8966

Dive. Cht. No. 537

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. Ph-20(17) Office No. T-[illegible]

LOCALITY

State NORTH CAROLINA

General locality BEAUFORT COUNTY

Locality WASHINGTON

194[illegible]

CHIEF OF PARTY

E.R. McCarthy, Chief of Field Party

[illegible]Campbell, Tampa Photogrammetric Office

LIBRARY & ARCHIVES

DATE August 4, 1953

B-1870-1 (1)

applied to 537 Records 8/30/56 - JFW

DATA RECORD

T 8966

Project No. (II): Ph-20 (47) Quadrangle Name (IV):

Field Office (II): Washington, N.C. Chief of Party: E.R.McCarthy

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 23 July, 1948

Copy filed in Division of Photogrammetry (IV)
Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): OCT 24 1950 Date reported to Nautical Chart Branch (IV): OCT 30 1950

Applied to Chart No. Date: Date registered (IV): 4 Feb 1952

Publication Scale (IV): 1:24000 Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III):

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): CASTLE, 1935

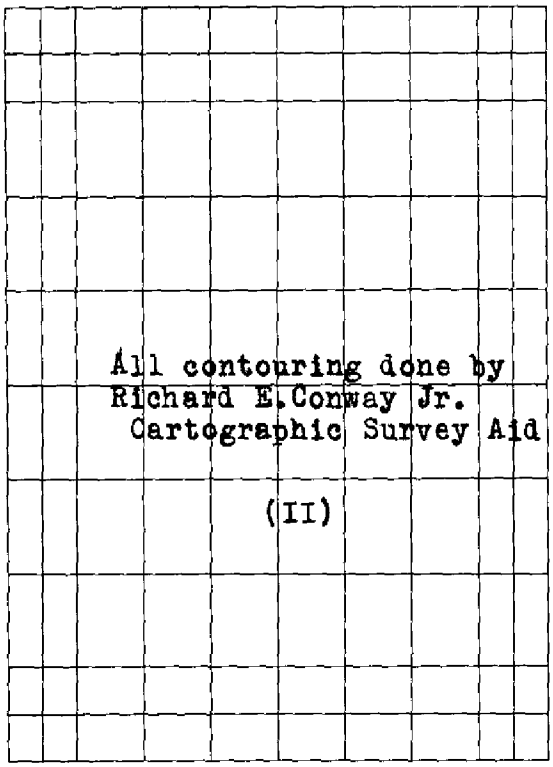
Lat.: 35°32'17".033 (524.9m) Long.: 77°03'20".281 (510.9m) Adjusted XXXXXXXX

Plane Coordinates (IV): Lambert Conformal State: N. C. Zone:

Y= 656,403.57 X= 2,578,412.57

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.



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): Richard E. Conway Jr., Cartographic Survey Aid — Date: Feb. 21, 1949 - to Sept. 19, 1949

Planetable contouring by (II): Richard E. Conway Jr., Cartographic Survey Aid — Date: Feb. 21, 1949 to Sept. 19, 1949

Completion Surveys by (II): James E. Hundley — Date: 18 April, 1951

Mean High Water Location (III) (State date and method of location):
Air Photo Compilation - March 29, 1948

Projection and Grids ruled by (IV): W. E. W. (Wash. Office) — Date: 1 June 1948

Projection and Grids checked by (IV): W. E. W. (" ") — Date: 1 June 1948

Control plotted by (III): R. R. Wagner — Date: 15 Oct. 1948

Control checked by (III): B. F. Lampton — Date: 26 Oct. 1948

Radial Plot ~~or Stereoscopic~~ by (III): M. M. Slavney — Date: 23 Dec. 1949

Stereoscopic Instrument compilation (III): Planimetry inapplicable — Date: ——

Contours — Date: ——

Manuscript delineated by (III): R. R. Wagner — Date: 6 April 1950

Photogrammetric Office Review by (III): J. A. Giles — Date: 30 June 1950

Elevations on Manuscript checked by (II) (III): R. R. Wagner (III) — Date: 5 April 1950

M-2618-12(4)

Camera (kind or source) (III): U S C & G S 9 lens, 8¼" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
22131	29 March 1948	12:08	1:20,000	No tide *
22132	29 March 1948	12:09	"	
22133	"	12:10	"	
22141	"	12:50	"	
22142	"	12:50	"	
22143	"	12:51	"	
22181	"	13:37	"	
4E-87	18 April 1948		1:10,000	(Single Lens U.S.D.A.)
4E-88	"		"	(" " ")

Tide (III)

Reference Station: No periodic tide *

Subordinate Station:

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): Everett H. Ramey Date: 9 Nov 1951

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 55

Shoreline (More than 200 meters to opposite shore) (III): 9 miles

Shoreline (Less than 200 meters to opposite shore) (III): 17 miles

Control Leveling - Miles (II): 60.2

Number of Triangulation Stations searched for (II): 76 Recovered: 42 Identified: 10

Number of BMs searched for (II): 32 Recovered: 27 Identified: 27

Number of Recoverable Photo Stations established (III): 4

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

Remarks: One third-order bench mark established.

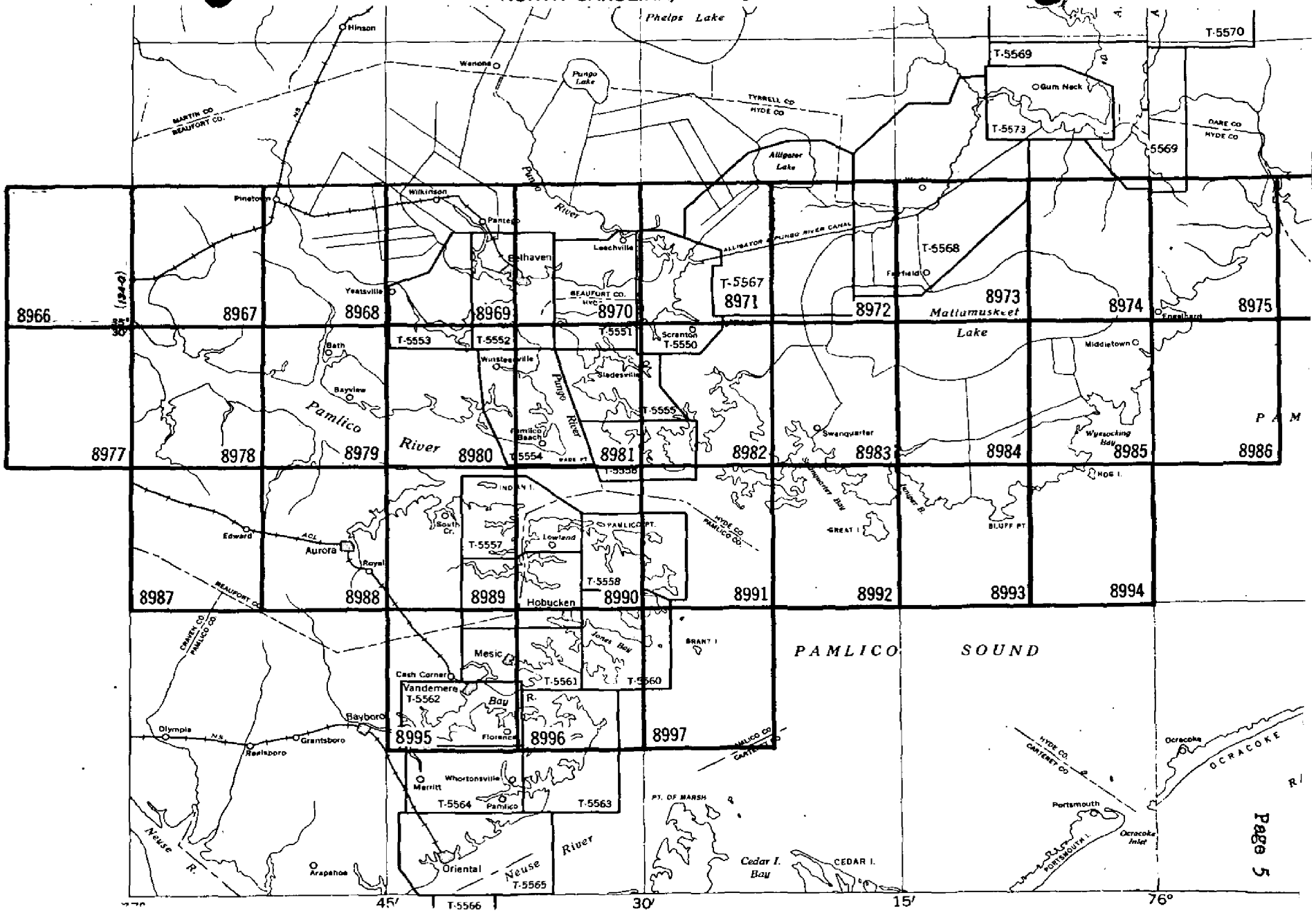
* The periodic tide is negligible.

M-2618-12(4)

TOPOGRAPHIC MAPPING PROJECT

P[illegible]20(47)

NORTH CAROLINA, Vicinity of Pamlico River



SUMMARY TO ACCOMPANY TOPOGRAPHIC MAP T-8966

Topographic map T-8966 is one of thirty-two similar maps of project Ph-20(47) and is the most northwesterly map of the project. It covers portions of the Pamlico River and the Tar River and includes the city of Washington, North Carolina.

This is a graphic compilation project. The field operations preceding compilation included complete field inspection, the establishment of some additional horizontal control and the delineation of contours on the photographs by planetable methods.

The manuscript was compiled at a scale of 1:20,000 and covers 7½' in latitude by 7½' in longitude. The entire map was field edited. The map is to be published by the Geological Survey as a standard topographic quadrangle. The published map will comtain complete hydrographic information which will be subsequently compiled onto the map manuscript by the Nautical Chart Branch.

Items registered under T-9166 will include a cloth-mounted lithographic print of the manuscript at a scale of 1:20,000, a cloth-mounted lithographic color print at a scale of 1:24,000 and the descriptive report.

FIELD INSPECTION REPORT
Quadrangle T-8966
35-30 77-00/07.5
Project Ph-20 (47)

E. R. McCarthy, Chief of Party

The field work for this quadrangle was done in accordance with the Director's Instructions, Project Ph-20 (47) Field, dated 23 July, 1948, and other instructions as noted herein. In addition to the personnel listed on page 3, field work was done by the following:

Name and Title	Phase	Started	Completed
H. R. Spies Cartographic Survey Aid	Horizontal and Vertical Control Recovery	January 1, 1949	March 1, 1949
H. G. Murphy Cartographic Survey Aid	Shoreline Inspection (Vicinity of Washington)	June 28, 1949	July 6, 1949

This report is written in accordance with Paragraph 724, of the preliminary edition of the Topographic Manual dated June, 1949.

2. AREAL FIELD INSPECTION

This quadrangle is bisected by a river which flows from the northwestern to the southeastern corners. This river is the Tar River where it enters the quadrangle, but soon becomes the Pamlico River.

Chocowinity Bay extends from the Pamlico River in the southeastern corner and heads in the southwestern corner of the quadrangle.

Washington, an incorporated town of approximately 10,000 is the largest of three towns in the quadrangle. It lies on the north bank, and at the point of transition of the rivers. Washington Park, a residental surburb of Washington is located just southeast, on the north bank of Pamlico River. Chocowinity, a farming surburb is located approximately three miles south of the Pamlico River, near the head of Chocowinity Bay. See item 68

Three highways, two branch line railroads, and a pattern of secondary roads serve the quadrangle.

The land area is relatively high land dissected by numerous streams which are all tributaries of the Pamlico River. Approximately fifty percent of this area is under cultivation. The remainder being heavily wooded, with swamps bordering the streams.

The urban limits of the town of Washington were determined by the Washington Office.

The field inspection is believed to be complete.

According to local information, a radio tower is to be constructed in the near future, by the Highway Patrol, on U. S. Highway 17, near the southern limit of the quadrangle. This should be checked during the field edit. See item 60

The vegetation and natural features within this quadrangle are typical, and it is believed that sufficient classifications have been made so that the Compiler will encounter no difficulty in the interpretation of the photographs.

3. HORIZONTAL CONTROL

All known horizontal control stations within the quadrangle were searched for. A sufficient number were identified, along with three stations north and west of the quadrangle to control, the photogrammetric plot.

The necessary identification data for the above stations were forwarded to Tampa well in advance of this report.

(c) Stations not established by the Coast and Geodetic Survey are:

Station	Agency	Order	Datum	
C of E. Mon. 66	Corps of Engineers	Third	N.A.1927	EHK
C of E. Mon. 20	Corps of Engineers	Third	N.A.1927	outside area
C of E. Mon. 5	Corps of Engineers	Third	N.A.1927	" "
C of E. Mon 4	Corps of Engineers	Third	N.A.1927	" "

(e) Stations reported as "Lost" on Form 526.

FLAG IN WATER, 1914
POLE ON ISLAND, 1914
NORTHWEST STACK, 1914
PAMLICO CHEMICAL CO. STACK, 1914
AUSTIN POINT 2, (USE), 1914
HAVENS, 1914
ENGINEER (USE), 1914
STREET, 1914
CEDAR GROVE, 1870
END, 1914
LONE, 1935
WASHINGTON N & S R. R. WATER TANK, 1914
WASHINGTON BUGGY CO. WATER TANK, 1914
EUREKA MILLS STACK, 1914
WASHINGTON MUNICIPAL WATER TANK, 1935
TEMP, 1935
RODMAN PT. SHOAL LIGHT (NEW), 1914
RODMAN PT. SHOAL LIGHT (OLD), 1914
PAMLICO FERTILIZER CO. WATER TANK, 1931
McWILLIAMS PT. SHOAL LIGHT, 1935

McWILLIAMS PT. SHOAL LIGHT (NEW), 1914
McWILLIAMS PT. SHOAL LIGHT (OLD), 1914
WINDMILL PT. SHOAL LIGHT (NEW), 1914
WINDMILL PT. SHOAL LIGHT (OLD), 1914
WASHINGTON CHRISTIAN CHURCH SPIRE, 1914
LONE STACK, 1914
HACKNEY'S HOUSE CHIMNEY, 1914
WASHINGTON U. S. WEATHER BUREAU TOWER, 1914
MARTIN-BEAUFORT COUNTY LINE MARKER POST, 1931
OLD D, (USE), 1914
ROCK, 1914
LET, 1935
HOWEL, 1935
STIN, 1933

4. VERTICAL CONTROL

(a) Bench marks

(1) First order USC&GS

A-26, 1932
B-26, 1932
C-26, 1932 (Destroyed)
Y-25, 1932
Z-25, 1932
12 (USGS), 1932
WASHINGTON, 1932
R. M. BRIDGE - R. M. SWITCH, 1932
6.2 (USE), 1932
R V 3 (NSRR), 1932

(2) Second order USC&GS

E-223, 1942
F-223, 1942 (Destroyed)
G-223, 1942
H-223, 1942
J-223, 1942
J-222, 1941
K-222, 1941
L-222, 1941
M-222, 1941
N-222, 1942
P-222, 1941
X-222, 1942
XX-222, 1942 (Destroyed)
X-85, 1935
Y-85, 1935
670 (NOGS), 1941 (Destroyed)

(3) Third order USC&GS

V - 242, 1947 (Established by this party)

(4) Third order USGS

11 Raleigh (USGS) (Destroyed)
23 Raleigh (USGS)

(5) Tidal USC&GS

Washington - Pamlico River TBM 1-3 (Inc.), 1935

(b) Sixty miles of fly levels were run to establish supplemental control for contouring. The largest closure was 0.35 feet, which was adjusted.

(c) First and last designated level point for Map: 66-1 to 66-110.

(d) Search was made for all known bench marks.

5. CONTOURS AND DRAINAGE

All contouring was done by planetable methods on nine-lens photographs. The contour interval ~~was~~ is 5 feet. Elevations ranged from 1 to 50 feet, the highest areas being in the northernmost and southernmost parts. In wooded areas the planetable was supplemented by use of the hand level where practical. In places where it was impossible to show all contours, notes were made on the photographs to aid the Compiler.

See items 34, 53 and 56.

The Tampa office outlined the drainage on the photographs with the aid of a sterescope prior to contouring. During contouring operations this drainage was checked and corrected where necessary. All drainage flows into the Pamlico River or its tributaries.

In the east central portion of the quadrangle are many small depressed areas known locally as "Meteor holes", which have gum and cypress trees growing in them. These areas contain water throughout the year. In most instances the outline of the "holes" can be easily seen on the photographs.

6. WOODLAND COVER

The cover was classified in accordance with Paragraph 5433 * of the Pliminary Edition of the Topographic Manual, dated June 1949.

* Same reference in published edition. EHR

7. SHORELINE AND ALONGSHORE FEATURES

(a) There is no perceptible periodic tide in the Pamlico River therefore the mean and high water line and apparent shoreline is as photographed and is clearly discernable on the photographs. The two lines have been labeled or symbolized and the points of transition shown by tick marks.

(b) The mean low water line and mean high water line are synonymous for reasons under (a).

(c) There is no foreshore.

(d) Low bluffs exist along the north shore of Pamlico River, in the southeastern part of the quadrangle and are depicted by contours.

(e) Docks, wharves, piers, landings, etc. that were in existance at the time of photography have been labeled. Those erected subsequent to photography were located by planetable or tape measurements on the photographs and labeled.

(f) The shore ends (the point where they enter or leave the water) of submarine cables have been located and labeled on the photographs.

(g) Other shoreline structures such as bulkheads have been clearly shown on the photographs.

See item 58

8. OFFSHORE FEATURES

A planetable was used to locate all wrecks, piling and foul areas near the city of Washington and appropriate notes made on the photographs. Most of the wrecks were small wooden barges which are located a considerable distance from the channel, and present no great hazard to navigation.

See item 58

9. LANDMARKS AND AIDS

Four landmarks were identified on the photographs and were recommended for charting. Forms 524** and 567* are submitted with the quadrangle data.

*attached to this report.

** Filed in Div. of Photogrammetry.

The lights in the Pamlico River were located without difficulty. The aids in the Tar River were located by a variety of methods as they were difficulty of access and were visible over only a small area.

See item 57

10. BOUNDARY MONUMENTS AND LINES

This is covered in a "Special Boundary Report" which was submitted by Wilbur A. Nelson on 14 February 1949 and a supplemental report submitted 8 November 1949 by A. J. Wraight. Both are filed in the Division of Photogrammetry.

Five boundary points of the city of Washington were located on the photographs. Form M-2226-12 is submitted. (see Photo 22142-2) See item 68

The limits of the Coast Guard Depot at Washington have been delineated on photograph 22143-2.

With the aid of Mr. Blake Lewis, Civil Engineer of Washington, the limits of Warren Field were delineated on photograph 22143-2. All original boundary marks have been destroyed. See item 59 & 68

11. OTHER CONTROLS

Due to the plethora of triangulation along the shoreline no other control was established except landmarks and aids to navigation.

12. OTHER INTERIOR FEATURES

Warren Field which was originally built by the army for medium bombers has been turned back to the city of Washington and is no longer in use, except for small private aircraft.

All roads and buildings were classified in accordance with Paragraph 5441 of the Preliminary Edition of the Topographic Manual, dated June 1949.

Same reference in published edition. EHR

Two railroad bridges and one highway bridge cross the Pamlico River. All pertinent data concerning these bridges have been clearly noted on the photographs. All bridge information for the area covered by this report as listed in the "U. S. Engineers List of Bridges Over Navigable Waters in the U. S. dated July 1, 1941", was verified in the field. All clearances were carefully measured with a steel tape and the published descriptions and clearances were found to be correct.

13. GEOGRAPHIC NAMES

This will be the subject of a special report to be submitted by A. J. Wraight at a later date. Filed in Geographic Names Section, Div. of Charts.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Two prints of the railroad layout in the city of Washington are submitted. See item 33

Except as noted above and in items 10 and 13, there are no special data for this sheet.

15. SWAMP

Classification of swamp was completed during field inspection and has been clearly shown on the photographs.

Swamp classified as "SW" is true swamp. Intermittent swamp is so designated. See symbols, Figure 5:36, chapter 5, page 154, Topographic Manual. See item 69

26 September 1949
Submitted by:
Richard E. Conway Jr
Richard E. Conway, Jr
Cartographic Survey Aid

Approved:
7 December 1949
E. R. McCarthy
E. R. McCarthy
Chief of Party

Photogrammetric Plot Report

This report is filed as part of the Descriptive Report for T-8967 and covers the photogrammetric plot for maps T-8966 to T-8968 inclusive and T-8977 to T-8979 inclusive.

Photogrammetry

MAP T-8966 PROJECT NO. Ph-20(47) SCALE OF MAP 1: 20,000 SCALE FACTOR ———

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 LIN IN METERS FORWARD (BACK)
SHAW, 1931	Sp.Pub. 192 P.23	N.A. 1927	35 36 40.252 77 04 16.179			1240.5 (608.6) 407.2 (1102.9)	
ENDING, 1935	G. Ps 423	"	35 30 30.957 77 04 17.791			954.0 (895.1) 448.3 (1063.7)	
LION, 1933	G. Ps 415	"	35 30 32.913 77 00 32.962			1014.3 (834.8) 830.6 (681.4)	
SWITCH, 1933	G. Ps 416	"	35 32 13.310 77 02 49.100			410.2 (1438.9) 1236.9 (274.6)	
CASTLE, 1935	" "	"	35 32 17.033 77 03 20.281			524.9 (1324.2) 510.9 (1000.6)	
WASHINGTON ATLANTIC COASTLINE RR BRIDGE CENTER LIGHT 1935	" 420	"	35 32 43.823 77 04 15.199			1350.5 (498.6) 382.8 (1128.5)	
WASHINGTON HIGH SCHOOL FLAG POLE 1914	" 436	"	35 32 45.780 77 03 38.656			1410.9 (438.2) 973.7 (537.6)	
WASHINGTON BRICK STACK 1931	Sp. Pub. 192 P.31	"	35 33 19.070 77 04 17.774			587.7 (1261.4) 447.7 (1063.5)	
WASHINGTON NORFOLK SOUTHERN RR BRIDGE CENTER SPAN, 1935	G. Ps P 419	"	35 32 08.519 77 03 06.074			262.5 (1586.6) 153.0 (1358.5)	
N&S RR BRIDGE WEST SEMAPHORE 1914	" P.435	"	35 32 07.484 77 03 09.323			230.6 (1618.5) 2234.9 (1276.7)	
N&S RR BRIDGE EAST SEMAPHORE	" P. 435	"	35 32 09.54 77 03 02.92			294.0 (1555.1) 73.6 (1438.0)	
~~EUREKA MILLS STACK, 1914~~	" P. 437	"	~~35 32 52.26~~ ~~77 04 03.59~~			~~1610.6 (238.5)~~ ~~90.4 (1420.9)~~	Deleted. See Form 526. EMK

1 FT. = .3048006 METER

COMPUTED BY: R.R. Wagner DATE: 22 Sept. 1948

CHECKED BY: R.J. Pate DATE: 22 Sept. 1948

M-2388-12

Photogrammetry ✓

MAP T- 8966 PROJECT NO. Ph-20(47) SCALE OF MAP 1: 20,000 SCALE FACTOR ———

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)
✓ ATLANTIC, 1935	G.Ps. ~~Sp.Pub.~~ ~~192~~ P.417	N.A. 1927	35 32 50.357			1552.0 (297.2)	
			77 04 08.618			217.1 (1294.3)	
	"	"	35 30 05.692			175.4 (1673.7)	
✓ AGED, 1933	P.415		77 00 04.694			118.3 (1393.9)	
	"		35 30 28.701			884.5 (964.6)	
✓ AXON, 1935	P. 422	"	77 03 17.659			445.0 (1067.0)	
			35 31 28.148			867.5 (981.6)	
✓ BRIGHT, 1933	P. 416	"	77 02 36.190			911.8 (599.9)	
	"	"	35 30 35.401			1091.0 (758.1)	
✓ CHOCO, 1935	P. 423	-	77 03 47.374			1193.8 (318.2)	
	"	"	35 32 36.935			1138.3 (710.8)	
✓ COAST, 1935	P. 417	-	77 04 20.100			506.3 (1005.1)	
✓ C of E. MON 66	~~Form~~	"	35 37 ~~04.008~~ 03.009			~~123.5~~ 92.7 (17~~25.6~~ 26.4)	
1942	~~526~~ Comp	-	77 00 05.~~810~~ 07			146.~~2~~ 1 (1363.~~8~~ 9)	
	G. Ps.	"	35 30 56.440			1739.4 (109.7)	
✓ CREEK, 1935	P.423	-	77 04 16.831			424.1 (1087.8)	
	"	"	35 30 27.985			862.5 (986.7)	
✓ LONE, 1935	P.422	-	77 02 32.242			812.5 (699.5)	
	"	"	35 33 03.256			100.3 (1748.8)	
✓ KENNEDY, 1935	P.417	-	77 04 28.250			711.6 (799.7)	
			35 33 08.946			275.7 (1573.4)	
✓ HUBBARD, 1935	P.418	"	77 04 56.552			1424.4 (86.8)	
✓ HACKNEY'S HOUSE	"	"	35 32 45.762			1410.3 (438.8)	
CHIMNEY, 1914	P.436	-	77 03 55.932			1408.9 (102.5)	

1 FT. = .3048006 METER

COMPUTED BY: R.R. Wagner DATE: January 3, 1950

CHECKED BY: J.F. Armstrong DATE: January 5, 1950

M-2388-12

Photogrammetry

MAP T- 8966 PROJECT NO Ph-20(47) SCALE OF MAP 1: 20,000 SCALE FACTOR -------

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)
✓GROVE, 1933	G. Ps. P. 416	N.A. 1927	35 31 52.567 77 02 10.513			1620.1 (229.1) 264.9 (1246.8)	
✓GLEN, 1935	" P. 418	"	35 32 59.374 77 05 10.281			1829.8 (19.3) 259.0 (1252.3)	
✓ENGIN, 1933	" P. 416	"	35 30 27.686 77 01 30.699			853.3 (995.9) 773.6 (738.4)	
✓WINITY, 1935	" P.422	"	35 30 50.955 77 03 45.494			1570.4 (278.8) 1146.4 (365.5)	
✓WASHINGTON VENTILATOR, 1935	" P. 420	"	35 32 30.358 77 03 26.431			935.6 (913.5) 665.8 (845.6)	
✓WASHINGTON U. S. P.O. FLAGPOLE 1914	P.435	"	35 32 35.302 77 03 15.348			1088.0 (761.2) 386.6 (1124.8)	
✓WASHINGTON METH. CH. SPIRE 1914	" P. 436	"	35 32 41.622 77 03 30.463			1282.7 (566.4) 767.4 (744.0)	
✓WASHINGTON HIGHWAY BRIDGE, CUPOLA, 1935	" P. 420	"	35 32 35.367 77 03 42.548			1090.0 (759.2) 1071.8 (439.6)	
✓WASHINGTON EPISCOPAL CHURCH SPIRE, 1914	P.435	"	35 32 29.403 77 03 13.273			906.2 (943.0) 334.4 (1177.1)	
✓SOFT, 1933	" P. 416	"	35 31 47.529 77 03 09.164			1464.8 (384.3) 230.9 (1280.8)	
✓SILAS, 1935	" P.422	"	35 30 04.009 77 02 35.255			123.6 (1725.6) 888.5 (623.6)	
RAIN, 1935	" P.422	"	35 30 44.240 77 03 12.863			1363.4 (485.7) 324.1 (1187.8)	

1 FT. = .3048006 METER

COMPUTED BY: R.R. Wagner DATE January 3, 1950 CHECKED BY: J.F. Armstrong DATE January 5, 1950

M-2388-12

Photogrammetry

MAP T-8966 PROJECT NO. Ph-20(47) SCALE OF MAP 1: 20,000 SCALE FACTOR ------

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)
	G.Ps.	N.A.	35 30 54.914			1692.4 (156.7)	
PRESS, 1933	P. 416	1927	77 01 58.287			1468.8 (43.2)	
	"	"	35 32 53.332			1643.6 (205.5)	
PRONG, 1935	P.418	-	77 04 39.862			1004.1 (507.3)	
RODMAN PT. SHOAL	"	"	35 31 28.734			885.6 (963.6)	
BEACON, 1935	P.419	-	77 02 18.621			469.2 (1042.6)	
	"	"	35 31 51.650			1591.8 (257.3)	
BEACON LIGHT 1935	P.419	-	77 02 54.991			1385.4 (126.2)	

1 FT. = .3048006 METER

COMPUTED BY: R.R. Wagner DATE January 3, 1950 CHECKED BY: J.F. Armstrong DATE January 5, 1950

M-2388-12

5

Photogrammetry

OUTSIDE OF 20 N&W of

MAP T-8966 PROJECT NO. Ph-20(47) SCALE OF MAP 1:20,000 SCALE FACTOR ---------

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	N.A. 1927 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)
1942	Comp. from	N.A.	640,517.2	517.2	(9,482.8)					
C OF E MON. 34,	Vanceboro Quad.	1927	2,543,824.8	3,824.8	(6,175.2)					
	Comp. from Choconinty Quad.	"	688,237.5	8,237.5	(1,762.5)					
BMX222, 1942		"	2,529,567.4	9,567.4	(432.6)					
WOOLARD 1931	Sp. Pub. No. 192 Comp.pos.	"	712,895.8	2,895.8	(7,104.2)					
		"	2,574,036.7	4,036.7	(5,963.3)					
1942	Comp. from Choconinty Quad. pos.	"	667,834.0	7,834.0	(2,166.0)					
C OF E. MON. 4,		"	2,533,314.4	3,314.4	(6,685.6)					

1 FT. = .3048006 METER

COMPUTED BY: R.R. Wagner DATE November 25, 1949

CHECKED BY: M.M. Slavney DATE November 25, 1949

M-2388-12

COMPILATION REPORT, T-8966

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-8967.

31. DELINEATION

The graphic method was used.

The water front of Washington, N. C. was difficult to delineate because none of the nine lens photographs were centered over it. U. S. Department of Agriculture photographs (ratio prints, 1:10,000 scale, date 10 April 1948) were used to interpret the 1:20,000 scale photographs around Washington. These photographs were of later date than the nine lens photographs and were of great help.

32. CONTROL

The identification of control was good. It is sufficiently spaced to insure good detail points.

33. SUPPLEMENTAL DATA

Two blueprints* of railroads in Washington, which were not field edited, were used. They are "Section Map Atlantic Coast Line R R Co., Washington Branch" and "Right of Way and Track Map Norfolk Southern R R , Norfolk Division - Main Line". The positions of spurs were taken from these and questioned on the discrepancy overlay wherever they appeared to disagree with the photographs.

* Filed in Division of Photogrammetry.

34. CONTOURS AND DRAINAGE

Contours have been changed to agree with the field inspectors notes in areas stating that they follow swamp limits but do not appear to do so. Such changes have been made to agree with the limits of swamp as interpreted by the compiler. See items 53 and 56.

Some streams were changed to agree with compiler's interpretation. They are noted on the discrepancy overlay.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate in most cases. Questionable areas have been noted on the discrepancy overlay. (Reference Item 7). See item 58

36. OFFSHORE DETAILS

No statement. See item 58

37. LANDMARKS AND AIDS — See Forms 567 attached to this report.

Some daybeacons in the Tar River are being referred to the field editor for relocation. The directions submitted by field inspector did not make good intersections.

See item 57

38. CONTROL FOR FUTURE SURVEYS

Four forms 524* are submitted with the manuscript data. A list of recoverable topographic stations have been prepared for Item 49.

* Filed in Div. of Photogrammetry.

39. JUNCTIONS

No contemporary survey to the north and west.
Survey T-8967 to the east, in agreement.
Survey T-8977 to the south, in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

The only map in this office of the area is the result of a survey in 1901 and 1903. For this reason only a general comparison was made. See items 62 and 63

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 537, scale 1:40,000, published September 1947, corrected to January 12, 1948. The map manuscript and chart are in good agreement. See item 65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Robert R. Wagner
Cartographic Survey Aid

Approved and Forwarded
Arthur L. Wardwell
Chief of Party

49. NOTES FOR THE HYDROGRAPHER

Recoverable topographic stations of use to the hydrographer are as follows:

BRICK STACK (MUNICIPAL POWER PLANT), 1949

MUNICIPAL WATER TANK, 1949

RADIO TOWER (W H E D), 1949

~~RADIO TOWER (W R R F), 1949~~ * Destroyed April, 1951
J. E. Hundley

* Three new towers (WRRF) established 244 feet so. of old tower - See item 57.
Tampa -
June, 1951

Form T-2

50 PHOTOGRAMMETRIC OFFICE REVIEW

T- 8966

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JG XXXXXXXXXXXXXXX 8. Bench marks JG 9. Plotting of sextant fixes JG 10. Photogrammetric plot report JG 11. Detail points JG

ALONGSHORE AREAS
(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features JG 21. Natural ground cover JG 22. Planetable contours JG XXXXXXXXXXXXXXXXXXXX 24. Contours in general JG 25. Spot elevations JG 26. Other physical features JG

CULTURAL FEATURES

27. Roads JG 28. Buildings JG 29. Railroads JG 30. Other cultural features JG

BOUNDARIES

31. Boundary lines JG XXXXXXXXXXXXXXX

MISCELLANEOUS

33. Geographic names JG 34. Junctions JG 35. Legibility of the manuscript JG 36. Discrepancy overlay JG 37. Descriptive Report JG 38. Field inspection photographs JG 39. Forms JG

40. Jesse A. Giles — Jesse A. Giles, Reviewer — William A. Rasure — William A. Rasure, 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.

Robert R. Wagner (signature), Compiler — William A. Rasure, Supervisor

43. Remarks:

FIELD EDIT REPORT
Project Ph-20(47)
Quadrangle T-8966

51. METHODS

The field edit of this area was accomplished by traversing, via truck, all roads, and walking to other areas in which the reviewer requested information, or for a general check on the adequacy of the map compilation. The shoreline was inspected from a skiff.

Corrections and additions were made by standard surveying methods in conjunction with visual inspections.

All corrections and additions have been noted on the field edit sheet, field photograph AHP-4E-88, and overlay sheets. All work shown on the photograph is properly referenced on the discrepancy print. All deletions have been noted on the field edit sheet.

The reviewer's questions are answered on the discrepancy print, field edit sheet, photograph, and this report.

A legend appears on the field edit sheet which is self-explanatory.

The actual field work was accomplished in fourteen days during the months of February, March and April, 1951.

52. ADEQUACY OF COMPILATION

The map compilation, in general, is adequate and will be complete after field edit data has been applied.

53. MAP ACCURACY

In general, the horizontal accuracy of the map detail is relatively good. See item 66

Contouring was completed, on the field edit sheet, in the extreme northwest corner of the quadrangle. Corrections of contours have been made on overlay sheets for those areas west and north of Chocowinity, North Carolina. Minor changes were made in some parts of contours in the vicinity of Lat. 35°- 35', Long. 77°- 05'. The turning points of contours along Herring Run have been noted on the field edit sheet.

One vertical accuracy test was made along Chapel Branch, at Lat. 35°- 31', Long. 77°- 07'. Results of the test are as follows:

Thirty seven points on contours were tested, and 60% were in error by 1 ft. or less; 8% in error by 1 ft. to 1/2 contour interval; 24% in error by 1/2 to 1 contour interval; and 8% in error over 1 contour interval. See item 67

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. W. C. Rodman, registered land surveyor, of Washington, North Carolina, is best qualified to examine a proof copy of this work.

Ref. to Item 48 - Compilation Report.

A spot check of geographic names was made and found to be in excellent agreement with the geographic names list. All names referred for investigation have been clarified either in Item 48, the field edit sheet, or the discrepancy print.

56. CONTOURS AND DRAINAGE

Ref. to Item 34 - Compilation Report.

Contour corrections have been made, on the field edit sheet and overlay sheets, where streams were found to be displaced.

All ditches, except one, in this entire area are very narrow and shallow, and do not affect the course of contours depicted on a map of this scale. This one excepted ditch begins at Lat. 35°- 33', Long. 77°- 03'+ and runs in an easterly direction to the southeast corner of the airport fence, then it meanders around taxi strips and runways of the airport and empties into a natural drain at Lat. 35°-34', Long. 77°-03'-30". This ditch averages 18' in width and 3' in depth. The contours are properly indicated in this area.

Note: See photograph ABP-4E-88,* single-lens, scale 1:10,000.
* Filed in Div. of Photogrammetry.

57. LANDMARKS AND AIDS TO NAVIGATION

Ref. to Item 37 - Compilation Report.

One landmark, Radio Tower (WRRF), 1949, is recommended for deletion. Form 567 is submitted, attached to this report.

Three additional objects, Radio Towers (WRRF), 1951, have been located on the field edit sheet and listed on Form 567* as suitable landmarks. Forms 24A** are submitted.

Six daybeacons in Tar River were located on the field edit sheet by various methods. Tar River Daybeacon 4 and 8 were located directly on the field edit sheet by planetable methods. Tar River Daybeacons 12, 14, 16 and 18 were located by sextant angles and stadia distances. These four daybeacons were plotted on the field edit sheet, and all, except Beacon 16, plotted in their relative position. In view of the fact that all the other beacons plotted relatively good, the shoreline near beacon 16 was corrected accordingly. Forms 567* and 24A** are submitted.

See note by chief of party which follows this report.

The position of Windmill Point Shoal Light (Beacon Lt. 1935) was checked and found to be correct. According to the 1949 edition of the Light List, this light has not been moved or rebuilt since 1929. Forms 24A** and 567* are submitted.

* Form 567 attached to this report.

** Form 24A filed in Div. of Photogrammetry.

58. SHORELINE AND OFFSHORE FEATURES

Ref. to Item 35 - Compilation Report

Numerous additional piers, boat houses and piles have been indicated on the field edit sheet.

Ref. to Item 8 - Field Inspection Report.

Those areas labeled Foul on the field edit sheet are a veritable maze of fish net stakes, cypress stumps and scattered piles, the fish net stakes predominating. However, they do not constitute a navigational hazard, as they are clear of the navigable channel.

Four transmission line poles were located on the field edit sheet just west of the highway bridge at Washington, North Carolina.

59. BOUNDARY LINES

Ref. to Item 10, Paragraph 4 - Field Inspection Report.

A thorough investigation was made of the boundary lines of Warren Field in order to determine its true boundaries. Unfortunately, none of the original boundary markers could be recovered as stated under Item 10 of the Field Inspection Report.

There are two sources of information for this boundary, one of which is the map drawn by Mr. Blake Lewis, civil engineer of Washinton, North Carolina, which is recorded in Map Book No. 3 in the Register of Deeds Office, Beaufort County Courthouse. The other is a description of the property as recorded in Deed Book No. 384, page 373 of the Register of Deeds of Beaufort County. These are not in agreement as some of the smaller calls (angles and distances) are omitted on the map, and the boundary somewhat generalized.

The description of the deed, which is apparently the same as submitted with the Boundary Report of Project Fh-20, is as follows:

Warren Field Boundary Survey
Deed Book No. 384 - Page 373

Beginning at the intersection of Market Street extended and the Old Cow Head Springs Road; running thence with Market Street extended S21°35'W, 197 ft.; thence S12°45'W, 154 ft.; thence S8°30'W, 924 ft.; thence S9°35'W, 187 ft.; thence leaving said highway S73°W, 2005 ft.; thence N68°30'W, 2092 ft.; thence N48°W, 395 ft.; thence S35°22'W, 41 ft.; thence S78°30'W, ~~S28°W~~, 388 ft.; thence N85°15'W, 645 ft.; thence N35°25'E, 250 ft.; thence N46°30'W, 565 ft.; thence N43°30'E, 220 ft.; thence N7°15'E, 325 ft.; thence S82°45'E, 359 ft.; thence N41°30'E, 1874 ft.; thence N0°05'E, 2439 ft.; thence N70°E, 727 ft.; thence S74°E, 374 ft.; thence S24°15'W, 105 ft.; thence S69°E, 210 ft.; thence N24°15'E, 105 ft.; thence S69°E, 540 ft.; thence N24°15'E, 552 ft.; thence N58°45'W, 272 ft.; thence N12°E, 65 ft.; thence N70°E, 118 ft.; thence S48°30'E, 1654 ft.; thence S41°30'W, 940 ft.; thence S20°E, 2554 ft. to the aforesaid old road; thence S66°15'E, 632 ft. to the beginning, all of the aforesaid courses referring to the Magnetic Meridian as of May 1943, and the courses and distances are taken from a survey made by Blake Lewis.

It is recommended that the boundary be delineated from this description, rather than that shown on the field inspection photographs which was possibly taken from the aforementioned map.

As an aid in verifying the plotting of the boundary, the fence enclosing the airport facilities was delineated on the field edit sheet by topography. This fence is along part of the boundary, but not all of it, as land was acquired beyond the actual airport facilities to assure the clearance of obstructions adjacent to the field.

60. FIELD INSPECTION

Ref. to Item 2 - Field Inspection Report.

Numerous additional Class I and II buildings have been indicated on the field edit sheet.

Clarification of the Federal and State Highway routes have been made on two overlay sheets submitted.

The Highway Patrol Radio Tower has not been erected to date.

JUNCTIONS

Satisfactory junctions were made with T-8967 to the east and T-8977 to the south. There are no contemporary surveys to the north and west.

12 April 1951
Submitted by:

James E. Hundley by HTG.
James E. Hundley,
Cartographer

19 April 1951
Approved by:

Harry F. Garber
Harry F. Garber,
Chief of Party

NOTE BY CHIEF OF PARTY

The methods used in locating Daybeacons Nos. 12, 14, 16 and 18 in Tar River are not up to the usual standards employed by this party. However, there is no way of locating these beacons without establishing dependable control at considerable expense. Because of overhanging trees, satisfactory photo points cannot be identified with complete assurance. A long plane table traverse up the tortuous course of Tar River from station "GLEN, 1935" would be of doubtful quality. Triangulation would prove very expensive.

Inasmuch as these beacons fall beyond the limits of U.S. C. & G. S. nautical charts, it is recommended that the positions submitted with this report be accepted until such time that a hydrographic survey is made in the area when adequate control would be available.

Harry F. Garber
Commander, US C & GS
Chief of Party

VERTICAL ACCURACY TEST REPORT
Project Ph-20(47)
Quadrangle T-8966

This is a report of the results of the vertical accuracy of contours tested in a small area in the extreme southwest corner of the quadrangle.

A closed-loop of fly levels was run from BM X 85 to established elevations at strategic points to be used as a basis for the vertical accuracy test. The error of closure was 0.2 foot. No adjustment was made.

Two and four-tenths (2.4) lineal miles were traversed by plane-table to test 37 points on contours. These planetable traverses originated and terminated at either monumented BM's or level points established at road intersections. The horizontal closures were negligible. The largest error of vertical closure was 0.2 foot and no adjustment was made.

The results of the 37 points tested are as follows:

60% were in error by 1 ft. or less;
8% " " " " 1 ft. to 1/2 contour interval;
24% " " " " 1/2 to 1 contour interval; and
8% " " " over 1 contour interval.

11 April 1951
Submitted by:

James E. Hundley
James E. Hundley, by AFG
Cartographer

18 April 1951
Approved by:

Harry F. Garber
Harry F. Garber,
Chief of Party

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Washington, North Carolina   30 September 1949

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
Robert R. Wagner
Tampa Photo. Office

[illegible] McCarthy
Chief of Party.

STATE North Carolina

CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE ° '	LATITUDE D. M. METERS	LONGITUDE ° '	LONGITUDE D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
								T-8966					
LIGHT	[illegible] (Black slatted pile structure)		35 31	~~1541.8~~	77 02	~~1585.4~~	1927	Tri	~~[illegible]~~ 1935				537
LIGHT	[illegible] (Black slatted pile structure.		35 31	685.6	77 02	469.2	"	Tri.	1935		x		537
LIGHT	McC[illegible] (Red slatted pile structure)		35 30	857	77 01	381	"	Rad. Plot	1949		x		537
BN. 2	TA[illegible] (Red triangular daymark on pile, white reflector)		35 32	44.87 1383	77 04	18.22 459	"	"	1949		x		537
BN. 3	TA[illegible] (Black square daymark on pile, white reflector)		35 32	38.58 1189	77 04	33.78 851	"	"	1949		x		537
BN. 6	TA[illegible] (Red triangular daymark on pile, white reflector)		35 33	06.94 214	77 05	02.10 53	"	"	1949		x		537
BN. 7	TA[illegible] (Black square daymark on pile, white reflector)		35 33	00.91 28	77 05	27.39 690	"	"	1949				None
BN. 8			(to be located by field editor)										
BN. 9	TAB [illegible] (Black square daymark on pile, white reflector)		35 33	16.81 518	77 06	22.63 570	"	"	1949				None
BN. 10	TA[illegible] (Red triangular daymark on pile, white reflector)		35 33	34.30 1057	77 06	25.05 631	"	"	1949				None
BN. 11	TAB [illegible] (Black square daymark on pile, white reflector)		35 33	27.58 850	77 06	43.31 1091	"	"	1949				None
BN. 12			(to be located by field editor)										
BN. 13	TA[illegible] (Black square daymark on pile, white reflector)		35 33	35.21 1085	77 07	11.20 282	"	"	1949				None
BN. 14			(to be located by field editor)										

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.

29

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Washington, North Carolina 30 September 1949

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

The positions given have been checked after listing by Robert F. Wagner
Tampa Photo. Office

E. H. McCarthy *Chief of Party.*

STATE	North Carolina		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° '	D.M. METERS	° '	D. P. METERS							
BN.16			(to be located by field editor)										
BN.18			(to be located by field editor)										

* 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.

C&GS

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

~~TO BE CHARTED~~
TO BE DELETED } STRIKE OUT ONE

~~Washington, North Carolina~~ ~~30 September~~, 1949

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

Robert R. Wagner

E. R. McCarthy *Chief of Party.*

STATE	North Carolina		POSITION										
			LATITUDE		LONGITUDE								
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° '	D. M. METERS	° '	D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No. T-8966	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
STACK	~~(Washington Brick Stack)~~		~~35 33~~	~~587.7~~	~~77 04~~	~~447.7~~	NA ~~1927~~	~~Tri~~	~~1931~~		X		~~537~~
TANK	~~(Washington Municipal Water Tank)~~		~~35 32~~	~~1417.2~~	~~77 03~~	~~871.2~~	NA ~~1927~~	~~Tri~~	~~1931~~		X		~~537~~
FLAG TOWER	~~(Washington U.S. Weather Bureau Tower)~~		~~35 32~~	~~459.0~~	~~77 02~~	~~1214.6~~	NA ~~1927~~	~~Tri~~	~~1914~~		X		~~537~~

~~This object is not prominent enough to be classed as a landmark.~~
~~[illegible] 1951~~
F. [illegible]

All of these objects should be deleted from the chart(s) as recommended. J.E.N., 1951.

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

31 ~~29~~

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Washington, North Carolina 30 September, 1949

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 Robert R. Wagner, Tampa Photo. Office

E. R. McCarthy *Chief of Party.*

STATE North Carolina

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE D.M. METERS	LONGITUDE ° ′	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
RADIO MAST	~~skeleton steel, 248~~ 205 feet high		35 32	177	77 04	64	NA 1927	Rad. Plot T-8966	1949		X		537
RADIO MAST	~~skeleton steel, 248 feet high~~ J. E. Hundley Capt, 1951		35 31	1165	77 04	805	NA 1927	Rad. Plot	1949		X		537
STACK	red brick, 225 feet high		35 33	547	77 04	426	NA 1927	Rad. Plot	1949		X		537
TANK	steel, 125 feet high		35 32	3238 998	77 02	57,08 1435	NA 1927	Rad. Plot	1949		X		537

32

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

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~ } STRIKE OUT ONE
TO BE DELETED }

Washington, North Carolina 30 September, 1949

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 Robert R. Wagner

E. R. McCarthy *Chief of Party.*

STATE North Carolina

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° '	LATITUDE D.M. METERS	LONGITUDE ° '	LONGITUDE D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	TAR RIVER DAYBEACON # 4		35 32.8		77 04.8						X		537

V O I — J. E. Hundley
April, 1951.

33

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

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

~~TO BE CHARTED~~
TO BE DELETED } STRIKE OUT ONE

Washington, North Carolina 4 April, 1951

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 Jesse A. Giles Tampa

Harry F. Garber
Commander, US C & GS, *Chief of Party.*

STATE	North Carolina		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS							
RADIO MAST	Station WERF radio mast*.		35 31	1165	77 04	805	MA 1927	Rad. Plot T-8966	1949		x		537
	* This mast was dismantled in April, 1951, and 3 new masts erected in the vicinity. See landmarks to be charted for new positions.												

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

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

[redacted] LANDMARKS FOR CHARTS

TO BE CHARTED [redacted] } STRIKE OUT ONE

Washington, North Carolina 4 April 1951

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

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

Harry F. Gerber
Commander, USC & GS, *Chief of Party.*

STATE	North Carolina		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS							
RADIO MAST	Radio Station WRRF, Skeleton Steel Tower 246 ft. high, painted in alternate bands of white and red		35 31	1108	77 04	857	NA 1927	Topographic T-8966	1951		X		537
RADIO MAST	"		35 31	1091	77 04	778	"	"	"		X		"
RADIO MAST	"		35 31	1073	77 04	699	"	"	"		X		"
													537

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* [redacted] The data should be considered for the charts of the area and not [redacted]

Form 567
April 1945

PHOTOGRAMMETRIC REVIEW SECTION

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Washington, North Carolina — 4 April, 1951

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 R. R. Wagner, Tampa Photogrammetric Office

Harry F. Garber
Commander, US C & GS, *Chief of Party.*

STATE: NORTH CAROLINA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LAT. D.M. METERS	POSITION LONGITUDE ° ′	LONG. D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
BN. 4	Tar River Day Beacon 4, a red triangular daymark on pile		35 32	1381	77 04	1044	NA 1927	Planetable T-8966	1951				
BN. 8	Tar River Daybeacon 8, a red-triangular daymark on pile		35 33	165	77 06	12	"	"	"				
BN. 12	Tar River Daybeacon 12, a red triangular daymark on pile		35 33	1048	77 06	1354	"	Sextant & Stadia Dist. T-8966	"				
BN. 14	Tar River Daybeacon 14, a red-triangular daymark on pile		35 33	1281	77 07	404	"	"	"				
BN. 16	Tar River Daybeacon 16, a red triangular daymark on pile		35 33	1495	77 07	482	"	"	"				
BN. 18	Tar River Daybeacon 18, a red triangular daymark on pile.		35 33	159	77 07	660	"	"	"				
	Position Previously submitted. ~~Windmill Point Shoal Light~~		~~35 31~~		~~77 02~~		"	~~Tri.~~	~~1935, 1951~~		x		~~537~~
	See item 57, this report												

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

48. GEOGRAPHIC NAME LIST:

AGGIE RUN
ATLANTIC COAST LINE R. R.
AUSTIN POINT

BEAR CREEK
BEAUFORT COUNTY
BEEBE CHAPEL — BEAUFORT COUNTY HOME
BEECH GROVE CHURCH
BRICK KILN ROAD — See F.E.S. g.e.n. (new application)

CEDAR CREEK
CEDAR GROVE CEMETERY — ? - See F.E.S. g.e.n.
CHAPEL BRANCH
CHERRY RUN
CHERRY RUN BRIDGE
CHERRY RUN ZION CHURCH
CHICOD TOWNSHIP
CHOCOWINITY
CHOCOWINITY BAY
CHOCOWINITY CREEK = principal stream as marked on name sheet - L.H. 10-22-51
CHOCOWINITY TOWNSHIP
CITY PARK AND COMMUNITY CENTER
CRAWFORD CREEK

DAVIS CHAPEL

EDGEWATER ROAD

FORK POINT

GRANDPAP ISLAND

HERRING RUN
HOOTENTOWN
HOUSE OF PRAYER CHURCH
HOWARD HILL CHURCH — See F.E.S.

Hootentown Road (replaces former application of Brick Kiln Church on adjoining T-8107)

JACKS CREEK ← stet pending B-of-N g.e.n. decision

KENNEDY CREEK (Case has been returned to B. of N. original names report listed 6 local residents in favor of Jacks Creek - L.H. 11-22-51)
KEYSVILLE CHURCH

LODGE ROAD
LONG ACRE TOWNSHIP

(Long Acre correct as on Census Map of Minor Political Subdivisions) 10-22-51 L.H.

MAPLE BRANCH
MAPLE BRANCH
MARKET STREET EXTENSION
MARKET STREET ROAD NO. 1
MARKET STREET ROAD NO. 2
MARSDEN Station
MARTIN BAY
MIMOSA SHORES
MITCHELL BRANCH

GEOGRAPHIC NAME LIST: (continued)

NORFOLK SOUTHERN R. R.
NORTH CAROLINA

OAKDALE CEMETERY (?) - See F.E.S. J.E.H.
OLD FORD ROAD

PACTOLUS HIGHWAY
PACTOLUS TOWNSHIP
PAMLICO RACE TRACK
PAMLICO RIVER
PEYTON SCHOOL
PINEYGROVE BRANCH (standard U.S.G.S. usage is one word for a case of this sort. L.H. 10-22-51)
PITT COUNTY
PORTER JUNCTION

RIVER ROAD
RIVER VIEW CHURCH
~~RIVERSIDE PARK~~ Non-existent - obsolete J.E.N.
RODMAN CREEK
RODMAN POINT
RUNYON CREEK

SHOP COVE
SIDNEY CREEK
SLATESTONE ROAD
SNODE CREEK
STATE NO. 33

TAR RIVER
TAYLOR CREEK
THE CASTLE
TRANTERS CREEK
TRINITY CEMETERY
TRINITY CHURCH (original names report recommended deletion of church names near mapped Trinity Com.) 10-22-51 L.H.

U S COAST GUARD DEPOT
US NO. 17
US NO. 264

~~WADES CHAPEL~~ — WARES CHAPEL J.E.H. 12/2/51
WARREN FIELD
WASHINGTON
WASHINGTON HEIGHTS
WASHINGTON PARK
WASHINGTON TOWNSHIP
WHARTON STATION
WHICHARD BEACH

Names approved,
subject to Field Edit
11-9-50
a.j.w.

REVIEW REPORT
Topographic Map T-8966
9 November 1951

62. Comparison with Registered Topographic Surveys:

T-1211	1:20,000	1870-71
T-1274	1:10,000	1871-72
T-3440	1:5,000	1914
T-6462	1:10,000	1935
T-6463	1:10,000	1935

Survey T-6463 shows several small islets not delineated by the field parties. This area appears to be completely inspected by both the field inspection party and the field edit party. It is thus recommended that these features be deleted from Nautical Chart 567.

This survey supersedes the above surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies

Plymouth, N. C. (C. of E.)	1:125,000	1943
Chocowinity, N. C. (GS)	1:62,500	1905

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

567	1:40,000	48 - 1/12

See item 62. In addition, this map shows changes in culture, differences in marsh and swamp limits and changes in bridge clearances and landmarks.

66. Adequacy of Results and Future Surveys:

Except for daybeacons noted under item 57, the accuracy of which could not be ascertained, this map meets the National Standards of Map Accuracy and complies with project instructions.

67. Vertical Accuracy Tests:

The results of the vertical accuracy test were retabulated during this review applying the allowable shift for points tested and using 50 points instead of 37 used by the field editor. See item 53. A total of 48 points (96%) were within 1/2 contour or better and two points (4%) were in error over one full contour interval. In the case of these two points, the error was due to incorrect delineation of a stream rather than datum error.

The discrepancy with the field editor's tabulation is apparently due to the application of the allowable shift in points tested.

68. Boundaries:

Township boundaries within Beaufort Co. were revised by the field editor and the corrected boundaries are indicated on the field edit sheet.

Washington Park, an incorporated town, is shown as described in the Special Report on Boundaries and as field inspected.

Three of the five field-identified boundary markers (see item 10) are not shown on the map because they were in slight disagreement with the boundary description. In each case the markers were identified directly on the photographs in areas where there appeared to be no well-defined points and without any reference measurements being given to nearby features. No difficulty was experienced in plotting the boundary from the description.

Chocowinity has been incorporated (see page 52, Special Report on Boundaries) but the town government has not been functioning for more than ten years. Investigation of the boundary was not attempted by the field parties.

The boundary description of Warren Field, as furnished by the field editor (see item 59) was used to plot the boundary on the manuscript. A portion of it intersected a taxiway. Because of the disagreement between the different sources, the fence enclosing the field was shown as the airport limits. This line was positioned by the field editor by planetable.

69. Swamp:

Reference item 15. Field inspection notes have evidently been revised to eliminate the "intermittent swamp" classification.

Reviewed by:

Everett H. Ramey
E. H. Ramey

Approved by:

L. V. Griffith
Chief, Review ~~Section~~ Branch
Div. of Photogrammetry 7-21-53

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

O. S. Reading
Chief, Div., Photogrammetry

Carl O. Hewitt
Chief, Div., Coastal Surveys

History of Hydrographic Information

Map T-5966

Vicinity of Washington, D. C.

Hydrography was applied to the map manuscript in accordance with the general specifications of 18 May 1949.

Depth curves and soundings are in feet and originate with the following:

USC&GS Hydrographic Survey H-5996 (1935) at 1:10,000, and USE blue prints numbered 43103 to 43107 inclusive showing surveys of 1947.
Only the 6-foot depth curve is shown.
Depth curves and soundings were compiled by Everett H. Ramey and checked by R. E. Elkins.

Everett H. Ramey

Everett H. Ramey
7 January 1952