## 9396

ORIGINAL

\*4376

N\$5

Diag Cht 1234-2

Form 50

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Topographic
Field NoOffice NoT-9396 / PH-58(49)
LOCALITY
State North Carolina
General locality Atlantic Coast
Locality Bear Creek
1952-1
CHIEF OF PARTY H. F. Garber, Chief of Party H. A. Paton, Baltimore Photogrammetric
LIBRARY & ARCHIVES
MAR 2 4 1955

3-1870-1 /1

Part apple to cht 1234 (no correction) 3-7-56 RKD.

Cht 777-Fully Applied (No Corr) 5-24-62 G.R.J.

T = 9396

Project No. (II): Ph-58 (49) Quadrangle Name (IV): Hubert N.C.

Field Office (II):

Holly Ridge, N. C. Jacksonville, N.C.

Chief of Party:

Harry F. Garber

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: H.A. Paton

Instructions dated (II) (III):

27 February 1950

28 April 1950, Supplement 1

Copy filed in Division of Photogrammetry (IV)

Office Files

26 April 1951, Supplement 2

Multiplex (Planimetry)

Method of Compilation (III): Air Photographic

Graphic (Contours)

Stereoscopic Plotting Instrument Scale (III): 1:10,000

Manuscript Scale (III): 1:10,000

Scale Factor (III): 1.000

Date received in Washington Office (IV): 1-28-52 Date reported to Nautical Chart Branch (IV): 2-5-52

Applied to Chart No.

Date:

Date registered (IV):

2-18-55

Publication Scale (IV): /: 24,000

Geographic Datum (III): N. A. 1927

Publication date (IV):

Vertical Datum (III): MSL

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): RUSSELL, 1932

Lat.: 34° 39' 27.717

Long.: 77° 11' 43!098

Adjusted CONTROL OF

Plane Coordinates (IV):

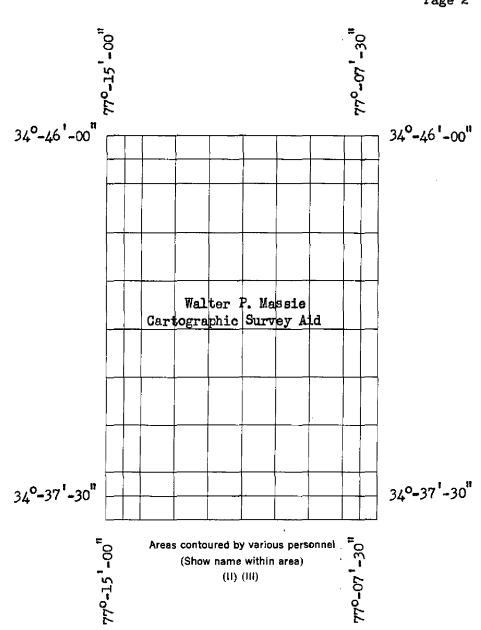
State: NC

Zone:

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.



DATA RECORD

Page 3

Field Inspection by (II): M. W. Smith

H. G. Murphy

May, 1950 Date:

Planetable contouring by (II): W. P. Massie

June, 1951 Date:

Completion Surveys by (II): H. R. Cravet

Date: March, 1952

Mean High Water Location (III) (State date and method of location): 8 November 1949

(Date of photography)

Projection and Grids ruled by (IV): TLJ

Date: March 1950

Projection and Grids checked by (IV): HDW

Date: March 1950

Control plotted by (III): A. C. Rauck, Jr.

Date: May 1950

Control checked by (III): H. P. Eichert

Date: May 1950

Radial Plot or Stereoscopic

Control extension by (III): A. K. Heywood

Date: June 1950

Planimetry A. K. Heywood June 1950 Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III):

J. Y. Councill 9396 S 9396 N

B.Wilson

Date:

June 1950

July 1950

Photogrammetric Office Review by (III):

A.K. Heywood

Date:

July 1950

Elevations on Manuscript checked by (II) (III):

J. A. Clear, Jr.

A.C. Rauck, Jr.

Date: June, 1951

Jan. 1952

Camera (kind or source) (III): 6" Focal Length

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
2-154 - 2-162	11/8/49	1354	1:24,000	0.7 MLW
2-197 - 2-205	п	1338	· · · · · · · · · · · · · · · · · · ·	0.9 MLW
3-5 - 3-12	п	1314	ii .	1.2 MLW
3-53 - 3-62	п	1237	п	1.4 MIW
3_68 - 3-76	n	1219	n	1.7 MLW

Tide (III)

### From predicted table of tides

Reference Station:

HAMPTON ROADS (SEWALL PT)

Subordinate Station:

NEW RIVER INLET

Subordinate Station:

Ranges	Range	Range
1.0	2.5	3.0
1.2	3.0	3.6

Patio of Mean | Spring |

Washington Office Review by (IV): C. Hanavich

Final Drafting by (IV): John H. Frazier - 9396-5 (E/z & w/z for registration form

9396N WO Hallum

Drafting verified for reproduction by (IV): 4396 S W O Hallum

Date: 9-28-54

Date:

Date: 7 Jan., 1953

Proof Edit by (IV):

54

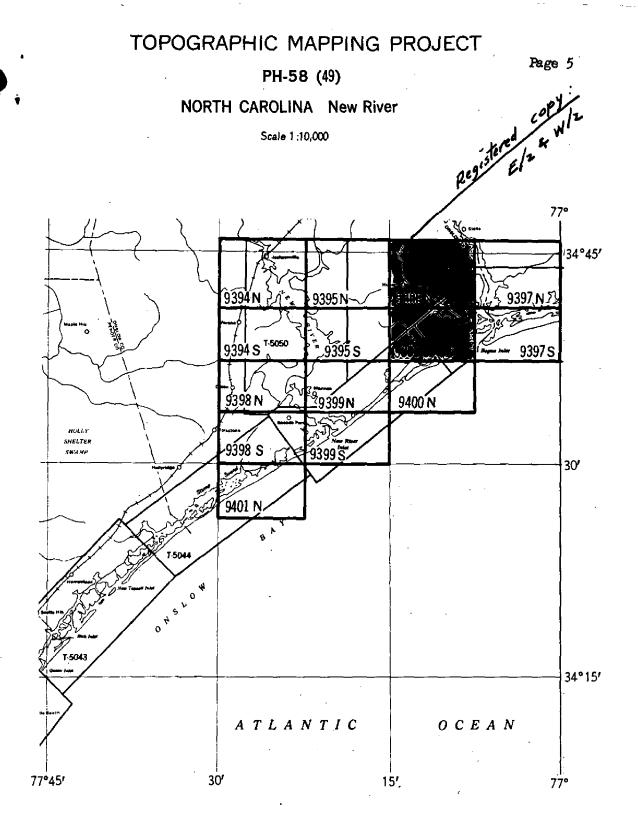
Land Area (Sq. Statute Miles) (III): 36 Shoreline (More than 200 meters to opposite shore) (III):

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II): 57 Identified: 15 \* Number of Triangulation Stations searched for (II): 26 Identified: Recovered: Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III): 7 8 Number of Temporary Photo Hydro Stations established (III): 14

\* One triangulation station was searched for a second time at a later Remarks: date. This was Bogue Sound Beacon 25, 1933. A second recovery card (III) was submitted stating "STATION DESTROYED, BEACON MOVED". One station was searched for and recovered off project limit, making a total of 17 recovered. In addition 3 traverse stations and 2 azimuth marks were identified. bringing the total stations identified to 20.



Project Ph-58(49), a topographic mapping survey, consists of 8 quadrangles numbered T-9394 to T-9401, inclusive. The area of the project is located in the vicinity of the town of Swansboro and New River, N.C., and extends from the coastline between longitudes 77° 00' and 77° 30' northward to latitude 34° 46'. To the east it junctions with Ph-5(45) - a topographic and shoreline mapping project.

The field operations included complete field inspection and the establishment of some additional horizontal control. Contouring was accomplished by planetable at 5-foot intervals. Compilation of planimetry was done by the multiplex; planetable contours were later applied by graphic methods. The compilation scale was at 1:10,000. Except for T-9400N and T-9401N, each map manuscript is comprised of 2 sheets and is identified as the N (North) or S(South) sheet. Each sheet of the map manuscript - including T-9400N and T-9401N - is 3 3/4; in latitude by 7½; in longitude; the exception to this is in the northern tier of 4 sheets (T-9344N to T-9397N inclusive) which are 4 3/4; in latitude.

For information on other phases of the work concerning the project, such as the project instructions, special reports, official correspondence, and other supplementary information, reference should be made to the project completion report, which will be compiled and submitted upon completion of the review of all the surveys on this project.

These maps are to be published by the Geological Survey at a scale of 1:24,000 as a standard topographic quadrangle. Cloth-backed lithographic prints of the original map manuscripts at compilation scale and the descriptive reports for all maps in this project will be filed in the Bureau Archives. Cloth-backed copies of the published topographic quadrangles will also be filed.

\* Registered as T-9396 N (E/2 & W/2) and T-93965

### FIELD INSPECTION REPORT Quadrangle T-93% Project Ph-58

### Harry F. Garber, Chief of Party

### 2. AREAL FIELD INSPECTION

The area is rural and the high ground devoted to farming.

A settlement of several buildings, known as Hubert, N. C., lies at the western edge. This is the only collection of buildings of consequence but there are numerous farm homesteads scattered throughout.

There are numerous natural drains formed by the rolling upland. These empty into the White Oak River on the east, the Intracoastal Waterway which crosses the southeast corner, or Queen Creek, a stream flowing northwest-southeast through the center.

Access roads are plentiful and of good quality, the most prominent being N. C. State Highway No. 24 and No. 172.

U.S. Marine Corps, Reservation, Camp Lejeune, occupies a small part of the southwest section.

Notes were made on the photographs classifying the vegetation, no unusual difficulty of interpretation being encountered.

The photographs are of good quality and adequately cover the area.

### HORIZONTAL CONTROL

As a result of a traverse run to provide supplemental control for the photogrammetric plot, four temporary stations were established. These are all just north of the quadrangle limit and were numbered: P. Pt. HM #1, P. Pt. HM-P #1, P. Pt. HM-P #2, and P. Pt. HM-P #3.

Two Corps of Engineer third order traverse stations were recovered. They are: Mon. 15 (C of E), 1941 (north of quad. limit), and Mon. 22 (C of E), 1941.

All known U.S. Coast and Geodetic Survey stations were searched for and reported on Form 526. Those reported "Lost" are listed as follows:

Bogue Sound, Beacon 25, 1933 Bogue Sound, Beacon 29, 1933 Helio, 1927 Mill, 1914 Smith's House Cupola, 1914 Water Tank near Queen, 1933 294(USE), 1933

Of these, MILL, 1914, was identified for use in the photogrammetric plot as the base of the monument was found still in place although the tip had been broken off.

### 4. VERTICAL CONTROL

There are no U.S. Coast and Geodetic Survey bench marks. The following Corps of Engineer third-order bench marks were recovered and reported on Form 685A: Mon. 15 (C of E), 1941, Queen (USE), and Meadow (USE).

Also, three fourth-order elevations, established by military personnel of the Corps of Engineers on horizontal control stations, were recovered. They are:

Hubert, 1932Mon. 22 (C. of E.)Russell, 1932

The elevation of each of these stations was proved to be in error by \diamonds 2.0 feet.

- (1) Hubert, 1932 was used as the vertical, as well as horizontal, origin of the Hubert-Mill traverse run to supplement the photogrammetric plot control. The levels failed to close by ∮ 2 feet at a first order bench mark. The line was rerun with the same results. A line was then run from Gorps of Engineer third-order bench mark Mon. 15 (north of quad. T-9396) to Hubert, 1932. This proved the elevation of Hubert to be 50.00 feet and not 51.93 feet, as published.
- (2) The elevation of Mon. 22 was proved in error by running a line from U.S.M.C. Mon. 424 (third order) to it. The elevation of U.S.M.C. Mon. 424 was proved good by running a fly-level line from it to third order bench mark SWANSBORO (USE) in Quadrangle T-9397.
- (3) The elevation of RUSSELL, 1932 was proved in error by running a line between closed fly-level points.

In each instance, the published elevation and that shown on the quadrangle maps is 2 feet high. The Corps of Engineers have not been informed of this discrepancy.

Supplemental control for contouring was established by spirit level lines run between bench marks or checked spot elevation points. Approximately 57 miles were run; 108 checked spot elevations were established. The first was numbered 9601; the last 96108. The largest error of closure was 0.54 foot; the next 0.48 foot. These two lines were adjusted but others of smaller error were not.

### 5. CONTOURS AND DRAINAGE

Contouring was done by standard planetable methods on the photographs. Lines were cleared where the vegetation was dense and planetable traverses were run on them. The stereoscope was used to shape contours where sketching was done.

Drainage was delineated by the compilation office at the time the planimetric maps were compiled. The field office has checked the drainage by comparing the compilation with the contoured photographs. Corrections have been indicated on a film positive of the planimetric map manuscript which was labeled "Drainage Overlay".

### 6. WOODLAND COVER

On the high ground, pine trees predominate with some oak being found on the sand areas. Deciduous trees predominate in the swamps, with a scattering of cypress and pine. The flat upland Pocasin-like areas are covered with dense brush, briars, vines, and scattered pine.

### 7. SHORELINE AND ALONGSHORE FEATURES

Shoreline was inspected from a small boat running close to shore. Notations were made on the photographs. The high-water line was delineated in the White Oak River and at the ocean front on Bear Island. In the marsh area adjacent to the Intracoastal Waterway, the apparent shoreline was labeled.

The approximate low-water line was shown on the ocean front only.

The foreshore is sand and shell or mud throughout.

Alongshore structures were inspected and labeled.

### OFFSHORE FEATURES

None noted except where approximate low-water line was indicated.

### 9. LANDMARKS AND AIDS

A special report was submitted for the project for Landmarks and for Non-floating Aids.

### 10. BOUNDARIES, MONUMENTS AND LINES

This is the subject of a special project report.

### 11. OTHER CONTROL

None established. (See Side heading 38)

### 12. OTHER INTERIOR FEATURES

Roads, buildings, etc. were inspected and classified in accordance with current instructions.

There are no bridges over navigable water.

### 13. GEOGRAPHIC NAMES

A special report for the project was submitted to the Washington Office in June, 1950.

### 14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special project reports were submitted for Boundaries, Landmarks for Charts, Non-floating Aids, and Geographic Names.

Field inspection and edit of planimetry data were forwarded to the Baltimore Photogrammetric Office under Transmittals No. 8, dated 29 April 1950; No. 13, dated 25 May 1950; No. 24, dated 20 July 1950; and No. 26, dated 24 July 1950.

> 22 June 1951 Submitted by:

William H. Shearouse

Welliam H. Shearon

Cartographer

13 July 1951 Approved by:

Harry F Garber Commander, USC&GS Chief of Party

### PHOTOGRAMMETRIC PLOT REPORT

Filed as part of the Descriptive Report for T-9396

						0				Photogrammetry
MAP T. 9396		PROJEC	PROJECT NO	Ph-58	(67)	SCALE C	SCALE OF MAP1:10,000	10,000	SCALE FACTOR	OR 1.000
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR "	OR W-CO	COORDINATE	DISTANCE FR OR PROJECTIO FORWARD	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 FROM GRID OR PROJECTION LINI IN METERS FORWARD (BACK)
	G.P.	N.A.	34	45	15.015	462.7	(1386.2)			
HUBERT, 1932	F.3(	1927	77	13	58.793	1495.3	(30.7)			
DISCRIT 1030	dec	=	34 3	39	27.717	854.1	(694°4)			
			77	11	43.098	1097.4	(430.4)			
LEOF STANT	G-5297		34	39	00.901	27.8	(1821.0)			
	P.493		77	60	39.675	1010.4	(517.6)			
200,53407	=		34	38	48.575	1496.8	(352.0)			
. HAMMOCK, 1855	P. 500	=	77	10	13.406	341.4	(1186.7)			
	=		34	38	26.024	801.9	(1046.9)			
ВЕАСН, 1914	P. 493	ш	77	80	49.413	1258.5				
BEAR, 1914	=		34	37	38.984	1201.3	(647.5)		T.	
	=		77	10	789.70	195.8				
. MEADOW, 1914	=	11	34	37	37.704	1161.8	(0.22)			
			77	12	36.675	934.2	(594.2)			
ALC: NOW		11	34	38	10,992	338.7				
אדאר יחודש			77	7	51.377	1308.6	(219.4)			
LOL WING	= 1		- 34	38	57.456	1770.4	(78.4)			
DANN, 1714	r.472	=	77	88	04.920	125.3	(14,02.7)			
00 100			34	42	28,999	893.6	(955.3)			
(8 of E) WE /4/	P. 9	OT ALL	1.1	13	54.134	1377.6				
	S. 1/2 C. 1/2	E	718	047	12.566	387.2	(1461.7)	£.,		
CUEEN, 1914	P. 32		1.1	80	18.016	458.7	(1068.9)			
BOUNDARY	U.S.M.C.	N.A.	326,102,22	32.25		336.0	10.1	1 See 10	ota on page	I bush dolo 7
MARKER I	Map.	1927	2,539,739.95	39.95		1444.7			9	
COMPUTED BY. A. K. Heywood	Heywood	Ad	DATE 5/50	0		В	ECKED		Lineweaver DATE 5/50	M - 2388-12

MAP T. 9396							
	PROJECT NO.	CT NO. Ph-58(49)	SCALE OF	OF MAP 1:10,000	00000	SCALE FACTOR	R 1.000
STATION SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR V-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	GRID IN FEET. INE IN METERS (BACK)	DATUM	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)
BOGUE SOUND G-5297	7 N.A.	34 40 51-491	1586.6	(262.3)	Destro	ved. This bon.	wos Colum
BEACON NO.25,1933 P. 512		60	1300.6	(226.7)	19 193	3 after position	was establi
44		34 40 15,365	473.5	(1375.4)	This	Sallo Rosue	June 1 14 49.
BEACON No.27,1933 "	2		1.9	(1525.6)			
3		34 38 34.057	1049.4	(4.664)	Also	aunders Gree	+ xx 5-5-
BEACON NO.Z7C, 1933 " "	TI TI	77 10 49.697	1365.7	(262.4)			
HM NO.1,1950 Field		378,592.46	1095.0	(429.0)			
Comp.	18	2,529,333.46	1320.8	(203.2)			
T.P.HW-P-2 "	=	378,658,56	1115.1	(6°807)			
		2,536,580.80	481.8	(1042.2)			
H.M.P-3=p.pt.HMP-1 "	=	378,406.05	1038.2	(485.8)			
		2,540,677.65	206.5	(1317,5)	Star	Lions plot North	Id pressed
HM P-21-p. pt. HMP-3 "	*	383,539.22	1078.7	(445.3)	114	,, 2,	, , )
		2,559,261.57	1298.9	(225,1)			
PELLETIER, 1932 G.P.		34 47 15.285	471.0	(1377.9)			
P-37	n	77 07 24.407	620.5	(6.406)			
HM P-8=p.pt.HMP-2 Field		376,703.54	519.2	(1004.8)			
Comp.	11	2,549,267.89	1300.8	(223.2)			
BOUNDARY MARKER II U.S.M.C		324,296,48	1309.6	274.4			
BOUND.	).  "		1427.3	7.96		10	
BOUNDARY MARKER III "		323,978.66	1212.7	311.3	- There	stations have	been designa
		2,540,925.04	282.0	1242.0	and his	solving non your	som trus les 10
BOUNDARY MARKER IV	=	323,616.87	1102.4	421.6	State	Booker is book	11 They were
	,	2,540,985.37	300.3	1223.7			2-
COMPUTED BY. A.K. Heywood		5/50 DATE	CHECK!	снескер ву Маупе	L.Lineweaver	aver DATE 5/50	M - 2388 - 12

### COMPILATION REPORT

### T-9396

### Photogrammetric Plot Report

Refer to Descriptive Report T-9401 for photogrammetric plot report.

### 31. DELINEATION

Refer to item 5 of field inspection report and item 31 of descriptive report T-9397.

### 32. CONTROL

Refer to items 3 and 4 of field inspection report and item 23 of photogrammetric plot report.

### 33. SUPPLEMENTAL DATA

Map Showing Location of Reservation Boundary, Camp Lejeune, N.C. sheet No. 1 of 2.

This map was used to determine horizontal positions of Boundary Markers and also to supplement field inspection of the boundary line.

### 34. CONTOURS AND DRAINAGE

Refer to item 5 of field inspection report and letter dated 28 November 1951 attached to this report.

Drainage, in poor agreement with contours, was removed from the manuscript as per instructions in letter dated 28 November 1951.

Where photograph scale was in good agreement with the manuscript, contours were graphically delineated by the usual photogrammetric methods.

In most cases photograph scale was poor. These had to be ratioed to scale by vertical projection. And because many of these photos had acetate contour overlays which will not stand the heat of the vertical projector, it was necessary to trace the contours to a suitable transparent paper and then ratio to scale with the projector.

The selection of photographs for planetable contours was poor. In many instances the field inspector placed his contours in the outside areas of the photographs, whereas he could have placed all contours in the central areas of each, thus eliminating or at least minimizing relief displacement.

### 35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. Low water lines were furnished by the field inspection party. Shallow lines were delineated from interpretation of the photographs.

The extensive marsh area on the shouthern portion of the manuscript was delineated in the same manner.

### 36. OFFSHORE DETAILS

These data are complete.

### 37. LANDMARKS AND AIDS

Form 567 is herewith submitted for four nonfloating aids. One of these was a triangulation station which has been moved. A new position (scaled from a multiplex plotted position, verified by field edit) is submitted.

Of theremaining three, two are plotted by multiplex and one, DAYBEACON 53, was transferred from the field edit photographs.

Form 567 is also submitted for one landmark plotted by multiplex.

### 38. CONTROL FOR FUTURE SURVEYS

Six recoverable topographic stations and fourteen photo-hydro stations are plotted on the manuscript.

Item 11 "Other Control", field inspection report, states "None established". However, the field party submitted six forms 524 for aids to navigation, two of which are triangulation stations. (Forms 524 for the triangulation stations. (Forms 524 for the triangulation stations.)

Forms 524 are submitted for the following:

Bogue Sound Light 48 (formerly triangulation station, Beacon,
Bogue Sound 25, 1933 which has been moved.
New position plotted by multiplex)

Bear Creek Light 58 (plotted by multiplex)
Queen Creek Daybeacon 51 (plotted by multiplex)
Queen Creek Daybeacon 53 (transferred to manuscript from field edit photo)

Observation Tower (landmark, plotted by multiplex) (submitted by field

Also included on forms 524 are the multiplex positions of Russell Azimuth Mark, R.M. 1, 1932 and Queen Azimuth Mark, R.M. 3, 1933. The positions, descriptions, and sketches of these two have been completed by the Baltimore Photogrammetric Office.

See item 11, paragraph 2 of field report T-9397, regarding hydrographic survey. In consideration of this, the fourteen photo hydro stations are not included in the described list of recoverable topographic stations under item 49 of this report.

### 39. JUNCTIONS

To the north there is no contemporary survey.

Satisfactory junctions have been made:

To the east with survey T-9397 To the south with survey T-9400 To the west with survey T-9395.

### 40. HORIZONTAL AND VERTICAL ACCURACY

Refer to last paragraph of item 4, Vertical Control of field inspection report, and Vertical Accuracy Test, attached to this report.

### 41. BOUNDARIES AND LINES

The following boundaries lie within the limits of this survey!

The Intracoastal Waterway Right of Way (Not Shown on map manuscript)
The U.S.M.C. Camp Lejeune boundary line
White Oak - Swansboro Township Line
Onslow - Carteret County line
Croatan National Forest Boundary line.

Differences in position of Boundary Monuments I to IV U.S.M.C. exist between data listed in U.S.M.C. list, page ten and the data listed on U.S.M.C. Reservation Boundary Map, sheet 1 of 2. The positions as plotted on the manuscript and shown on the control form were taken from the data on the U.S.M.C. Reservation Boundary Map.

### 42. thru 45

Inapplicable.

### 46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following:

War Dept. C. of E. 15 minute Swansboro, N.C. quadrangle, scale 1:62,500, dated 1942.

U.S.C.& G.S. sheet No. T-5049, Bear Inlet to Alligator Bay, scale 1:20,000, dated 1933, revised 1934.

U.S.C.& G.S. sheet No. T-5048, Cat Island to Bear Inlet, scale 1:20,000, dated 1933.

Comparison with these sources was in good agreement with a few exceptions.

In the vicinity of Swansboro northeast of Bogue Sound Lt. 48 there is a bridge or small causeway shown on U.S.C.& G.S. sheet T-5048. This is believed non-existent and not shown on the manuscript.

A long pier extending south into the Intracoastal Waterway in the same

### 46. COMPARISON WITH EXISTING MAPS (continued)

vicinity is also shown on T-5048, but is not on the manuscript.

The usual cultural changes were also in evidence.

### 47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with the following:
Coast Chart No. 1234, scale 1:80,000, dated March 1940 (7th edition)(10-3-49).
Intracoastal Waterway Chart No. 833, scale 1:40,000, dated June 1946 (2nd edition)(11-22-48)

The bridge or causeway at Swansboro noted in the preceding item is also not evident on these charts, while the pier in the same vicinity is shown on both.

Items to be applied to nautical charts immediately:
None.

Items to be carried forward None.

Respectfully submitted 19 March 1952

Cartographer

Albert C. Rauck, Jr.

Approved and forwarded

Hubert A. Paton,

Comdr., C&GS

Officer in Charge



### Field Edit Notes, T-9396 N

The compilation of this half quadrangle is adequate and will be complete after field edit additions, etc., have been applied.

Drainage, marshes, swamps and flooded areas were well-compiled on this map manuscript. The pattern seems excellent with no great amount of revision being required.

No check was made of geographic names. A special report has been submitted for the project.

Field edit information appears on the Discrepancy Print, Field Edit Sheet and the following photographs: LEJ-2-160, 198, 199, 200, 201, and LEJ-3-9, 10, 54, 55, 57.

William H. Shearouse, Cartographer

Jacksonville, N. C. 20 July 1950

### Field Edit Notes, T-9396 S

Compilation of this half quadrangle will be adequate after application of field edit information.

Field edit corrections are general, there being no part of the compilation requiring spectial attention.

Regarding the Reservation Boundary at Bear Creek, it was determined that the survey was made with reference to "normal high-water line", which was interpreted by the surveyors for land acquisition to be the edge of marsh and is the line we have shown as apparent shoreline.

Triangulation station QUEEN was visited and a rubbing made. The stamping was found to be QUEEN, 1914, 1932. Please correct control station identification card.

Forms 526 and 524 are submitted for BOGUE SOUND BN.,

1933. Undoubtedly it has been mooved. Light list name: Boque Sound

Lt. 48. Position located by radial plat.

Geographic names were not verified. They should be checked with the Project Report on names.

> William H. Shearouse. Cartographer

Jacksonville, N. C. 24 July 1950

### VERTICAL ACCURACY TEST Quadrangle T-93% Project Ph-58

A test of about 2 miles was run near the northern project limit. It began vertically at fly-level point no. 9652 and ended at fly-level point no. 9626. Closure was 0.4 foot low and no adjustment was made.

horizontally at road intersections. Error of closure was about 15-20 feet.

An attempt to evaluate the accuracy of the contours was made by placing a piece of clear vinylite over the section of the print of the map manuscript on which the test was run and taking off the elevations. Detail, like road intersections, field lines, etc. were traced to be used as control when the vinylite was placed on the contoured photographs. Accurate evaluation could not be determined as the photographs are of poor scale. It is suggested that a projector, or other machine, be used to take out this scale difference, for making the comparison.

Visual comparison indicates the contours to be within accuracy requirements.

22 June 1951 Submitted by:

William H. Shearouse H. 793

William H. Shearouse

Cartographer

For vertical accuracy test, refer to report (
Field completion and Contour Revision Report) by
H. R. Cravat.

### Field Completion

And

### Contour Revision Report T 9396

The planimetry of this map was field edited in the spring and summer of 1950. This report particularly includes the field edit of contours, drainage and the planimetric changes occurring subsequent to the field edit of planimetry.

Methods:

Prior to field work the original field contour photographs were examined. Areas in which the original planetable control appeared to be weak, were examined in the field, either visually or by planetable methods.

The planetable work was done on 8 field edit sheets, (double weight prints of the map manuscript), or on aerial photographs that are cross indexed to the field edit sheets. All additions and changes that are to be made on the map manuscript are indicated on either the field edit sheets or the photographs.

The photographs used in making this survey are distinguished from the original field photographs in that all work is in red ink and the photographs boldly labeled 1952 REVISION PHOTOGRAPH.

The following headings supplement but do not supersede the same headings discussed previously in the descriptive report.

Contours and Drainage:

Numerous contour changes were made on the field edit sheets, and several areas were completely recontoured on the 1952 revision photographs.

All perennial drainage has been classified and delineated on the field edit sheets.

The swamp limits were completely revised on the field edit sheets.

Geographic Names:

Changes in Geographic Names are recommended as follows:

1. Change the placement of the name Queen Creek to Pasture
Branch, and add the name Queen Creek to the main tributary of
the stream, leading north across North Carolina Hwy. No. 24, to
an abandoned grist mill. This grist mill was at the head of
navigation on Queen Creek, prior to silting.

These data were furnished by local residents as follows:

Mr. Lee Rogers

Mr. Roy Henderson

Mr. John Starling

" 50 " " "

" 30 " "

### Geographic Names Continued:

2. Delete the name Jones Landing -- In the past when travel was by water, the name Jones Landing applied to the boat landing on Queen Creek at the terminus of the road, and not an interior feature as indicated on the map. This landing is in a state of ruins, abandoned, and no more prominent than any of several along the Creek.

These data were furnished by local residents as follows:

Mr. H. J. Jones Resident of 50 yrs. Swansboro, N. C.

Mr. Roy Odum " 20 "

Mr. Roy Henderson " " 50 " Hubert, N. C.

### Junctions:

To insure a satisfactory contour junction with future surveys, on the north, a planetable traverse was completed along north latitude 34-45. In the areas of contours elevations were marked on the field edit sheets at 500 ft. intervals and at all changes in slope.

### Vertical Accuracy:

The vertical accuracy of this map as corrected on the field edit sheets, complies with National Map Accuracy Requirements.

In addition to the extensive planetable revision surveys, two vertical accuracy tests were made. The testing was by planetable profile methods. Forty five points were tested, of which 91% were within a tolerance of less than  $\frac{1}{2}$  contour interval of error.

### Misc.:

The Federal Government is planning the construction of a railroad from Camp Le Jeune, extending northeastward across this quadrangle. At the time of this survey the Department of Public Works had completed a tenative route survey on the ground, and preparations were underway for the acquisition of the land.

This party completed a closed planetable traverse over the brushed out line of the tenative route survey, and marked elevations on the field edit sheet at 500 ft. intervals and at all changes in slope on the field edit sheets. This planetable traverse was essentially completed because it afforded access for checking the original field contours in the densly wooded areas, and not as a basis for delineating the railroad.

Construction problems will result in various realignments and contour changes that cannot be anticipated at this early date. For the correct protrayal of the railroad and related features a field survey subsequent to construction would be required. The planetable traverse can be used however for delineating, "Location of Proposed Railroad".

Submitted 10 March 1952

arland R Cravat Cartographer

### -50 - PHOTOGRAMMETRIC OFFICE REVIEW T. 9396

	1. Projection and grids $QCR_2$ . Title $QCR_3$ . Manuscript numbers $QCR_4$ . Manuscript size $QCR_4$
	CONTROL STATIONS
	5. Horizontal control stations of third-order or higher accuracy <i>QCR</i> 6. Recoverable horizontal stations of less
	than third-order accuracy (topographic stations) $\frac{QCR}{2}$ 7. Photo hydro stations $\frac{QCR}{2}$ 8. Bench marks $\frac{QCR}{2}$
	9. Plotting of sextant fixes10. Photogrammetric plot report $Q \in R$ 11. Detail points $Q \in R$
	ALONGSHORE AREAS
	(Nautical Chart Data)
	12. Shoreline QCR 13. Low-water line QCR 14. Rocks, shoals, etc. QCR 15. Bridges QCR 16. Aids
	to navigation $Q CR$ 17. Landmarks $Q CR$ 18. Other alongshore physical features $Q CR$ 19. Other along –
	shore cultural features $Q \subseteq R$
	PHYSICAL FEATURES
	20. Water features $QCR$ 21. Natural ground cover $QCR$ 22. Planetable contours $QCR$ 23. Stereoscopic
l	instrument contours 24. Contours in general $\frac{\mathcal{GCR}}{25}$ . Spot elevations $\frac{\mathcal{GCR}}{26}$ . Other physical
	features ACR
٠.,	CULTURAL FEATURES
	27. Roads $QCR$ 28. Buildings $QCR$ 29. Railroads $QCR$ 30. Other cultural features $QCR$
	BOUNDARIES
	31. Boundary lines <u>GCA</u> 32. Public land lines
	MISCELLANEOUS
	33. Geographic names $GCR$ 34. Junctions $GCR$ 35. Legibility of the manuscript $GCR$ 36. Discrepancy
	overlay $GCR$ 37. Descriptive Report $GCR$ 38. Field inspection photographs $GCR$ 39. Forms $GCR$
	40. albut C. Pauck fr. hom / Cishel
	Reviewer Supervison Review Section or Unit Freview of manuscript competeted ofter application of field edit. July 24, 1952 9.C.A
	41. Remarks (see attached sheet) This manuscript has never been adequately
	reviewed due to urgent need of this survey by the Wash office. Several
	reviewed due to urgent need of this survey by the Wash office. Several items are listed under Notes for Reviewer for Wash office disposition. a. C. B.
	42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The
<b>.</b>	manuscript is now complete except as noted under item 43.
, .	Bernie Wilm J Council Servisor Supervisor
	43. Remarks: Field edit of contours yet to be applied. M.2623-12
	43. Remarks: Field edit of contours yet to be applied.  Field edit of contours Confleted 7/24/52 (2)

## Review Report T-9396 Topographic Map 7 January 1953

### 62. Comparison with Registered Topographic Maps .-

T-1291	(1872)	1:20,000
T-5048,St	ipp.1933	1:20,000
	1933	1:20,000
T-6003	1933	1:20,000
T-6004	1933	1:20.000

A comparison of the new map with the old topographic surveys shows that numerous cultural changes have taken place. The more notable ones are the addition of new buildings and roads.

For nautical charting purposes the old surveys are superseded by the new map (T-9396).

### 63. Comparison with Maps of Other Agencies .-

H.O. Misc. 15, 042-50-N1; Edition 1948; ; 1:50,000 Maysville Quadrangle, AMS, Edition 1948, 1:50,000 Swansboro Quadrangle, AMS, Edition 1948, 1:50,000

The south side of the island, which confronts the ocean, between Bear and Bogue Inlets is an area of shifting sand dunes, and not a marsh area as indicated on the Swansboro Quadrangle. Again with reference to the Swansboro Quadrangle (contour interval - 20 feet), it was noted that in several areas 40-foot contours were not shown. The 20-foot contours in several cases are not in good agreement.

### 64. Comparison with Contemporary Hydrographic Surveys .- None

### 65. Comparison with Nautical Charts .-

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Chart No. 833, 21 January 1952, 1:40,000 Chart No. 1234, 27 October 1952, 1:80,000
```

Changes in the location of channel and shallow areas were found. However, it should be noted that the channel and shoal areas are subject to change.

- 66. Adequacy of Results and Future Surveys.-This map complies with the project instructions and the National Map Accuracy Standards.
- 67. Boundaries.-Although the boundary limits of the Croatan National Forest have been indicated on the map manuscript, it should be noted that the boundary lines shown are the proposed boundary lines. This statement is made in view of the fact that all lands within the proposed limits have not been acquired by the Federal Government.

Reviewed by:

Charles Hannich
Charles Hanavich

Chief, Review Section
Div. of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts and

Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

### -48- GEOGRAPHIC NAMES

### T-9396

	Atlantic Ocean
7	Bear Creek (Town)  Bear Creek Baptist *  Bear Creek Church *  Bear Creek Church *  Bear Creek Methodist Church (from fieldedit; used instead of Zion Chapsel Bear Inlet  Bell Swamp.  Camp Ledeune *  This name from Map showing Reservation Boundary Camp Ledeune, N.C.  Carteret County  Cartwheel Creek County  Cow Channel  Cow Channel
,	· Dicks Creek / · Elm Landing . · Great Neck Landing . • Goose Creek
	Hergetts Creek Holland Mill Creek Holland Pt. N/2 (white Oak Holland Pt. S/2 (aneer Cr) Hubert
,	Jones Landing  Jones Landing  * These names added to list  Mill Creek  Mill Creek  N.C. 24  N.C. 172 *  Onslow County  Onslow County
6 #	Parrot Swamp Pasture Branch * Piney Grave Church * Queen Creek * Piney Grave Church * Satinders Creek
0 0	Saunders Island Shell Rock Landing Silverdale Road Sneads Ferry Road Sneads Ferry Road Starretts Meadows Starretts Meadows Swansboro Township * Webb Creck * White Oak River white Oak Township * Willis Landing
	Zion Chapel (from Names Inspection; replaced with BEAR CREEK METHODIST CHURCH from field edit)

### 49. NOTES FOR THE HYDROGRAPHER

The following list of recoverable topographic stations are within this survey:

Bogue Sound Light 48, 1950 (new position, old light moved)
Bogue Sound Light 49, 1950
Queen Creek Daybeacon 51, 1950
Queen Creek Daybeacon 53, 1950
Saunders Creek Light, 55, 1950
Bear Creek Light 58, 1950
Queen Azimuth Mark, R.M. 3 (1933), 1950
Russell Azimuth Mark, R.M. 1 (1932) 1950
TOWER, 1950

Form 567 April 1945

## DEPARTMENT COMMERCE

U. S. COAST AND GEODETIC SURVEY

# NONFLOATING AIDS OR EMDINARES FOR CHARTS

STRIKE OUT ONE TO BE CHARTED

Baltimore, Maryland

February

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

The positions given have been checked after listing by 5 342

albert C. Rauch.

Hubert A.

Chief of Party.

AFFECTE CHARTS 833 833 = OFFSHORE CHART ІИЗНОВЕ СНУВІ X LOCATION 1950 1933 DATE = \* . OF Air photo METHOD OF LOCATION AND SURVEY No. Triange letion \* = = DATUM \* \* \* 49.70 1266 D. P. METERS 1368 31.92 505 20.08 131.9 LONGITUDE 00 00 10 12 POSITION 80 07 17 17 0 D. M. METERS 3627 621 414 1330 S4,02 6401 1735 20.15 LATITUDE 38 39 97 3 3 0 34 S.A. 34 SIGNAL daymk. with yellow bor.on white pile. QUEEN CREEK DAYBEACON 51, Black sq. daymk with yellow border on pile. q. daymk with yellow border on pile BEAR CREEK LIGHT 58. Red triangula SOGUE SOUND LICHT 48. White pile QUEEN CREEK DAYBEACON 53. Black BOGOF Sound LIGHT 49, White structure, red tankhouse DESCRIPTION STATE NORTH CAROLINA. CHARTING 44.55 51 DAYBN. 14.49 LT. 48 II.

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

Form 567 April 1945

## DEPARTMENT F COMMERCE

U. S. COAST AND GEODETIC SURVEY

# NONELOAKRINGWAIDSCOR LANDMARKS FOR CHARTS

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Chief of Party.

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100000000000000000000000000000000000000	NORTH CAROLINA	G DESCRIPTION	Observation Tower. skeleton, wood					Not. This point		
	STATE	CHARTING	TENNED	TO T						

28 November 1951

To: Comdr. Hubert A. Paton
U. S. Coast and Geodetic Survey
518 East 32nd Street
Baltimore 18, Maryland.

Subject: Compilation of contours - Project Ph-58

Field photographs and other data for the compilation of contours on quadrangle T-9397 are being forwarded to you under separate transmitting letter. Please complete the compilation of the contours on this quadrangle as soon as possible. We would like to start field completion on Project Ph-58 as soon as this quadrangle is ready and by January 1st at the latest. Similar data for T-9396 will be forwarded soon.

Most contours on this quadrangle have been reshaped in the Washington office on acetate overlays taped to the photographs. The contours are to be compiled from the overlays and not from the photographs. The sand dune areas are an exception; no overlays have been prepared and contours of these areas are to be compiled directly from the photographs. Elevations are to be compiled directly from the photographs.

Each overlay is registered to its respective photograph by common planimetric details. In compling the contours the overlays should be taped accurately in position on the photographs and details compiled in the usual manner, with the exception that the contours will be traced from the overlays. We believe that photographic details show through the overlays sufficiently to permit this.

Drainage has already been compiled on the manuscript. Where this drainage conflicts with the contours remove it but do not attempt to revise it. Revision will be made during field edit. No additional drainage need be compiled from the photographs at this stage.

If you have any questions about this please call us; we will be glad to have Mr. Cravat who made the overlays, come to Baltimore, or we will be glad to talk to your supervisor or compiler if you will send him over here.

O. S. Reading Chief, Division of Photogrammetry

### History of Hydrographic Information Quadrangle T-9396 North Carolina

Hydrography was compiled onto the map manuscript in accordance with Division of Photogrammetry General Specifications dated 18 May 1949.

Depth curves and soundings are in feet at mean low water datum and originates with the following:

Nautical Chart 833 1:40,000 1952 Hydrographic Survey H-4767 1:40,000 1927

Hydrography was compiled by C. Theurer and checked by O. Svendsen.

C. Theurer
3 June 1953