

8739

Williston 15

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-8739

LOCALITY

State North Carolina

General locality Beaufort

Locality North River

1946-'49

CHIEF OF PARTY

R.J.Sipe, Chief of Field Party

R.A.Gilmore, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE June 15, 1950

8739

DATA RECORD

T- 8739

Quadrangle (II): *TOPOGRAPHIC*
Williston

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

Field Office: New Bern, N.C.

Chief of Party: Riley J. Sipe

Compilation Office: Tampa, Fla.

Chief of Party: Ross A. Gilmore

Instructions dated (II III): Undated

Copy filed in Descriptive
 Report No. T- (VI)

Div. of Photogr. files
Review Sec.

Completed survey received in office:

2-4-48

Reported to Nautical Chart Section:

2-12-48

Reviewed: *2-6-50*

Applied to chart No.

Date:

Redrafting Completed:

Registered: *3-2-50*

Published:

Compilation Scale: 1: 20,000

Published Scale: *1:24,000*

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

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

Reference Station (III): *SNIPSON*, 1933

Lat.: *34° 48' 01.507(46.4m)*

Long.: *76° 36' 08."310 (212.2m)*

~~Unadjusted~~

State Plane Coordinates (VI):

NORTH CAROLINA grid

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16019	5 April 1946		1: 20,000	See Shoreline
16020	5 April 1946		"	Survey Compilation
16239	5 April 1946		"	Report.
16025	5 April 1946	16:22		

Tide from (III): See Shoreline Survey Compilation Report

Mean Range: See Shoreline Report Spring Range: See Shoreline Survey Compilation Report.

Camera: (Kind or source) U.S. C. & G.S. 9-Lens 8 $\frac{1}{4}$ " focal length.

Field Inspection by: J.S.Howell and E.L. Williams date: 2/11/47 to 3/20/47
6/25/47 to 8/27/47

Field Edit by: *Elgan T. Jenkins* date: *1-15 April 1949*

Date of Mean High-Water Line Location (III): See Shoreline Survey Compilation Report.

March 1947

Projection and Grids ruled by (III) K.K. (Wash. Office) date: 19 Nov. 1947

" " " checked by: T.L. J. date: 19 Nov. 1947

Control plotted by: R.A. Reece date: 8 Dec. 1947

Control checked by: I.I. Saperstein date: 8 Dec. 1947

Radial Plot by: E.C. Andrews date: 8 April 1948
R.S. Pate 9 April 1948

Detailed by: W.W. Dawsey date: July-Aug. 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: " 1948

STATISTICS (III)

Land Area (Sq. Statute Miles): 54.2

Shoreline (More than 200 meters to opposite shore): See Shoreline Survey
Compilation Report.

Shoreline (Less than 200 meters to opposite shore): See Shoreline Survey
Compilation Report.

Number of Accessible Topographic Stations established: 12

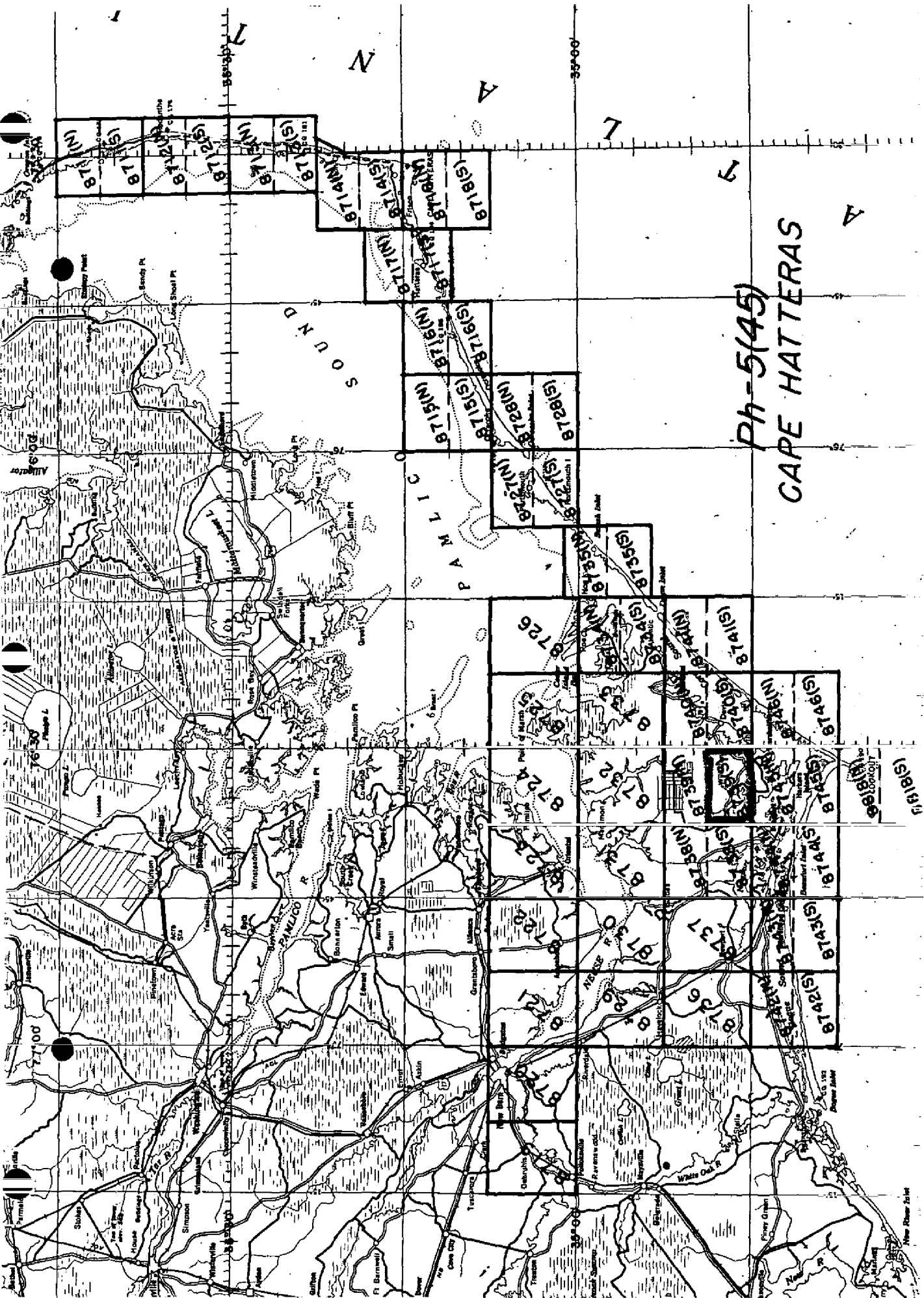
Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) -- miles: 7

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

New River Light

Summary Report to Accompany T-8739
(Topographic and Shoreline)

T-8739 is one of a series of 37 $7\frac{1}{2}$ minute quadrangles in Project Ph-5(1945) in North Carolina. It covers an area which includes the upper part of North River, the North River Bridge, Ward Creek, the upper part of Jarrett Bay and most of the area known as the Open Grounds.

T-8739 is composed of two separate map manuscripts; i.e., one standard $7\frac{1}{2}$ minute topographic quadrangle, 1:20,000 scale, and one shoreline (S/2) manuscript at 1:10,000 scale which is $3\text{-}3\frac{3}{4}$ minutes in latitude and $7\frac{1}{2}$ minutes in longitude.

The two Descriptive Reports, one covering the topographic map and the other the shoreline map, have been combined.

The several mapping operations were as follows:

- a) Nine-lens photography and laboratory processing, 1:20,000 scale and 1:10,000 scale.
- b) The field work included shoreline inspection, identification and establishment of horizontal and supplemental vertical control, planetable contouring, clarification of photographic detail, and geographic names investigation. All contouring was done on the 1:20,000 scale photographs, and all shoreline inspection and other pertinent notes were made on the 1:10,000 scale photographs.
- c) Compilation by graphic methods.

A reduction of the shoreline manuscript (S/2) which is limited to an alongshore zone approximately 200 meters wide was traced directly onto the 1:20,000 manuscript.

All contours and interior details were compiled from the 1:20,000 photographs directly.

- d) Preliminary office inspection of topographic manuscript.
- e) Field edit and completion.
- f) Final review of the manuscripts to ensure completeness and conformance with specifications and project instructions and to include additions and corrections from the field edit survey.
- g) Processing.

A 1:20,000 scale glass plate negative of the topographic manuscript will be prepared for transmittal to the Geological Survey.

T-8739 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 dated March 25, 1947.

Data pertaining to T-8739 will be filed and may be obtained as follows:

- a) Filed in the Division of Photogrammetry
 - 1. Two map manuscripts (originals); 1:20,000 scale (topo), and 1:10,000 scale (shoreline), field edit and final review corrections applied.
 - 2. Field edit sheet.
 - 3. Form 524, topographic stations descriptions (12)
- b) Filed in the Bureau Archives
 - 1. Combined descriptive reports (topo and shoreline)
 - 2. A cloth-backed lithographic print of T-8739 at 1:20,000 scale, (topo).
 - 3. A cloth-backed lithographic print of T-8739 at 1:10,000 scale (shoreline S/2).

When T-8739 (topographic) is published, a cloth backed copy of the printed map at 1:24,000 scale will be registered. The shoreline map manuscript will not be published.

FIELD INSPECTION REPORT
T-8739 (34° 45' / 76° 30')
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 & Title</u>	<u>Field Work</u>	<u>Dates</u>
M. A. Stewart Engr. Aid	Vertical Control	1/8/47-1/31/47
J. R. Smith Engr. Aid	Vertical Control	6/27/47 - 6/28/47
E. L. Williams Engr. Aid	Contours Interior Inspection	6/25/47 - 8/27/47 6/25/47 - 8/27/47
J. S. Howell Topo. Engr.	Shoreline Horizontal Control	2/11/47 - 3/20/47 2/7/47 - 2/10/47
R. A. Horn Photogram.	Shoreline	9/2/47 - 9/5/47

1. Description of the Area.

The major portion of the land area within the limits of this quadrangle lies approximately 9 miles northeast of Beaufort, North Carolina.

In the southwest corner of the quadrangle the North River has its headwaters. The southeastern limits of the quadrangle is fringed by Jarrett Bay.

The two principal settlements in the area are Smyrna and Williston, North Carolina. There is some farming done, but the occupation indulged in by the majority of the inhabitants is fishing.

U. S. Highway #70 is the main access road into the area.

A considerable amount of the land area in this quadrangle is referred to locally as the "Open Grounds." For the most part, this is a tangled mass of underbrush and briars, generally quite swampy. There are some stands of timber in the "Open Grounds" which would be of some value if it was more accessible.

2. Completeness of Field Inspection

It is felt that the field inspection is complete and adequate. All

pertinent data was delineated on the photographs.

3. Interpretation of the Photographs

Since photography was of a recent date no difficulty was encountered in the interpretation of the photographic detail.

4. Horizontal Control

All horizontal control within the quadrangle was searched for. Four stations were identified on the photographs for control of the radial plot.

5. Vertical Control

One third order level line was run in this quadrangle, along route #70, and bench marks were established about one per mile along this line. From these bench marks fly levels were run and spot elevations were established to be used in contouring. The maximum error of closure accepted, on the fly level lines, was 1 foot.

6. Contours and Drainage

Contouring was done on 9 lens, 1:20,000 scale photographs, by plane-table methods. The quadrangle overall has a continuous 5 foot contour with a few scattered and isolated 10 foot contours and a couple of depression 5' contours. The natural drainage in the quadrangle is easily identified on the photographs. In the northern section of the quadrangle the area is extremely flat and the natural drainage of the land has been augmented by man made drainage ditches.

7. Mean High Water Line

The mean high water line was inspected from a skiff, by walking the shoreline, and by observation from points of vantage. Both fast and apparent shoreline were encountered.

The tide range in this area is limited and fluctuates primarily with the wind rather than the normal tidal influence.

8. Low Water Line

The low water line was not delineated. Tide was at a high stage during the time the party was in the field in this area.

9. Wharves and Shoreline Structures

All wharves and shoreline structures not discernable on the photographs were delineated and appropriately labeled.

10. Detail Off-Shore from Mean High Water Line

Details noted off-shore from mean high water line consisted of duck

- T-8745
blinds, piles, remains of a marine railway, and a cattle fence. All these objects were located on the photographs.

11. Landmarks and Aids to Navigation

There is one landmark in this quadrangle named "CHIMNEY" on Chart 1233. It has been noted on the photograph, and reported on Form 567.

There are no aids to navigation within the limits of this quadrangle.

12. Hydrographic Control

*Landmark "HOUSE" was added during field edit. See 65.
Landmark "SPIRE" " " " Review. R.J.F. Review*
In accordance with the project instructions the existing horizontal control was supplemented by permanently marked Topographic Stations in order to have horizontal control at not more than one mile intervals. Natural objects were selected in lieu of setting disks wherever possible.

13. Landing Fields and Aeronautical Aids

There are no landing fields or aeronautical aids in this quadrangle.

14. Road Classification

All roads have been classified in accordance with Photogrammetry Instructions No.10, dated 4/14/47.

15. Bridges

There are two bridges over navigable waters in this quadrangle. The vertical and horizontal clearances were measured with a steel tape and checked with the "List of Bridges Over Navigable Waters in the United States."

16. Buildings and Structures

These subjects are adequately covered on the photographs.

17. Boundary Monuments and Lines

[?]
There are no Boundary Monuments or Lines in this quadrangle.

18. Geographic Names

*Twp. lines for Cartaret Co. N.C.
shown per map dated Feb 9, 1949
R.J.F.*
Geographic Names will be the subject of a special report by Mr. A. J. Wraight, Topographic Engr.

Approved:

Riley J. Sipe
Riley J. Sipe
Chief of Party

E. L. Williams
E. L. Williams
Engineering Aid
R. A. Horn
R. A. Horn
Photogrammetrist

SCALE FACTOR

FACTOR DISTANCE
FROM GRID OR PROJECTION LINE
IN METERS

FORWARD (BACK)

STIMPSON, 1933

C of E MON #24
1943

C of E MON #32,
1943

C of E MON #23,
1943

C of E MON #32,
1943

NORTH, 1913

DATE 10 July 1947

M - 2388-12

COMPILATION REPORT
TO ACCOMPANY
TOPOGRAPHIC MANUSCRIPT T-8739

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. *Filed in Div. Photogrammetry General Files*

28. DELINEATION:

This Topographic Manuscript was in part traced from the reduction of the 1: 10,000 scale shoreline manuscript.

A slight difference was found between the shoreline plot and the 1: 20,000 topographic plot from latitude $34^{\circ} 48'$ to $34^{\circ} 49'$, longitude $76^{\circ} 37'$ to $76^{\circ} 37' 30''$. The 1: 10,000 shoreline reduction was deviated from slightly in the above mentioned area so that junction could be made with the adjoining quadrangle. It is believed that the 1: 20,000 plot is a little stronger in this area, due to additional photographic coverage over the 1: 10,000 shoreline manuscript. The 9-lens 1: 20,000 scale photographs were generally of a poor scale except photograph number 16239 which was of a very good scale, and was used wholly for delineation in the area that it covered. The projector was used for correcting scale differences between the map manuscript and the photographs when necessary.

29. SUPPLEMENTAL DATA:

None was used.

30. MEAN HIGH-WATER LINE:

The mean high-water line was taken directly from the reduction of 1: 10,000 scale shoreline manuscript. See item 30 of Compilation Report to Accompany Shoreline Manuscript.

31. LOW WATER AND SHOAL LINES:

The low-water line was shown as depicted on the Shoreline Manuscript. No duplication of shoal lines was considered necessary.

shallow

32. DETAILS OFF SHORE FROM HIGH-WATER LINE:

All details shown on the Shoreline Manuscript were transferred to the Topographic Manuscript. See Item 32 of Compilation Report to Accompany Shoreline Manuscript.

34. LANDMARKS AND AIDS TO NAVIGATION:

See item 34 of Compilation Report to Accompany Shoreline Manuscript.

35. HYDROGRAPHIC CONTROL:

See item 35 of Compilation Report to Accompany Shoreline Manuscript.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

None

37. POLITICAL BOUNDARIES:

Item 17 of Field Inspection Report is in error. The following political boundary lines fall within the limits of this quadrangle and have been shown on the map manuscript: BEAUFORT, HUNTING QUARTER, MERRIMON, SMYRNA, and STRAITS TOWNSHIPS.

Twp. lines have been shown per a later map of Carteret Co. dated 7 Feb '49
RJF

38. GEOGRAPHIC NAMES:

All Geographic Names furnished by the Washington Office were shown.
List of approved names attached to this Desc. Rpt.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADS.

None available.

45. COMPARISON WITH NAUTICAL CHARTS:

See item 45 of Compilation Report to Accompany Shoreline Manuscript.

Respectfully submitted,

W.W. Dawsey
W.W. Dawsey
Photogrammetric Aid

Approved and Forwarded:

Ross A. Gilmore
Ross A. Gilmore *9/24/48*

Lieut. Comdr. USC&GS
Chief of Party.

NOTES TO FIELD EDITOR
BOUNDARY LINES
PROJECT PH-5(45)

The township map of Carteret County, scale 1:80,000 is very inaccurate. When enlarged to the scale of the map manuscript, the various township lines involved do not plot in positions that appear to be correct, as it is believed that most township lines follow natural boundaries where possible. Since no legal descriptions were submitted for these boundary lines, this office has taken the responsibility of correcting the township lines to follow natural boundaries wherever possible. For example; the boundary line between BEAUFORT and STRAIGHTS TOWNSHIPS in NORTH RIVER has been constructed to follow the center of the river until it reaches TURNPIKE ROAD in Quadrangle T-8738. Actually the line (if plotted as shown on the county map) would leave the river approximately 40 millimeters north of Crabbing Creek and continue in a straight line across the marsh to TURNPIKE ROAD. Also the township line between SMYRNA and HUNTING QUARTERS TOWNSHIPS has been changed accordingly. This line has been shown as a straight line from the upper reaches of the EAST FORK of SOUTH RIVER in Quadrangle T-8732 to the upper reaches of HOWLAND CREEK in Quadrangle T-8740. If the line were shown as plotted from the County map, it would leave the EAST FORK of SOUTH RIVER in Quadrangle T-8732 approximately 49 millimeters down stream from its upper reaches.

It is suggested that the field editor discuss these discrepancies with the Board of County Commissioners and advise this office regarding same. It seems feasible that the Board, upon being thoroughly acquainted with the accuracy and completeness of our published quadrangles would adopt them as their official maps for political boundaries.

William A. Rasure

William A. Rasure
Photogrammetric Engr.

Approved and Forwarded:

Ross A. Gilmore

Ross A. Gilmore ^{9/13}
Lieut. Comdr. USC&GS
Chief of Party.

The County Commissioners submitted a map of Carteret Co., N.C. notarized on Feb. 7, 1949, from which all Twp. lines have been taken, (corrections etc.) during final review.

R.J.F.

2/6/50.

FIELD EDIT REPORT
Quadrangle T-8739
34-45.0' - 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 period, 1 April, to 15 April, 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 planetable methods.

The majority of additions and deletions was made directly on the field edit sheet. Some changes were shown on the photographs with a reference number of the photograph shown on the sheet.

Discrepancies where not settled directly on the discrepancy print, or referenced to the photographs, are discussed in the body of the report.

47 ADEQUACY OF THE COMPILATION:

The compilation of this quadrangle was adequate, 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.

There were some details overlooked by the compiler, that were shown by the Field Inspector. These details have been noted on the field edit sheet.

48 ACCURACY TESTS:

No accuracy tests were specified for this quadrangle. It is believed to comply with the horizontal and vertical accuracy specifications. Numerous visual observations indicates that the contour expression is satisfactory.

1. DESCRIPTION OF THE AREA

Item I of the field inspection report is partly in error. The many ditches and small streams affords this area a fair drainage. The larger portion of the ground is damp and spongy; however, it now supports a good growth of young pine. This area is a drained swamp and should not be shown by a swamp symbol.

2. LANDMARKS AND AIDS TO NAVIGATION

At 34-46.5/76-37.1, there is a building that should be shown as a landmark, which is reported on Form 567. This is in addition to the one discussed under Items 11 and 34 of the Field Inspection and Shoreline Compilation reports, respectively.

18 GEOGRAPHIC NAMES

During the time of field edit several geographic name discrepancies came to light. The name of the Small Creek at 34-45.3/76-30.8, shown as "Middens Creek" is in dispute. The preponderance of local information indicates that the name, "Pea Creek", is correct, and it has been so shown on the Geographic Name Sheet. However, because of the strong local opposition, it is recommended that no name be accepted until pending information is received and forwarded.

The name placement of the small creeks "Jump and Run" and "Middens", is shown on the field edit sheet in their corrected location.

The creek in 34-45.5/76-34.5 shown as "S. Leopard", is better known as "Gillikin Creek", which latter name is recommended.

The name of the small creek at 34-46.6/76-34.0, which is shown on the compilation as "Gillikin", is unknown locally. No one contacted had heard of a name for this creek, so it is recommended the name be deleted. V

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

See Geographic Names Sheet.

49 MISCELLANEOUS

This sheet was reviewed by Mr. H. D. Willis, a resident of Smyrna for 35 years. Mr. Willis has fished and hunted for twenty years in this area. He could find no errors in the compilation.

Submitted:
15 May, 1949

E. T. Jenkins
E. T. Jenkins
Cartographer

Approved:
15 May, 1949

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

Diag. Cht. No. 1283 & 1234-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. _____ Office No. T-8739 S/2

LOCALITY

State North Carolina

General locality Beaufort

Locality North River

194 6-'47

CHIEF OF PARTY

R.J.Sipe, Chief of Field Party

G.E.Morris, Jr., Tampa Photo. Office

LIBRARY & ARCHIVES

DATE _____

DATA RECORD

T-8739

Quadrangle (II): Shoreline Survey

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

Field Office: New Bern, N.C.

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

Compilation Office: Tampa, Fla.

Chief of Party: Lieut. Comdr. George E. Morris, Jr.

Instructions dated (II III): Undated

Div. Photogr.
 Copy filed in ~~Descriptive~~
 Report No. T- ~~(VI)~~
Office Files.

Completed survey received in office: 2-4-48

Reported to Nautical Chart Section: 2-12-48

Reviewed: 2-7-50

Applied to chart No.

Date:

Redrafting Completed:

Registered: 5-24-50

Published:

Compilation Scale: 1:10,000

Published Scale: —

Scale Factor (III): None

Geographic Datum (III): NA 1927

Datum Plane (III): MHW

Reference Station (III): Simpson, 1933

Lat.: 34° 48' 01" 507(46.4m)

Long.: 76° 36' 08" 310 (211.2m) Adjusted

~~Unadjusted~~

State Plane Coordinates (VI):

North Carolina grid

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16183	7 April '46	11:19	1:10,000	2.0 feet
84	"	11:23	"	2.0
85	"	11:24	"	2.0
86	"	11:25	"	2.0
87	"	11:28	"	2.0
16176	"	11:12	"	2.0
77	"	11:13	"	2.0

Tide from (III): Beaufort, N.C.

Reference Station Hampton Roads

Mean Range: 2.5

Spring Range: 3.0

Camera: (Kind or source) U.S.C.&G.S. 9 Lens 8:25 inch Focal Length

E.L. Williams

Feb-Mar '47

Field Inspection by: R.A. Horn

date: June-Aug. '47

Field Edit by: _____

date:

Date of Mean High-Water Line Location (III): March, 1947

Projection and Grids ruled by (III) T.L.J. (W.O.)

date: 25 Sept. '47

" " " checked by: T.L.J. (W.O.)

date: 25 Sept. '47

Control plotted by: R.R. Wagner

date: 6 Oct. '47

Control checked by: I.I. Saperstein

date: 6 Oct. '47

Radial Plot by: M.M. Slavney

date: 27 Oct. 1947

Detailed by: W.W. Dawsey

date: Oct-Dec. '47

Reviewed in compilation office by: J.A. Giles

date: Jan. 1948

Elevations on Field Edit Sheet

checked by: None - Shoreline Survey

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 12

Shoreline (More than 200 meters to opposite shore): 55.9 Statute miles

Shoreline (Less than 200 meters to opposite shore): 6.0 Statute miles

Number of Recoverable Topographic Stations established: ~~13~~ 12

Number of Temporary Hydrographic Stations located by radial
plot: None

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:

NONFLOAMING%ATOSCOR LANDMARKS FOR CHARTS

**TO BE CHARTED
TOMB RIDE ENTERPRISE**

STRIKE OUT ONE

Washington, North Carolina

10 May

197

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

The positions given have been checked after listing by John Dansey,
Tampa Photographic Office

E. J. McCarthy

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHART AFFECT
				LATITUDE		LONGITUDE		DATUM							
				D.M.	P. METERS	D.M.	P. METERS								
North Carolina	H0.	Cyster (Topo) 29' above ground 30' above M.H.W.		34-46	879'	76-37	158'	N.A.	T-8739	1947	X			L20, L1234	

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

MONITORING COMMUNITY LANDMARKS FOR CHARTS

STRIKE OUT ONE

Morehead City, N. C.

18 September 1947

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

The positions given have been checked after listing by W.W. Dawsey,

Tampa Photogrammetric Office

Riley J. Sipe,
Chief of Party

[illegible]

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-ELEGANT AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TOOBE)DELETED

Washington, D. C.

7 Feb., 1950

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

The positions given have been checked after listing by Roscoe J. French

S. V Griffith *Chief of Party.*

[illegible]

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

COMPILATION REPORT
TO
ACCOMPANY SHORELINE MANUSCRIPT
T-8739 $\frac{S}{2}$

26 AND 27. CONTROL AND RADIAL PLOT:

A special report has been prepared by Photogrammetric Engineer M.M. Slavney and was submitted to the Washington Office 17 November, 1947. *Filed in Div. of Photogrammetry General Files.*

28. DELINEATION:

The nine lens 1:10,000 scale photographs were used for cutting in all detail points for delineation. The scale on these photographs was comparatively good. The field inspection was adequate, except for (1) one road which was classified as road 5 on T-8739 and road 4 on T-8740. This should be checked by the field editor.

US 70 made Road 4 (field edit)

29. SUPPLEMENTAL DATA:

None available.

30. MEAN HIGH-WATER:

The mean high-water line was defined clearly enough on the field photographs for accurate delineation.

31. LOW-WATER AND SHOAL LINES:

The low-water and shoal lines were identified satisfactorily for delineation.

32. DETAILS OFFSHORE FROM HIGH-WATER LINE:

All offshore details indicated on the field photographs have been shown on the map manuscript.

33. WHARVES AND SHORELINE STRUCTURES:

All piers and shoreline structures were depicted as shown on field photographs.

34. LANDMARKS AND AIDS TO NAVIGATION:

One landmark was recovered by the field inspector and reported on form No. 567 which will be submitted with the topographic quadrangle. No non-floating aids to navigation were reported by the field party.

*(one during review.
(and one during field edit)*

*See 65. Review
RJF*

35. HYDROGRAPHIC CONTROL:

See item 12 of Field Inspection Report.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

None.

37. BRIDGES:

See field inspection report item 15.

38. BOUNDARY LINES:

~~None. See item 17 of field inspection report.~~

Top. lines per map dated Feb. 7, 1949 R.I.F.

44. Comparison with existing topographic quadrangle.

None was available.

45. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with nautical chart 420 - Beaufort Inlet and part of Core Sound - 1:40,000 scale, print date 20 July, 1946. Minor changes were noticed in the shoreline detail, but in general they compared favorably. Information on the map manuscript should supersede the nautical chart.

Respectfully submitted,

Webber W. Dawsey

Webber W. Dawsey,
Photogrammetric Aid.

Approved and Forwarded:

George E. Morris, Jr.
George E. Morris, Jr.
Chief of Party.

GEOGRAPHIC NAMES

Survey No. T-8739

Name on Survey	A	B	C	D	E	F	G	H	K	
Jarrett Bay										1
Wade Creek *										2
Middens Creek *										3
Jump and Run *										4
Smyrna										5
Williston										6
U.S. Highway #70										7
Otway										8
Open Grounds										9
Hunting Quarter Twp.	No									10
Smyrna Twp.										11
Straits Twp.										12
Beaufort Twp.										13
Merrimon Twp.										14
Ward Creek										15
Otway Road	No									16
Harkers Island Road										17
North River										18
Ward Creek Bridge										19
North River Bridge										20
South Leopard Creek										21
North Leopard Creek										22
Gillikin Creek										23
Marshallberg Road										24
Bettie										25
Woodville Baptist Church										26
Williston Creek										27

M 234

GEOGRAPHIC NAMES

Survey No. T-8739

GEOGRAPHIC NAMES		Survey No. T-8739									
Name on Survey	<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>										
	A	B	C	D	E	F	G	H	K		
Deep Creek / .										1	
Marsh Hen Point .										2	
Fulcher Creek ✓.										3	
Thomas Marsh ✓.										4	
Thomas Creek ✓.										5	
Lynch Creek ✓.										6	
Crabbing Creek ✓.										7	
North Carolina* .	(for title)									8	
Carteret County ✓.		..								9	
Crow Hill Road .										10	
										11	
										12	
										13	
										14	
										15	
										16	
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										22	
										23	
										24	
										25	
										26	
										27	
										M 234	

* - Decis. of BGN

Underlined names approved.

10-5-48.

a. j. W.

Review Report T-8739
(Topographic and Shoreline)
7 February 1950

61. General Statement.-Shoreline detail is confined to the S/2 of T-8739 at 1:10,000 scale. A N/2 was not needed since there is no shoreline of consequence N of latitude $34^{\circ}48'45''$. The compilation of these two manuscripts is the product of combined operations, the shoreline map being compiled first for the tide-water areas and then transferred after photographic reduction to the 1:20,000 topographic manuscript. The balance of interior detail and the contours came directly from the 1:20,000 photographs. Two separate and distinct radial line plots were laid down to control each of the manuscripts.

62. Comparison with Registered Topographic Surveys.-

1306	1:20,000	1873	
1328	"	1873	
5574	"	1933	Air Photo Compilation
6000	"	1933	" " Control Survey
8045	"	1942	" " Compilation

This survey (T-8739) unqualifiedly supersedes common areas of the above listed surveys in all respects *for nautical charting purposes.*

63. Comparison with Maps of Other Agencies.- None

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

420	1:40,000	49	8/8
1233	1:80,000	47	9/1
1234	1:80,000	49	10/3

A landmark "HOUSE" was recommended for charting by the field edit party. It is about $3/4$ mile south of North River Bridge on Thomas Marsh and is shown on Form 567. No disposition was made of the landmark "SPIRE" at Williston near the upper end of Jarrett Bay. L. 382 (1915) refers to the position under 70936 GTZ N. C. in the field records. A church is still there (whether the same is not known), and a new position is shown on Form 567. It appears on the photographs to be visible from Jarrett Bay, although a large building lies in between the Church and the MHWL.

The list of geographic names will change those on the chart in three places, and add one.

No disposition is made of the rocks awash in Ward Creek where it narrows just south of the bridge, nor are sand shoals discernible in the area to the extent shown by the rock awash symbol.

66. Adequacy of Results and Future Surveys.-The interpretation and exact limits of the cover (trees and swamp) is subject to controversy on this quadrangle. The reviewer has changed the limits shown by the compiler, and has given considerable weight to the field editors note regarding the drained area in the "Open Grounds". He said, "Young pine is coming in and the swamp symbol should not be used".

The darker tones on the photographs are more indicative of bottomland hardwoods near the river, and has been shown with the swamp symbol. Elevation is a factor in the exact delineation between trees and swamp, and has helped to give a better interpretation.

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

This map complies with the project instructions and Bureau policy, and with the National Standards of Accuracy. It supersedes all other surveys covering the common area and should be used for further nautical chart constructions.

Reviewed by:

Roscoe J. French
Roscoe J. French

APPROVED:

L. V. Griffith
Chief, Review Section *L.V.G.*
Div. of Photogrammetry

H. C. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

Wm. Scaife
Chief, Div. of Coastal Surveys

Source: NOAA
The U. S. Weather Bureau displays storm warnings
at Beaufort and Morehead City.

RADIOBEACON SIGNALS

For schedule of operations see Light List and for changes see Notice to Mariners.
Stations
Cape Lookout Lighthouse.....Gp 1 dash, 1 dot, 1 dash, 1 dot for '60 sec., silent 120 sec.

CAUTION

Improved channels shown by broken lines are
subject to shoaling, particularly at the edges.

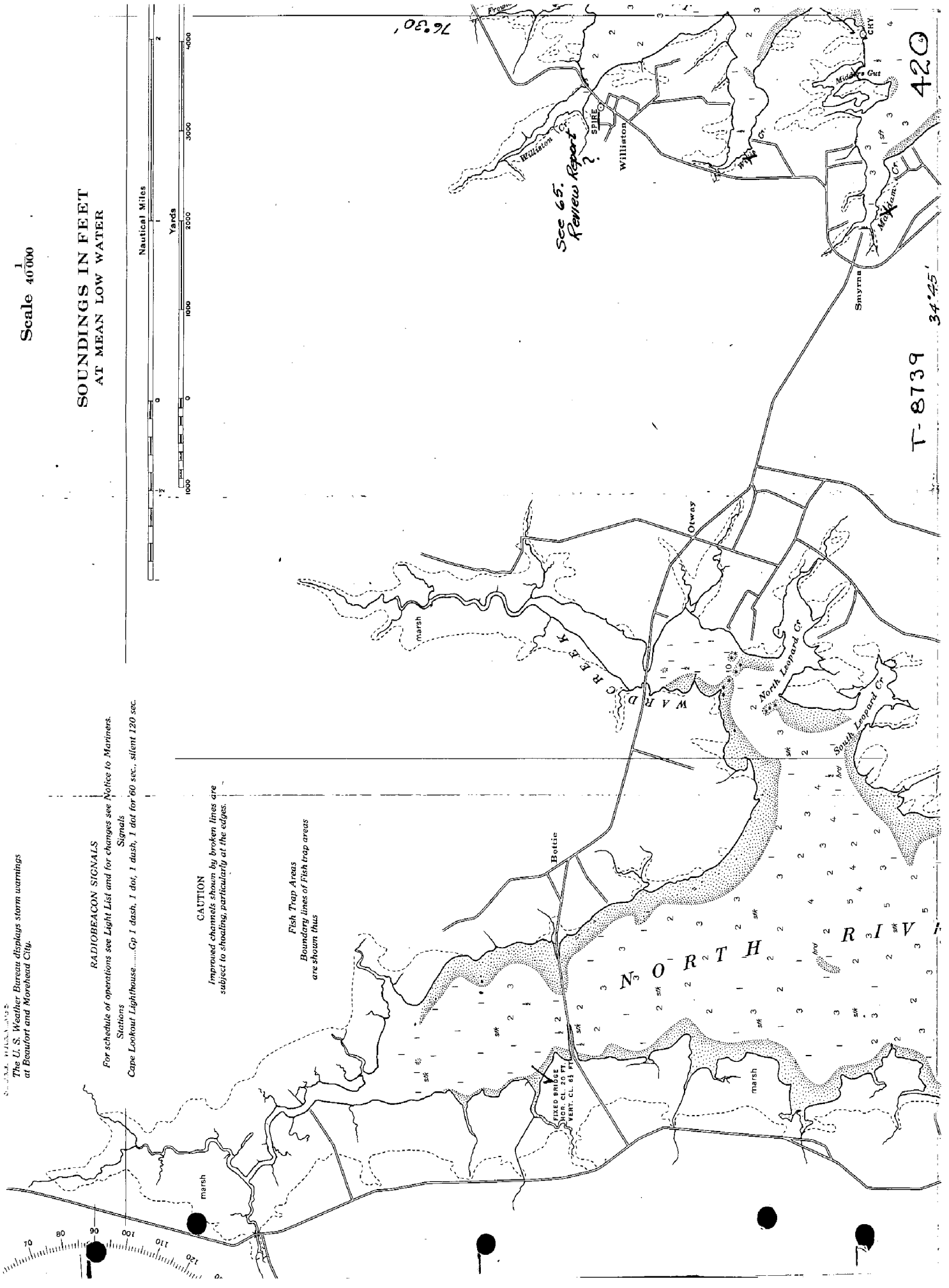
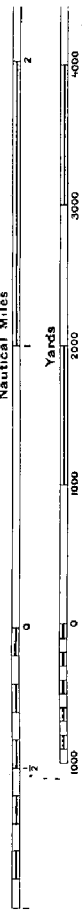
Fish Trap Areas
Boundary lines of fish trap areas
are shown thus

**SOUNDINGS IN FEET
AT MEAN LOW WATER**

Scale 1/40000

Nautical Miles

Yards



See 65.
Review Report

T-8739

420