet as references.

MISCELLANEOUS:

The copy of the map manuscript was examined for errors by Mr. J. A. Guthrie. Mr. Guthrie has been a resident of Harkers Island for 60 years; 25 years of which was spent in the Coast Guard. Mr. Guthrie could find no errors in the corrected copy.

Submitted:  
April 15, 1949

*Elgan T. Jenkins*  
Elgan T. Jenkins  
Cartographer

Approved  
20 April, 1949

*E. R. McCarthy*  
E. R. McCarthy  
Chief of Party

# GEOGRAPHIC NAMES

Survey No. 8745

GEOGRAPHIC NAMES											
Survey No. 8745											
Name on Survey											
	A	B	C	D	E	F	G	H	K		
Lookout Bight	✓										1
Barden Inlet	✓	USB&N - Barden Inlet									2
Lighthouse Bay	✓										3
The Ditch	✓										4
Blinds Hammock	✓										5
Blinds Hammock Bay	✓										6
Diamond City Hills	✓										7
Great Marsh Island	✓										8
Whitehurst Island	✓										9
Sheep Island	✓										10
Morgan Island	✓										11
Cedar Hammock	✓										12
Lighthouse Channel	✓										13 X
Baregrass Island	✓		Stet.								14
Horse Island	✓										15
Gunning Hammock Island	✓										16
Little Deep Marsh Island	✓										17
Cockle Marsh Island	✓										18
Conch Shoal Marsh	✓										19
Bunch of Hair	✓										20
Johnsons Bay	✓										21
Buzzard Hill											22 ?
White Shoal Marsh	✓										23
Cow Island	✓										24
Horse Point	✓										25
Hard Working Lumps	✓										26
Horse Plains											27 ?

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# GEOGRAPHIC NAMES

Survey No. 8745

GEOGRAPHIC NAMES											
Survey No. 8745											

## GEOGRAPHIC NAMES

Survey No. 8745

GEOGRAPHIC NAMES										
Survey No. 8745										
Name on Survey										
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
A	B	C	D	E	F	G	H	K		
North River Thorofare ✓										1
North River Marsh ✓										2
Cheney Bay ✓										3
North River ✓										4
Gibbs Creek ✓										5
Newby Creek ✓										6
Gull Island ✓										7
Simons Island ✓										8
Porters Island ✓										9
Horse Marsh ✓										10
Goose Bay ✓										11
Black Hammock Point ✓										12
Levis Shore ✓										13
Harkers Island Bridge ✓										14 X
Crow Hill Road ✓										15
Straits Road ✓										16
Harkers Island Road. ✓										17
Core Sound ✓										18
Straits ✓										19
The Straits ✓										20
Straits Channel ✓										21 X
Gaskill Point ✓										22
Gaskill Idg. ✓										23
Chadwick Creek ✓										24
Crab Point ✓										25
Whitehurst Creek ✓										26
Gloucester ✓										27

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# GEOGRAPHIC NAMES

Survey No.

8745

Name on Survey

		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K		
<u>Shooting Hammock</u>	✓									1
<u>Bald Hill</u>	✓									2
<u>Bald Hill Bay</u>	✓									3
<u>Jacks Island</u>	✓									4
<u>Cabs Creek</u>	✓									5
<u>Sam Winter Lump</u>	✓									6
<u>Bottle Run Point</u>	✓									7
<u>Bottle Run Slue</u>	✓	Not shown on $\frac{1}{2}$ 1:10,000								8 ✗
<u>Back Sound</u>	✓									9
<u>Harkers Island Channel</u>	✓									10 ✗
<u>Whale Creek</u>	✓									11
<u>High Hill</u>	✓									12
<u>Big Shoal Marsh</u>	✓									13
<u>Shackleford Slue</u>	✓									14
<u>Turtle Reef</u>	✓									15 ✗
<u>Turtle Reef Slue</u>	✓									16 ✗
<u>Gibble Shoal</u>	✓									17 ✗
<u>Gibble Shoal Slue</u>	✓									18 ✗
<u>Middle Marshes</u>	✓									19
<u>North River Channel</u>	✓									20
<u>Lenoxville Point</u>	✓									21
<u>Taylor Creek</u>	✓									22
<u>The Black Cat(locality)</u>	✓									23
<u>Steep Point</u>	✓									24
<u>Steep Point Channel</u>	✓									25
<u>Shep Shoal</u>	✓									26 ✗
<u>Sheephead Marsh</u>	✓									27

# GEOGRAPHIC NAMES

Survey No. 8745

Name on Survey	Source											
	A	B	C	D	E	F	G	H	K			
Core Banks ✓											1	
Atlantic Ocean * ✓											2	
North Carolina* ✓			(for title)								3	
Harkers Island ✓			(both island and town on it should be named)								4	
Henry Jones Creek ✓											5	
Sheep Island Slue ✓											6	
											7	
											8	
											9	
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											26	
											27	

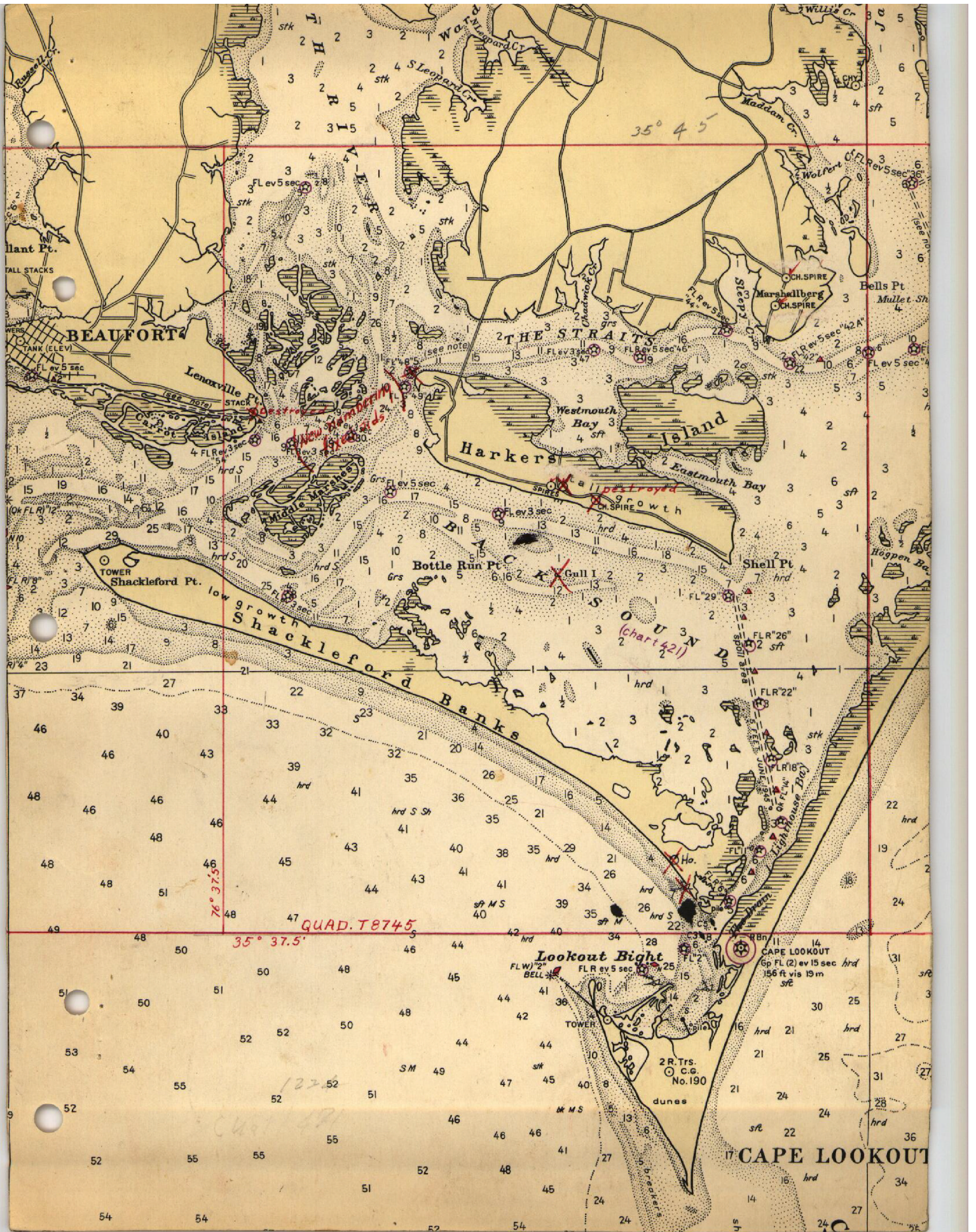
Underlined names approved

9-30-18

A.J.W.

A.J.W.







# Review Report T-8745

30 November 1949

## 62. Comparison with Registered Topographic Surveys:

T-3387	1:20,000	1913	Planetable planimetric
T-3394	1:20,000	1913	" "
T-5574	1:20,000	1933	Air photo compilation
T-6841 b	1:10,000	1943	Planetable graphic control
T-8045	1:20,000	1945	Air photo compilation

The area covered by this survey <sup>(T-8745)</sup> was compiled on maps T-5574 and T-8045 from aerial photographs, the latter entirely without field inspection information for use in nautical chart construction only, and was not published. These manuscripts are in good agreement with this survey, but are necessarily incomplete. The graphic control sheet T-6841b has shoreline and temporary hydrographic signal sites located. However, a continual change in the shoreline has transpired, and differs as much as 40 m. inshore with that on T-8745 on <sup>the</sup> Atlantic Ocean side of Shackleford Banks. The new location on this survey supersedes T-6841b in all respects. None of the temporary hydrographic signal sites on T-6841b were used for T-8745.

This survey supersedes all previous work in the area for nautical charting and is complete in both planimetry and topography. The low water line is considered approximate, and a distinction has been made between shoal areas and features that bare at low water.

## 63. Comparison with Maps of Other Agencies:

None

## 64. Comparison with Contemporary Hydrographic Surveys:

None

## 65. Comparison with Nautical Charts:

420	1:40,000	8-8-49
1001	1:191,000	9- -43
1110	1:443,000	4-5-48

A section of old chart #421 is attached to this Descriptive Report which shows the main deletions from the chart which will affect chart #420. The deletion of the sand shoal and island of Gull Island south of Harkers Island is made as a result of information submitted on

Page 2  
Review Report T-8745

Form 526 for the recovery of triangulation station GULL, 1913. No image is discernible on the photographs. The recovery card states that the island has been washed away and only an oyster bar  $1\frac{1}{2}$  feet underwater remains. Changes of names and/or numbering of fixed aids have been made on the manuscript as per field edit, from the Notice to Mariners, and the 1949 Light List.

One fixed aid (Core Sound Lt. 52) was built after field edit and is not located by this survey.

66. Adequacy of Results and Future Surveys:

No horizontal or vertical accuracy tests were made for this survey.

Core Sound Lt. 48 off Harkers Pt. was torn down and Lt. 52 was built near it after the field edit work was finished in April 1949. No position is available for this fixed aid. But for this, the survey fulfills the project instructions and Bureau policy and complies with the National Standards of Accuracy.

It supersedes all other surveys of the area, for nautical charting purposes.

Reviewed by:

Roscoe J. French  
Roscoe J. French

Approved by:

S. V. Griffith  
Chief, Review Section B

H. Edmonston  
Chief, Nautical Chart Branch  
Division of Charts

BSJ

O. S. Reading  
Chief, Division of Photogrammetry

Adams

K. A. Curly

Chief, Div. of Coastal Surveys