

# 9395

N 85

✓

Diag Chts 1234-2 & 1235-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-58 (49) Office No. T-9395

### LOCALITY

State North Carolina

General locality New River

Locality Midway Park, & Camp Lejune

19452

CHIEF OF PARTY

H.F. Garber, Chief of Field Party

Hurbert A. Paton, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE April 7, 1955

B-1870-1 (1)

9395

## DATA RECORD

Page 1

T - 9395

Project No. (II): Ph-58(49)      Quadrangle Name (IV): *Camp Lejune (S/2)*  
*Midway Park (N/2)*

Field Office (II): Holly Ridge, N. C.      Chief of Party: Harry F. Garber  
Jacksonville, N. C.

Photogrammetric Office (III):      Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III): 27 February 1950      Copy filed in Division of  
28 April 1950, Supplement 1      Photogrammetry (IV)  
26 April 1951, Supplement 2      *Office Files*

Method of Compilation (III): Air photographic      Multiplex (planimetry)  
Graphic (contours)

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

Scale Factor (III): 1.000

Date received in Washington Office (IV): *SEP 29 1952*      Date reported to Nautical Chart Branch (IV): *OCT 21 1952*

Applied to Chart No.      Date:      Date registered (IV): *17 Mar 1955*

Publication Scale (IV): *1:24,000*

Publication date (IV):

Geographic Datum (III): N. A. 1927

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): *TRUESDALE, 1932*

Lat.: *34° 43' 01.984"*

Long.: *77° 20' 20.650"*

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State: *N. C.*

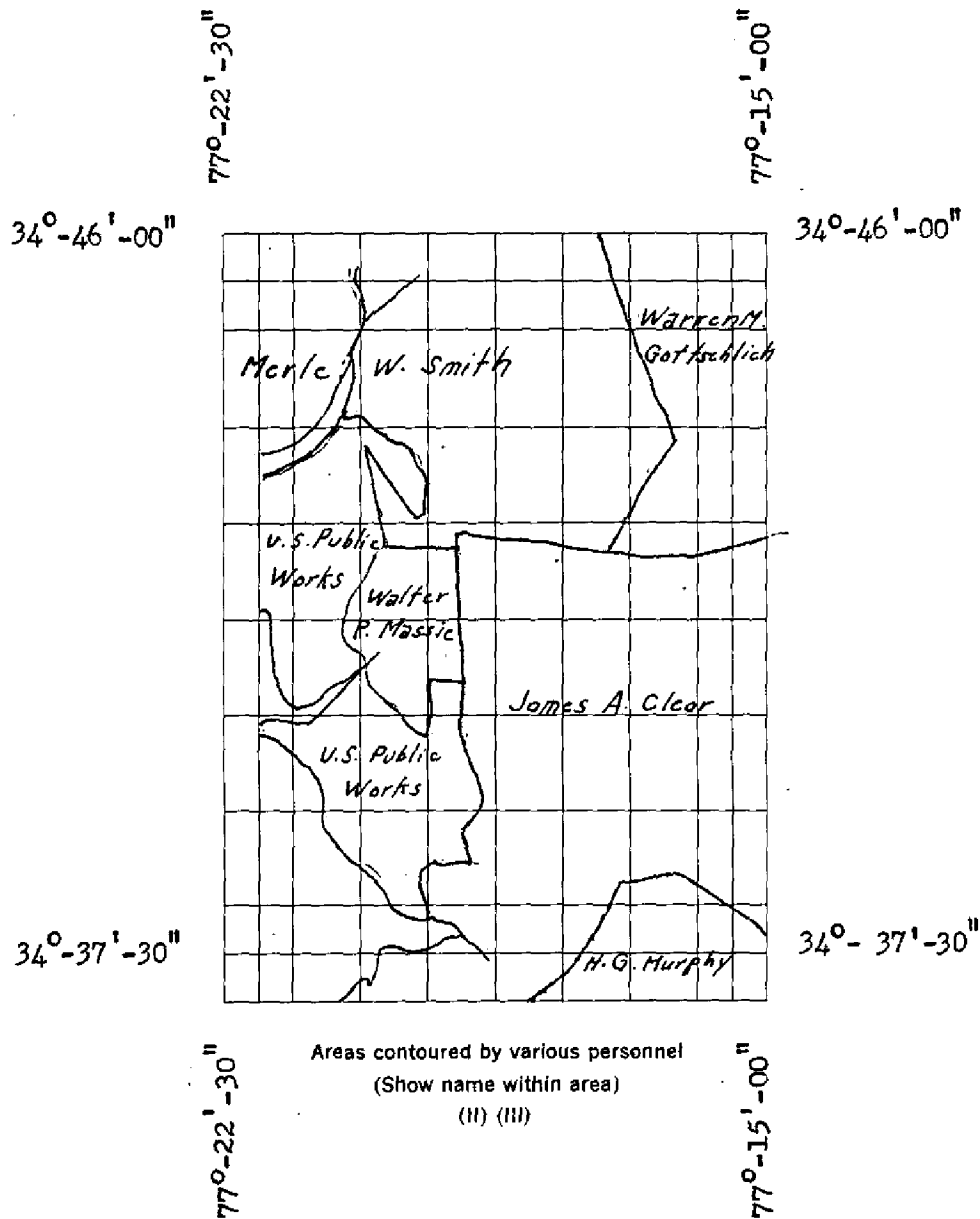
Zone:

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.



# DATA RECORD

Page 3

Field Inspection by (II): J. A. Clear, Jr.  
J. E. Hundley Date: June, 1950

Planetable contouring by (II): J. A. Clear, Jr., W. M. Gottschlich, Date: June, 1951  
W. P. Massie, H. G. Murphy, M. W. Smith,  
U. S. Navy Public Works

Completion Surveys by (II): H. R. Cravat Date: April, 1952

Mean High Water Location (III) (State date and method of location): Feb. 10, 1952 (Photogrammetric)  
Shoreline from previous photography (11/8/49) revised or verified using new  
photographs

Projection and Grids ruled by (IV): T. L. J. Date: March, 1950

Projection and Grids checked by (IV): H. D. W. Date: March, 1950

Control plotted by (III): A. C. Rauck, Jr. Date: April, 1950

Control checked by (III): A. K. Heywood Date: April, 1950

~~Control extension by (III):~~ Stereoscopic A. K. Heywood, A. C. Rauck, Jr. & Date: May, 1950  
Control extension by (III): D. M. Brant

Planimetry A. K. Heywood, Date: May, 1950  
Stereoscopic Instrument compilation (III): A. C. Rauck, Jr. & D. M. Brant  
Contours Date:

Manuscript delineated by (III): North half planimetry: D. M. Brant Date:  
South half planimetry: C. A. Lipscomb June, 1950  
Contours, north and south: J. Y. Councill July, 1952

Photogrammetric Office Review by (III): A. K. Heywood Date: July, 1950  
A. C. Rauck, Jr. Aug., 1952

Elevations on Manuscript H. G. Murphy Date: June, 1951  
checked by (II) (III): A. C. Rauck, Jr. Aug., 1952

Camera (kind or source) (III): U. S. Navy Hydrographic Office--6" focal length Page 4

U. S. C. & G. S. type O (1952) --6" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
2-48---2-56	15 Nov. '49	13:52 E.S.T.	1:24,000	2.8 above MLW
2-71---2-79	"	12:55 "	"	2.2 " "
2-107---2-114	"	12:33 "	"	2.0 " "
2-126---2-134	"	12:10 "	"	1.7 " "

9" X 9" contact photographs:

52-0-69---86	10 Feb. 1952	1:10,000
52-0-103---121	"	"
52-0-129---144	"	"
52-0-168---185	"	"
52-0-190---206	"	"
52-0-235---252	"	"
52-0-258---274	"	"

Tide (III)

Reference Station: Hampton Roads (Sewall Point)  
Subordinate Station: New River Inlet  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	2.5	3.0
1.2	3.0	3.6

Washington Office Review by (IV): *Charles Hanarich*

Date: *10 Feb. 1953*

Final Drafting by (IV): *Robert B. Kelly*  
*Robert B. Kelly*

*T-9395-N*

Date: *3 Aug. 1954*

*T-9395-S*

*7 Oct. 1954*

Drafting verified for reproduction by (IV): *W.O. Hallin*  
*W.O. Hallin*

*T-9395*  
*9396*

Date: *Oct. 1954*  
*Oct. 1954*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *64*

Shoreline (More than 200 meters to opposite shore) (III): *16*

Shoreline (Less than 200 meters to opposite shore) (III): *5*

Control Leveling - Miles (II): *25*

Number of Triangulation Stations searched for (II): *35*

Recovered: *31*

Identified: *17*

Number of BMs searched for (II): *\*None*

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): *4*

Number of Temporary Photo Hydro Stations established (III): *None*

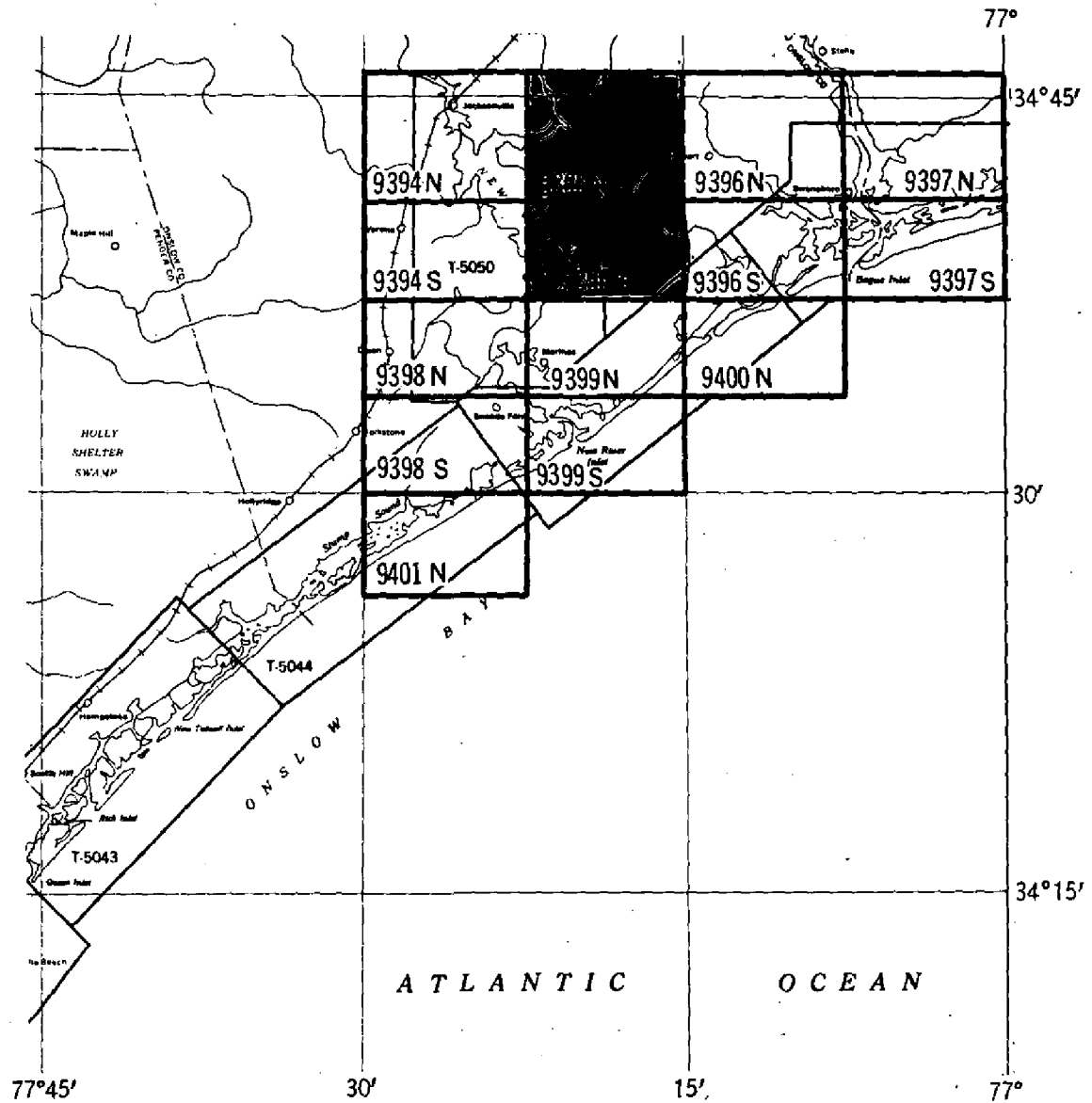
Remarks: There are no known U.S. Coast and Geodetic Survey bench marks. However, the Camp Lejeune Navy Public Works Engineers have established third order elevations on several of their traverse stations and at least one triangulation station (TRUESDALE, 1933). These are listed under the heading "Vertical Control" of this report.

# TOPOGRAPHIC MAPPING PROJECT Page 5

PH-58 (49)

NORTH CAROLINA New River

Scale 1:10,000



Summary T- 9395

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  $77^{\circ} 00'$  and  $77^{\circ} 30'$  northward to latitude  $34^{\circ} 46'$ . 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  $3 \frac{3}{4}'$  in latitude by  $7 \frac{1}{2}'$  in longitude; the exception to this is in the northern tier of 4 sheets (T-9344N to T-9397N inclusive) which are  $4 \frac{3}{4}'$  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.

FIELD INSPECTION REPORT  
Quadrangle T-9395  
Project Ph-58(49)

Harry F. Garber, Chief of Party

2. AREAL FIELD INSPECTION

About two thirds of the area is a government reservation and is occupied by the Marine Corps. It is utilized as Camp Lejeune headquarters. Also, there are the residential, industrial, magazine, and a number of firing range areas. The northern third is wooded and has farming areas.

New River is at the west limit and the terrain is rolling near its shores. To the east the land flattens out somewhat.

North Carolina State Highway No. 24 crosses the northern half in an east-west direction. Within the Base there are numerous hard-surfaced and many secondary and tank-training roads.

Midway Park, devoted to housing of civilian and military personnel of Camp Lejeune, is the only town and it is controlled by the Marine authorities. It lies in the northwestern part of the quadrangle.

Field inspection is complete. No difficulty was encountered in photographic interpretation and notes were made on the photographs to aid the compiler. Reference is made to the Field Inspection Report for Quadrangle T-9394 for a discussion of photographic tone.

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

3. HORIZONTAL CONTROL

Four unmarked traverse stations were established as supplemental control for the photogrammetric plot. They were established as a part of a traverse run between station Hubert, 1932, and Mill (U.S.E.), 1933, and were named HM-2, HM-3, HM-4, and HM-5. All of them fall just north of the project limit.

Twenty three third-order traverse stations established by the Marine Corps were recovered and identified or used as azimuth stations. They are as follows:

Mon. 15 (U.S.N.)  
 Mon. 39 (U.S.M.C.)  
 Mon. 42 (U.S.M.C.)  
 Mon. 43 (U.S.M.C.)  
 Mon. 50 (U.S.M.C.)  
 Mon. 50 (U.S.N.)  
 Mon. 67 (U.S.M.C.)  
 Mon. 105 (U.S.M.C.)  
 Mon. 186 (U.S.M.C.)  
 Mon. 300 (U.S.M.C.)  
 Mon. 321 (U.S.M.C.)  
 Mon. 333 (U.S.M.C.)  
 Mon. 384 (U.S.M.C.) = Bluff, 1945  
 Boundary Marker V (U.S.N.)  
 Boundary Marker XIV (U.S.N.)  
 Boundary Marker XV (U.S.N.)  
 200,000 Gal. Water Tank, L.C.H. (U.S.M.C.)  
 300,000 Gal. Water Tank, (U.S.M.C.)  
 300,000 Gal. Water Tank, Area 1 (U.S.M.C.)  
 300,000 Gal. Water Tank, Area 5 (U.S.M.C.)  
 Parachute Tower 2 (U.S.M.C.)  
 Parachute Tower 3 (U.S.M.C.)  
 Spike, Intersection Sneads Ferry and Michael Roads (U.S.M.C.)

*These are used as stations; see note below for their station names.*

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

Bluff (U.S.E.), 1931  
 French (U.S.E.), 1931  
 Grey (U.S.E.), 1932  
 Rhodes (U.S.E.), 1931

#### 4. VERTICAL CONTROL

There are no U.S. Coast and Geodetic Survey bench marks. Most of the monumented Marine Corps traverse stations listed under Horizontal Control have third-order elevations established on them. They were used to control the contouring or as starting elevations for fly-level lines.

*Note: Camp Lejeune, Area I, Water Tank, 1950*

*" " " 2, " " "*  
*" " , Parachute Tower No. 2, 1950*  
*" " " " No 3, "*

In addition to those already listed, the following U.S.M.C. bench marks (traverse stations) were recovered during contouring and used for vertical control only:

Mon. 126 (U.S.M.C.)  
Mon. 309 (U.S.M.C.)  
Mon. 360 (U.S.M.C.)  
Mon. 419 (U.S.M.C.)  
Sine 1941 USMC 400 (U.S.M.C.)

Recovery notes for these stations are submitted on Form 526 with elevations recorded thereon.

Approximately 25 miles of fly-levels were run to provide supplemental control for contouring. Forty three checked spot elevations were established, points being numbered 9501 through 9543.

Levels were also run in connection with the traverse across the north edge of the quadrangle.

#### 5. CONTOURS AND DRAINAGE

Standard planetable methods were used and the contouring done of the 1:10,000 scale photographs.

Approximately nine square miles in the industrial and adjacent developed areas of Camp Lejeune were contoured by the U.S. Navy Public Works Engineers. Their contouring was done on a scale of one inch equals fifty feet and the interval of one foot. Their contour sheets were reduced to a scale of 1:10,000 and the contours transferred to a heavy-weight print of the planimetric map manuscript. The contours were tested and found to be very accurate and shown in minute detail. When transferring these large-scale contours to the map manuscript the compiler should keep in mind the different scales upon which their work and ours was accomplished, and attempt to show a reasonable uniformity in the relief expression of the two works.

Drainage was compiled in connection with the planimetric maps furnished the Hydrographic Office in August, 1950. After completion of contours a positive film print of the planimetric manuscript was furnished the field party. Drainage was revised where found to need correction as brought out by the contouring. This positive print has been labeled "Drainage Overlay".

6. WOODLAND COVER

The high ground cover is mostly pine. There is some oak on the sand ridges. The drains are wooded with deciduous trees and a scattering of cypress and pine.

In the flatter section some of the area is covered by high-ground swamps which are saucer-like depressions vegetated with brush, briars, vines, and scrub trees. These areas flood during rainy seasons and hold water a large part of the year.

7. SHORELINE AND ALONGSHORE FEATURES

The high-water line was inspected and labeled on the photographs. At the same time the alongshore structures were labeled. Tide in this New River area is negligible and low-water line was not indicated.

8. OFFSHORE FEATURES

None.

9. LANDMARKS AND AIDS

Form 567 was submitted for the project.

10. BOUNDARIES, MONUMENTS AND LINES

A special project report was submitted on this subject.

11. OTHER CONTROL

Four recoverable topographic stations were established. They are:

Acre, 1950  
Cone, 1950  
Corn, 1950  
Pole, 1950

12. OTHER INTERIOR FEATURES

Roads, buildings and all interior structures were inspected and classified in accordance with current instructions.

In connection with the rapidly expanding military program, many new structures and roads are being built in this area. Should it be considered desirable to bring the map up to date before publication, the Officer in Charge of the Navy Public Works Office at Camp Lejeune should be contacted.

13. GEOGRAPHIC NAMES *on file 654*

This is the subject of a special report covering the project and was submitted to the Washington Office in June, 1950.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

There are no supplemental data for this quadrangle.

Special reports for the project are: Boundaries, Geographic Names, Landmarks for Charts, and Non-floating Aids.

Field inspection and edit of planimetry data were submitted to the Baltimore Photogrammetric Office under Transmittals No. 2, dated 28 March 1950; No. 11, dated 22 May 1950; No. 21, dated 6 July 1950; and, No. 24, dated 20 July 1950.

22 June 1951  
Submitted by:

*William H. Shearouse*

William H. Shearouse *H. F. S.*  
Cartographer

13 July 1951  
Approved by:

*Harry F. Garber*

Harry F. Garber  
Commander, USC&GS  
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT

Filed as part of the Descriptive Report

for T-9401

MAP T- 9395

PROJECT NO. Ph-58(49)

SCALE OF MAP 1:10,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
BOUNDARY MARKER VI, (USN)	USMC P.4	N.A. 1927	359,994.83 2,500,243.31	1522.4	(1.6)				
BOUNDARY MARKER VII, (USN)	"	"	359,995.08 2,500,817.75	1522.5	(1.5)				
BOUNDARY MARKER VIII, (USN)	"	"	359,136.47 2,501,240.80	1260.8	(263.2)				
BOUNDARY MARKER IX, (USN)	"	"	358,707.56 2,501,599.84	378.2	(1145.8)				
BOUNDARY MARKER X, (USN)	"	"	359,174.66 2,502,694.32	1130.1	(393.9)				
BOUNDARY MARKER XI, (USN)	"	"	357,995.32 2,502,743.86	487.6	(1036.4)				
BOUNDARY MARKER XII, (USN)	"	"	357,853.41 2,503,723.75	1272.4	(251.6)				
BOUNDARY MARKER XIII, (USN)	"	"	358,738.14 2,504,218.04	821.2	(702.8)				
BOUNDARY MARKER XIV, (USN)	"	"	357,782.24 2,504,212.26	913.0	(611.0)				
BOUNDARY MARKER XV, (USN)	"	"	356,875.52 2,504,109.19	836.3	(687.7)				
BOUNDARY MARKER XVI, (USN)	"	"	356,742.28 2,503,899.75	869.7	(654.3)				
BOUNDARY MARKER XVII, (USN)	"	"	356,381.78 2,503,854.70	1135.0	(389.0)				
BOUNDARY MARKER XVIII, (USN)	"	"		1139.4	(384.6)				
BOUNDARY MARKER XIX, (USN)	"	"		1285.7	(238.3)				
BOUNDARY MARKER XX, (USN)	"	"		848.0	(676.0)				
BOUNDARY MARKER XXI, (USN)	"	"		1283.9	(240.1)				
BOUNDARY MARKER XXII, (USN)	"	"		571.7	(952.3)				
BOUNDARY MARKER XXIII, (USN)	"	"		1252.5	(271.5)				
BOUNDARY MARKER XXIV, (USN)	"	"		531.0	(993.0)				
BOUNDARY MARKER XXV, (USN)	"	"		1188.6	(335.4)				
BOUNDARY MARKER XXVI, (USN)	"	"		421.2	(1102.8)				
BOUNDARY MARKER XXVII, (USN)	"	"		1174.9	(349.1)				

1 FT. = 3048006 METERS  
COMPUTED BY: H.P. Eichert

DATE 6/50

CHECKED BY: A.K. Heywood

DATE

6/14

M-2388-12

MAP T. 9395

PROJECT NO. Ph-58(49)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -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)
TRUESDALE, 1932	G.P. P.11	N.A. 1927	34 43 01.984 77 20 20.650	61.1 (1787.8) 525.4 (1001.3)			
BOUNDARY MARKER, XV, <del>(USN)</del>	USMC P.4	"	357,537.84 2,504,583.19	773.5 (750.5) 1397.0 (127.0)			
MON. 15, <del>(USN)</del>	" P. 2	"	360,948.12 2,500,664.00	289.0 (1235.0) 202.4 (1321.6)			
MON. 39, <del>(USMC)</del>	" P.4(R)	"	355,973.33 2,503,239.70	296.7 (1227.3) 987.5 (536.5)			
MON. 43, <del>(USMC)</del>	" P.4(R)	"	353,161.18 2,514,631.44	963.5 (560.5) 1411.7 (112.3)			
MON. 50, <del>(USN)</del>	" P.10	"	326,914.73 2,499,530.57	583.6 (940.4) 1380.9 (143.1)			
MON. 105, <del>(USMC)</del>	" P.10	"	324,781.89 2,512,060.11	1457.5 (66.5) 627.9 (896.1)			
MON. 333, <del>(USMC)</del>	" P.2	"	361,323.69 2,494,999.65	403.5 (1120.5) 1523.9 (0.1)			
MON. 384, <del>(USMC)</del>	G.P. P.124	"	34 39 36.034 77 21 24.733	1110.4 (738.5) 629.8 (898.0)	} This station is destroyed.		
SPIKE INT.S.F. MICHAEL RDS., <del>(USMC)</del>	G.P. P.6	"	340,352.01 2,503,347.62	107.3 (1416.7) 1020.4 (503.6)			
MON. 42, <del>(USMC)</del>	G.P. P.4(R)	"	353,877.55 2,512,121.00	1181.9 (342.1) 646.5 (877.5)			

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1 FT. - 3048006 METER

COMPUTED BY: Henry P. Eichert

DATE 3/50

CHECKED BY: A.C. Rauck, Jr.

DATE 4-50

M. 2388.12

MAP T-9395

PROJECT NO Ph-58(49)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-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)
MON. 300 (USMC)	USMC P.2	N.A. 1927	361,781.50 2,495,550.34	543.0 (981.0) 167.7 (1356.3)			
MON. 321 (USMC)	"	"	356,214.65 2,502,284.36	370.2 (1153.8) 696.3 (827.7)			
BOUNDARY MARKER V (USN)	"	"	361,612.98 2,500,959.14	491.6 (1032.4) 292.3 (1231.7)			
BOUNDARY MARKER XIV (USN)	"	"	358,622.25 2,504,571.38	1104.1 (419.9) 1393.4 (130.6)			
COMPLETEUNE PARACHUTE TOWER 2, 1950	G-8889 P.638	"	340,401,430.8 342,140.06 2,499,151.13	652.2 (871.7) 1265.3 (258.7)			
HIGH R.M. No. 2 1932	Computed from Spec.Pub. 192	"	34° 41' 77 22'	1710.7 (138.2) 673.1 (853.9)			
MON. 186 (USMC)	(USMC) P.10	"	326,577.92 2,499,299.96	481.0 (1043.0) 1310.6 (213.4)			
MON. 50 (USMC) (FOREST FIRE OBS. TR.)	(USMC) P.4	"	354,694.67 2,524,604.95	1430.9 93.1 1403.6 120.4			
HM. No. 2, 1950	Field Comp.	"	377,531.75 2,521,283.09	771.7 (752.3) 391.1 (1132.9)			
HM NO. 3, 1950	"	"	376,423.35 2,516,062.23	433.8 (1090.2) 323.8 (1200.2)			
HM No. 4, 1950	"	"	375,172.08 2,503,150.60	52.4 (1471.6) 960.3 (563.7)			
HM No. 5, 1950	"	"	375,638.34 2,493,700.60	194.6 (1329.4) 1127.9 (396.1)			

stations plot just north of  
project limits. These are  
temporary stations established  
for additional control of  
the radial plot.

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1 FT. = 3048006 METER

COMPUTED BY: H.P. Eichert

DATE 4/50

CHECKED BY: A.C. Rauck, Jr.  
L.A. SenasackDATE 4-50  
5-50

M-2388-12

MAP T-9395

PROJECT NO. Ph-58(49).

SCALE OF MAP..... 1:10,000'

SCALE FACTOR: 1.000

## STATION

SOURCE OF  
INFORMATION  
(INDEX)

DATUM

Field *	Comp
---------	------

N.A.  
1927

SOUTHWEST RADIO  
TOWER, 1950

82

SOUTHEAST

1998

NEW RIVER LT. 32,  
1950

18

NEW RIVER DAYBN.  
31, 1950

11

NEW RIVER LT. 29,  
1950

68

~~CUPOLA, USN~~

~~HOSPITAL, 1950~~  
Cupa, A. 1950

11

1 FT. = .3048006 METER

COMPUTED BY:

B. W. Wilson

DATE \_\_\_\_\_

11/15/50

CHECKED BY: H. P. Eichert

DATE 11/50

M-2388.12

MAP T. 9395

SCALE OF MAP  
1:10,000

SCALE FACTOR 1.000

[illegible]

Page 16

M-2388-12

DATE 6/14 and 7/50

CHECKED BY: A.K. Heywood and  
L.A. Senasack

DATE 6/50

1 FT. = 3048006 METER  
COMPUTED BY: H. P. Eichert and  
A. K. Haywood

MAP T. 9395

PROJECT NO. Ph-58(49)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
PARACHUTE TOWER 3 (U.S.M.C.) 1950 <i>Camp L. L. Ineavever</i>	U.S.M.C. P. 638 <i>6-8889</i>	N.A. 1927	34° 43' 52.35" 2,497,137.24	41° 57' 35" 19,263	1081.9 651.4	(442.1) (872.6)					
SPRING (U.S.E.) 1931	G.P. P. 124	"	34 38 77 22	41.579 19.263	1281.2 490.6	(567.6) (1037.5)					
MON. 67 (U.S.M.C.)	U.S.M.C. P. 5	"	345,087.36 2,489,689.07		26.6 1429.2	(1497.4) (94.8)					
200,000 GALLON WATER TANK ICH	U.S.M.C. P. 2	"	360,808.98 2,499,051.52		246.6 1234.9	(1277.4) (289.1)					
300,000 GALLON WATER TANK, USMC	U.S.M.C. P. 6	"	340,412.82 2,501,385.96		125.8 422.4	(1398.2) (1101.6)					
300,000 GALLON WATER TANK AREA 1 <i>USMC</i>	U.S.M.C. P. 8 <i>6-8889</i>	"	339,791.76 2,495,857.00	34° 40' 26.39" 19° 21' 02.83"	1460.5 261.2	(63.5) (1262.8)					
300,000 GALLON WATER TANK AREA 5 <i>USMC</i>	U.S.M.C. P. 8 <i>6-8889</i>	"	334,921.22 2,499,539.22	34° 39' 31.59" 19° 20' 19.73"	1500.0 1383.6	(24.0) (140.4)					
BOUNDARY MARKER I (USN)	USMC P. 2	"	362,252.54 2,494,805.20		686.6 1464.6	(837.4) (59.4)					
BOUNDARY MARKER II (USN)	USMC P. 2	"	363,068.72 2,495,694.47		935.3 211.7	(588.7) (1312.3)					
BOUNDARY MARKER III (USN)	"	"	362,086.27 2,498,003.69		635.9 915.5	(888.1) (608.5)					
BOUNDARY MARKER IV (USN)	"	"	362,456.04 2,499,062.62		748.6 1238.3	(775.4) (285.7)					

Page 17

1 FT. = 3048006 METER

COMPUTED BY: W. L. Ineavever

DATE May 1950

CHECKED BY: A. K. Heywood

DATE

6/14/50

M. 2388-12

COMPILATION REPORT

T-9395

PHOTOGRAMMETRIC PLOT REPORT

Refer to Descriptive Report T-9401

31--DELINEATION

Refer to item 31 of Descriptive Report T-9397 and item 22 of Photogrammetric Plot Report.

32--CONTROL

Refer to item 3 and 4 of Field Inspection Report and item 23 of Photogrammetric Plot Report.

33--SUPPLEMENTAL DATA

Map showing Reservation Boundary, Camp LeJeune, N. C., sheet 2 of 2.

34--CONTOURS AND DRAINAGE

Refer to item 5 of Field Inspection Report, and ~~Notes~~ *Field completion and Contour Revision Report T-9395* by Harland R. Cravat. Also see "Contour Revision and Field Completion Report, Project Ph-58 (49), New River, N.C." submitted with report for T-9394.

35--SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate for compilation. No low water lines have been delineated. Shallow lines are compiler's interpretation.

Refer to item 22 of Photogrammetric Plot Report and item 7 of Field Inspection Report.

36--OFFSHORE DETAILS

These data are complete, although "none" are indicated in the field report.

37--LANDMARKS AND AIDS

Eight landmarks and three fixed aids to navigation are within this survey. All are triangulation stations.

### 38--CONTROL FOR FUTURE SURVEYS

Four recoverable topographic stations were established and plotted by multiplex. Positions and descriptions are herewith submitted on forms 524. They are listed under item 49 of this report.

### 39--JUNCTIONS

To the north is the limit of the project and no contemporary survey. Junctions have been made as follows:

To the east, with survey No. T-9396.

To the south, with survey No. T-9399.

To the west, with survey No. T-9394.

### 40--HORIZONTAL AND VERTICAL ACCURACY

*Field Completion and Contour*  
~~Refer to Vertical Accuracy Test, T-9395 and Notes to Compiler T-9395 attached to this report. Also see "Contour Revision and Field Completion Report Project PH-58 (49), New River, N. C." bound under report for T-9394.~~

### 41--BOUNDARIES AND LINES

Boundary lines are shown as follows:

Swansboro--Stump Sound Township.

White Oak--Swansboro Township.

Jacksonville--White Oak Township.

Reservation Boundary, Camp LeJeune.

Refer to Report on Boundaries, Project Ph-58 (49).

### 42--45--Inapplicable.

### 46--COMPARISON WITH EXISTING MAPS

Comparison was made with the following:--U. S. Army, Army Map Service, 15 minute quadrangle, New River, N. C., scale 1:50,000, dated 1948.

Inasmuch as most of this survey lies within the limits of Camp Lejeune, U.S.M.C., the usual growth of military installations was noted.

Differences in contour interval and scale made it difficult to make an adequate comparison. However it is noted that the 5 foot contour interval definitely showed a better representation of topographic features as compared with the 20 foot interval on the quadrangle.

Refer to Notes to Compiler, T-9395 by H. R. Cravat for additional notes on contours. This is bound with this descriptive report.

Comparison was also made with U.S. Coast and Geodetic Survey, Air-Photo Compilation, Sheet No. 5050, New River, N. C., dated 1933, scale 1:20,000.

No military installations are shown on this 1933 compilation. Also not shown are the bridge over Wallace Creek, the major highways traversing the area, and all shoreline structures.

### 47--COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with the following U.S.C. & G.S. chart: Harbor Chart No. 777, scale 1:40,000, published July 1940 (2nd edition) 8/2/48).

Generally the same differences in culture exist in this

comparison.

47--(Cont.)

comparison, particularly as regards military installations. Spoil areas on the chart are not shown on the manuscript.

Items to be applied to nautical charts immediately:

New River Light 29, 1950. Position of this aid is not in agreement with chart. Light is now approximately 200 meters north of charted position off Grey Point. Also apply the new large pier at Grey Point.

Items to be carried forward:

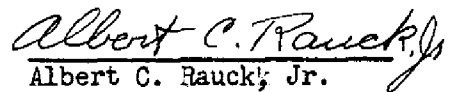
None.

Approved and forwarded



Hubert A. Paton, Comdr. C&GS  
Officer in Charge

Respectfully submitted  
16 September 1952

  
Albert C. Rauck, Jr.  
Cartographer

## 50- PHOTOGRAMMETRIC OFFICE REVIEW

T- 9395

1. Projection and grids AKH 2. Title AKH 3. Manuscript numbers AKH 4. Manuscript size AKH

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy AKH 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) AKH 7. Photo hydro stations — 8. Bench marks Q.C.R. 9. Plotting of sextant fixes Q.C.R. 10. Photogrammetric plot report AKH 11. Detail points AKH

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline AKH 13. Low-water line AKH 14. Rocks, shoals, etc. AKH 15. Bridges Q.C.R. 16. Aids to navigation Q.C.R. 17. Landmarks Q.C.R. 18. Other alongshore physical features Q.C.R. 19. Other along-shore cultural features Q.C.R.

## PHYSICAL FEATURES

20. Water features Q.C.R. 21. Natural ground cover Q.C.R. 22. Planetable contours Q.C.R. 23. Stereoscopic instrument contours — 24. Contours in general Q.C.R. 25. Spot elevations Q.C.R. 26. Other physical features Q.C.R.

## CULTURAL FEATURES

27. Roads Q.C.R. 28. Buildings Q.C.R. 29. Railroads Q.C.R. 30. Other cultural features Q.C.R.

## BOUNDARIES

31. Boundary lines Q.C.R. 32. Public land lines —

## MISCELLANEOUS

33. Geographic names Q.C.R. 34. Junctions Q.C.R. 35. Legibility of the manuscript Q.C.R. 36. Discrepancy overlay Q.C.R. 37. Descriptive Report Q.C.R. 38. Field inspection photographs Q.C.R. 39. Forms Q.C.R.40. AKH

Reviewer

Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

## FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Tudson Council

Compiler

Henry J. Fisher

Supervisor

43. Remarks:

Field Edit Notes, T-9395 N/2

The compilation of this half quadrangle is adequate and will be complete after application of field edit corrections.

The bridge data questioned on the Discrepancy Print is correct. This is a railroad trestle and it has about 25 open spaces, 8 ft. wide and 8 ft. above H. H. W., between boxed piling support. The published bridge data is incorrect. A letter will be written, informing the District Engineer of the discrepancy. The error or difference between clearance above high-water and that published is probably accounted for by that fact that the published clearance is above flood water stage.

In regards to the reviewer's note on the Discrepancy Print, it is believed that the field editor has added sufficient notes to aid the compiler in placing the drainage, swamp and flooded areas in their proper positions.

No edit of geographic names has been made. Official names should be taken from the special report submitted to the Washington Office 22 June.

Field edit information appears on the Field Edit Sheet, Discrepancy Print and the following Field photographs: LEJ-2-49, 51, 52, 75, 76, 77, 78, 108, 109, 110, 111, 130, 131, 133.

*William H. Shearouse*  
William H. Shearouse,  
Cartographer

Jacksonville, N. C.,  
6 July 1950

Field Edit Notes, T-9395 Qv

The compilation of this half quadrangle will be adequate and complete after application of field edit information.

Sketches showing top and elevation of features at the bridge over Wallace Creek (Lat. 34 degrees 40 minutes plus, Long. 77 degrees, twenty-one minutes plus) are submitted.

Special attention should be given to drainage. An effort to improve the pattern by checking fall lines in the field was made, and delineating indicated drains on the photographs in black ink.

Mr. T. J. Dillon, Chief of Surveys, U.S.N. Public Works, Camp LeJeune, N. C., was questioned in regards to horizontal control stations existing near Lat. 34° 39', Long 77° 21'. He stated that BLUFF, 1931 and BLUFF, 1941 had been destroyed, but that before destruction of these stations a new station--BLUFF, 1945, Mon. 384 U.S.M.C.--was established (This is not supposed to be in the same position as BLUFF, 1931, as I previously stated, which was a misunderstanding on my part of what Mr. Dillon told me), which is the only one existing in this vicinity. The correct position of this station has been plotted on the Field Edit Sheet. The original recovery and picking of sub point for this station is absolutely positive and correct. From the correctly plotted position it appears that the sub point as identified, would hold.

No check was made of geographic names. A special report on this particular phase of work, covering the entire project was submitted to the Washington Office June 22, 1950.

Field edit information appears on the Discrepancy Print, Field Edit Sheet and the following photographs: LEJ-2-53, 55, 73, 72, 74, 111, 112, 113, 127, 128, 129.

*William H. Shearouse*  
William H. Shearouse,  
Cartographer

Jacksonville, N. C.  
20 July 1950

VERTICAL ACCURACY TEST

Quadrangle T-9395

Project Ph-58

A test of approximately 1.8 miles was run on the double weight print of the map manuscript between two checked spot elevation points near the northern project limit. It was laid out so as to check the work of topographers Warren M. Gottschlich and Merle W. Smith.

It began vertically at checked spot elevation point 9540 and ended at 9541. The error of closure was 0.97 ft. high and no adjustment was made.

Horizontal origin was at a road intersection. It terminated at the intersection of a road and driveway. Error of closure was 50 feet long. It was not adjusted.

To evaluate the points checked, a piece of clear vinylite was placed over the map print on which the test was run and the obtained elevations pricked on it. Enough detail was traced to hold the vinylite in position on the photographs and the contours on the photographs were thus checked. All contours appear to be well within accuracy requirements except the 25 and 30 ft. at the stream near the middle of the test. These two contours were displaced about 100 feet. They were corrected on the photographs.

22 June 1951

Submitted by:

*William H. Shearouse*

William H. Shearouse 1478.  
Cartographer

Field Completion  
and  
Contour Revision Report T-9395

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 and contours:

The original contours were examined in the Washington Office during the summer of 1951 and tested in the field for shape and accuracy later in the year. After much study and field testing it was concluded that considerable contour revision would be required. It was also concluded that the contour parties were materially handicapped by inferior quality aerial photographs and inexperienced personnel.

Before attempting to revise the contours, the weaknesses, poor photography and inexperienced personnel were remedied by assigning experienced topographers to the project and the procurement of new aerial photographs.

The new photographs were taken February 1952 at approximately 1:10,000 contact scale with the 6-inch focal length cartographic camera. The photographs were superior to the original 1949 Hydrographic Office photography for stereoscopic examination.

The Satisfactory contours were separated from the unsatisfactory contours by either a stereoscopic examination, a visual examination or by planetable traverse methods. The acceptable contours and the corrected contours were blended together by reworking the contours on acetate overlays. A separate overlay was prepared for each original contour photograph, upon which all drainage, swamp limits, and contours were redrawn.

Each original contour photograph served as a base sheet. Acetate overlays were registered to the photographs by special tick marks, and by the tracing of some photographic details. To these overlays additional drainage and revised drainage was traced from the new photographs.

This drainage combined with most of the original field elevations (1), and supplemented by additional planetable revision elevations (2), were used to reshape the contours, using methods similar to examining multiplex work sheets. (Where complete reshaping was required, elevations were lightly penciled on the overlays. A segment of a 1952 photograph was registered under the overlay with the companion photograph oriented above the acetate. The contours in the registered segment of the model thusly controlled by the penciled elevations were drawn directly on the overlay with the aid of a stereoscope.)

- (1) Some of the original field elevations were proved to be in error, particularly in the bottom of draws.
- (2) Field revision elevations are indicated on the original contour photographs in red ink, checked elevations are indicated by circle around the point, and unchecked elevations by an X.

#### 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 original contour photographs at 500 ft. intervals, and at all changes in slope.

#### Vertical Accuracy:

The vertical accuracy of this map as corrected on the acetate overlays, complies with National Map Accuracy Requirements.

In addition to the extensive planetable revision traverses, one vertical accuracy test was made; 91% of the points tested were within a tolerance of less than  $\frac{1}{2}$  contour interval of error.

#### New construction:

The Federal Government is planning the construction of a railroad from Cape Le Jeune, extending northwestward through the quadrangle. At the time of this survey the Department of Public Works had completed a tentative 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 outline of the route survey, and marked elevations on the original contour photographs at 500-foot intervals, and at all changes in slope. This planetable traverse was essentially completed because it afforded access for checking the contours in the densely 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 portrayal 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.

New construction has changed the contours and planimetry in some areas. The most prominent of these areas were revised on the new 1952 photographs and cross-indexed to the applicable acetate overlays. Minor changes such as jeep and tank roads on the "Base" were disregarded.

## Public Works Contours

Overlays were prepared for the U. S. Navy Public Works contours mentioned on page 9 of the descriptive report. These contours were smoothed out to conform with 1:10,000 scale mapping shapes. This smoothing process did not materially affect the vertical accuracy of the contours, but removed the stiffness that is usually present in large scale engineering contours.

## Drainage:

Both perennial and intermittent drainage are indicated on the contour overlays by conventional symbol. In the developed areas of the "Base" all drainage is ditched, as a mosquito control measure. Most of these ditches are a development of the natural drainage and were delineated on the overlays as intermittent drainage.

Submitted  
10 April 1952



Harland R Cravat  
Cartographer

Review Report T-9395  
Topographic Map  
10 February 1953

62. Comparison with Registered Topographic Surveys:

T-4721	(1932-33)	1:10,000
T-4722	(1933)	"
T-4723	"	"
T-4721	"	"
T-5050	"	1:20,000

A comparison of the new map with the old topographic surveys shows that numerous cultural changes have taken place such as the construction of buildings and roads.

For nautical charting purposes the new map (T-9397) supersedes the old surveys.

63. Comparison with Maps of Other Agencies:

New River Quadrangle, AMS, Edition 1948, 1:62,500  
H. O. Misc. 15, 042-50-N1, Edition 1948, 1:50,000

A general comparison shows that the contours are in poor agreement in several areas. New cultural changes were also noted.

64. Comparison with Contemporary Hydrographic Surveys: None

65. Comparison with Nautical Charts:

Chart No. 777, 22 September 1952, 1:40,000

Numerous roads, street layouts, and buildings are not shown on the chart. The spoil areas indicated on the chart opposite Frenchs Creek are not shown on the new map; photographs of the area reveal no indication of their existence.

66. Adequacy of Results and Future Surveys: This map complies with the project instructions and the National Map Accuracy Standards.

67. Vertical Control.- Elevations for the majority of the traverse stations in this area have been established by the USMC or the USN. These elevations have been shown as checked and not as BM elevations, since it could not be determined from the data available if the methods used in establishing these elevations meet the requirements for third-order work or better.

Reviewed by:

  
Charles Hanavich

APPROVED

L. C. Rand 17 Mar 1953  
Chief, Review Section  
Div. of Photogrammetry

H. P. Edmonson  
Chief, Nautical Chart Branch  
Division of Charts *CH*

Max B. Kettles  
Chief, Div. of Photogrammetry  
*67*

Carl O. Weston *B*  
Chief, Div. of Coastal Surveys

48--GEOGRAPHIC NAMES

- Baw Landing
- Bearhead Creek
- Beaverdam Creek
- Brewster Boulevard\*
- Camp Lejeune\*
- Camp Lejeune R.R.
- Camp Lejeune School\*
- Cogdels Creek
- Cowhead Creek
- Duck Creek
- Enon Chapel Baptist Church\*
- Farnell Bay
- First Baptist Church\*
- Frenchs Creek
- Grey Point
- Hadnot Point
- Holcomb Boulevard\*
- Horse Swamp (applies to stream)
- Horse Swamp Pocosin
- Jacksonville Township\*\*
- Jumping Run
- Lloyds Meadow
- Little Northeast Creek
- Kellumtown School\*
- Marshall Chapel
- Marshall Chapel School\*
- Mumfords Mill (from Army Map Service, New River Quad.)
- Midway Park
- Midway Park School\*
- Mott Creek
- New River
- Northeast Creek
- N.C. 24\*
- Onslow County (from County Map)
- Piney Green
- Poplar Creek
- Rhodes Point
- River Drive\*
- Rocky Run
- Spring Point
- Starretts Meadows (also partly east of long 77°15')
- Stone Street\* Expansion
- Stump Sound Township\*\*
- Swansboro Township\*\*
- Trailer Camp

- Union Chapel\*
- Wallace Creek yacht Basin
- Wallace Creek
- Wavell Street\*
- Weil Point
- White Oak Township\*\*
- Winston Road\*

\* These names from field inspection data.

\*\* These names from field edit data.

*no longer exists;  
deletion recommended by project  
Names Report*

*Names underlined in  
red are approved. 1-28-53  
1953,  
L. Heck*

*(Township names agree with  
Census maps)*

49--NOTES FOR THE HYDROGRAPHER

The following is a list of landmarks, fixed aids to navigation and recoverable topographic stations within this survey:

Landmarks:

CUPOLA, U. S. Naval Hospital, painted aluminum (94 ft. high)  
RADIO MAST, Northerly of three, (157 ft. High)  
" " , Easterly " " , (157 ft. high)  
" " , Westerly " " , (158 ft. high)  
PARACHUTE TOWER, Northerly of two, (260 ft. High)  
" " , Southerly " " , (260 ft. high)  
TANK (Elevated), skeleton steel, (150 ft. high)  
(300,000 gal. water tank, Area 1, USMC)  
TANK (Elevated), skeleton steel, (150 ft. high)  
(300,000 gal. water tank, Area 5, USMC)

*Refer to  
Form 567  
for correct  
station de-  
signations.*

Fixed aids to navigation:

LIGHT 29, New River Light 29  
(Black square daymark on pile)  
DAYBEACON 31, New River Daybeacon 31  
(Black square daymark on pile)  
LIGHT 32, New River Light 32  
(Red triangular daymark on pile)

All of the above 11 are triangulation stations.

Recoverable topographic stations:

CORN, 1950  
POLE, 1950  
CONE, 1950  
ACRE, 1950

C O P Y

C O P Y

P.O.Box 64  
Jacksonville, N.C.

12 April 1950

To:      Officer in Charge  
         Baltimore Photogrammetric Office  
         Baltimore, Md.

Subject:    Geographic positions requested by  
         Washington office, Proj. Ph-58(49)

The Washington Office has requested that I furnish you geographic positions for stations PARADISE POINT WATER TANK (U.S.N.) and MON 384 (U.S.M.C.).

PARADISE POINT WATER TANK (U.S.N.) should have been recorded as 200,000 GAL. WATER TANK (U.S.M.C.), as listed under Public Works quadrangle No. 119, and MON 384 (U.S.M.C.) should be BLUFF 1945 384 (U.S.M.C.), as listed under Public Works quadrangle No. 160. (Mr. Dillon of the Public Works engineers states MON 384 was set in the same position as BLUFF, 1931, (USE).

It is regretted that this confusion in our recording has occurred. These stations were used by us before receipt of a listing of correct names from the Public Works engineers.

In this connection I have requested a copy of their quadrangle index sheet which I will send you for use in tying down stations of similar name i.e., 100,000 GAL WATER TANK, FOREST FIRE OBSERVATION TOWER, etc.

Respectfully,

/s/ William H. Shearouse  
Cartographer

cc: Div. of Photogrammetry

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AID~~S~~ FOR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Washington, D. C. 4 Jan. 1953

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

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

Chart letter 542 (1951)

Harry F. Garber

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE									
				°	'	D. M. METERS	°	'	D. P. METERS						
North Carolina	Cupola	(Δ Camp Lejeune, USN Hospital Cupola) 94' high		34	40	32.05	77	22	20.77	N.A. 1927	Tri. T-9395	1950	X		777
	Tower	(Δ Camp Lejeune, North Radio Tower), 157' high		34	40	39.51	77	21	27.81	"	"	"	X		"
	Tower	(Δ Camp Lejeune, Southeast Radio Tower), 157' high		34	40	36.31	77	21	24.99	"	"	"	X		"
	Tower	(Δ Camp Lejeune, Southwest Radio Tower), 158' high		34	40	35.89	77	21	29.76	"	"	"	X		"
	Tank	(Δ Camp Lejeune, Area 1, Water Tank), 150' high		34	40	20.39	77	21	2.83	"	"	"	X		"
	Tank	(Δ Camp Lejeune, Area 5, Water Tank), 150' high		34	39	31.59	77	20	19.73	"	"	"	X		"
	Tower	(Δ Camp Lejeune, Parachute Tower No. 3) 260' high		34	40	57.35	77	20	46.73	"	"	"	X		"
	Tower	(Δ Camp Lejeune, Parachute Tower No. 2) 260' high		34	40	43.08	77	20	22.92	"	"	"	X		"

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.

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
TO BE DELETED

**STRIKE OUT ONE**

Washington, D. C. 4 January, 1945

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

Harry F. Garber

*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.

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-9395

## Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

History of Hydrographic Information  
Quadrangle T-9395  
North Carolina

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

Soundings and depth curves at mean low water datum originate with the following:

USC&GS Hydrographic Surveys

H-5301	1:10,000	1933
H-5302	1:10,000	1933
Nautical Chart 777	1:40,000	1952

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

*Everett W. Ramsey*  
for  
C. Theurer  
5 June 1953