

8983

original

Diag. Cht. Nos. 1110 & 1231-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. _____ Office No. T-8983

LOCALITY

State North Carolina

General locality Hyde County

Locality Swanquarter

1951

CHIEF OF PARTY

Harry P. Garber, Chief of Field Party

Arthur L. Wardwell, Tampa Photogrammetric

Office

LIBRARY & ARCHIVES

DATE July 14, 1953

DATA RECORD

T-8983

Project No. (II): **Ph-20 (47)** Quadrangle Name (IV):Field Office (II): **Manteo, North Carolina**Chief of Party: **Harry F. Garber**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): **1-23-51**

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

13 Jan 1953
Sept 16, 1951Publication Scale (IV): **1:24,000**

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): **SWAN, 1933**Lat.: **35° 24' 39".534(1218.4m)**Long.: **76° 19' 46".482(1172.8m)**Adjusted
Unadjusted

Plane Coordinates (IV):

State: **N. Carolina** 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.

Richard E. Conway, Jr.

35° 22.5'

76° 15'

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

DATA RECORD

Field Inspection by (II): **Richard E. Conway, Jr.**
Cartographic Survey Aid

Date: **January -
 February 1950**

Planetable contouring by (II): **Richard E. Conway, Jr.**
Cartographic Survey Aid

Date: **January -
 February 1950**

Completion Surveys by (II): **James E. Hundley**

Date: **July 25, 1951**

Mean High Water Location (III) (State date and method of location): **18 December 1947 and 21 December 1948. Air Photo Compilation.**

Projection and Grids ruled by (IV): **W. E. W. (W. O.)**

Date: **25 June 1948**

Projection and Grids checked by (IV): **W. E. W. (W. O.)**

Date: **25 June 1948**

Control plotted by (III): **R. R. Wagner**

Date: **8 October 1948**

Control checked by (III): **B. F. Lampton**

Date: **18 October 1948**

Radial Plot ~~of Stereoscopic~~
~~Photocompilation~~ by (III): **M. M. Slavney**

Date: **18 August 1950**

Planimetry
 Stereoscopic Instrument compilation (III): **Inapplicable**
 Contours .

Date: **—**

Date: **—**

Manuscript delineated by (III): **J. C. Richter**

Date: **4 October 1950**

Photogrammetric Office Review by (III): **J. A. Giles**

Date: **28 October 1950**

Elevations on Manuscript
 checked by ~~by~~ (III): **J. C. Richter**

Date: **2 October 1950**

Camera (kind or source) (III): U. S. Coast and Geodetic Survey 8 $\frac{1}{4}$ " Focal Length

Number	Date	Time	Scale	Stage of Tide
21527	18 Dec. 1947	11:48	1:20,000	No periodic tide
21622	26 Jan. 1948	13:29	"	No
22216	29 March 1948	14:46	"	Periodic
*24124	21 Dec. 1948	12:31	"	Tide
*21558	18 Dec. 1947	12:31	"	

Tide (III)

Reference Station:

Subordinate Station:

Subordinate Station:

No periodic tide *

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): G.B. Willey

Date: 4/29/52

Final Drafting by (IV): USGS

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 52

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

8.

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

10 mi.

Control Leveling - Miles (II): 11 Third Order; 19.7 Fly Levels.

Number of Triangulation Stations searched for (II): 14

Recovered: 11

Identified: 10

Number of BMs searched for (II): 10

Recovered: 10

Identified: 10

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 0

Remarks: Third Order Bench Marks established by party.

* The periodic tide is less than $\frac{1}{4}$ foot.

* Field print only.

8966

8977

8978 (124-0)

8987

CRANFORD CO.
PAULICO CO.

Orinda

NEUSE R.

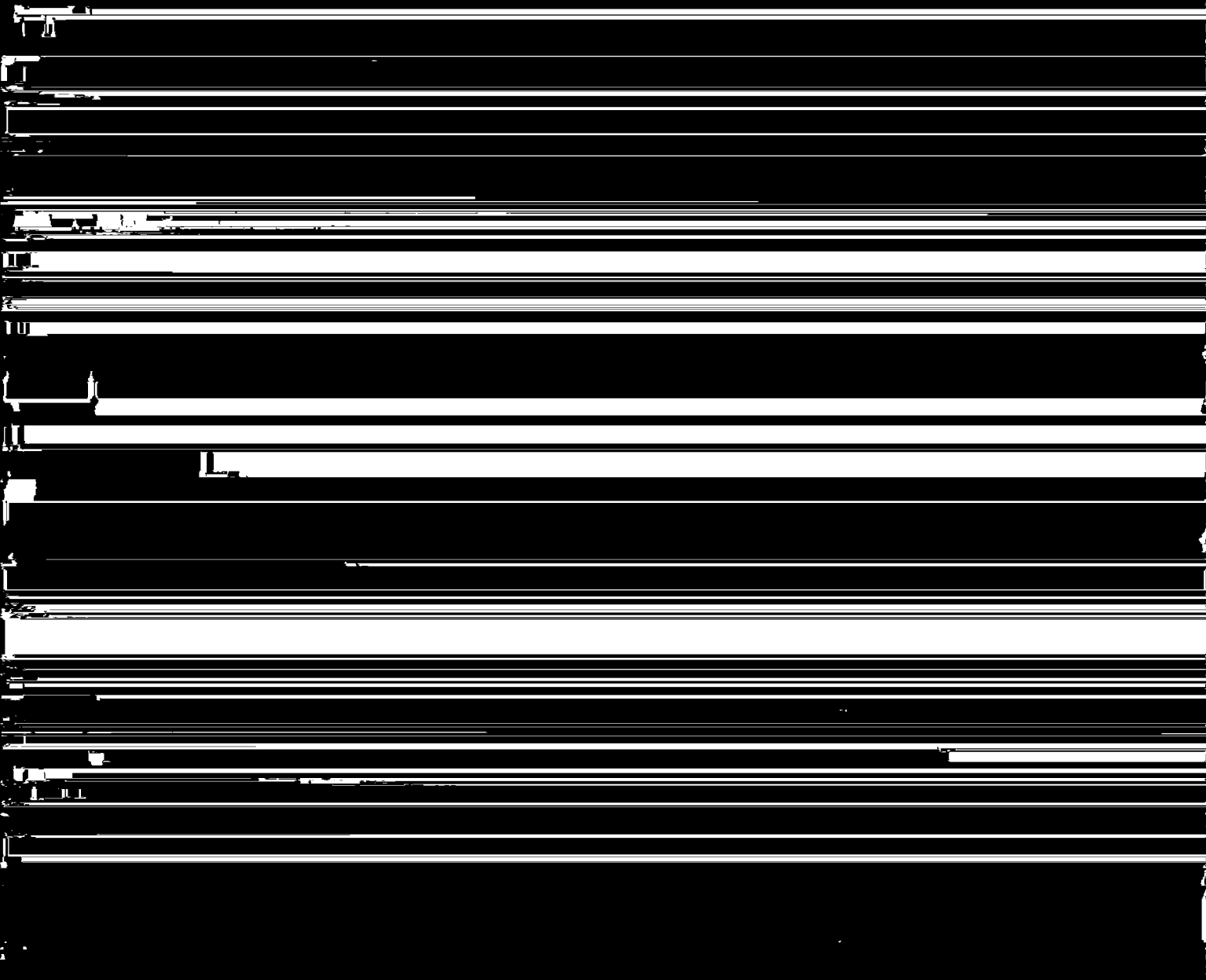
CRANFORD CO.
PAULICO CO.

Summary to Accompany Map T-8983

This topographic map is one of 32 similar maps of Project Ph-20(47). It covers the head of Swanquarter Bay of Pamlico Sound and adjacent land areas.

Project Ph-20(47) is a graphic compilation project. Field operations preceding compilation included complete field inspection and recovery and identification of horizontal control. After compilation, the map was field edited.

This map was compiled at a scale of 1:20,000 and covers $7\frac{1}{2}'$ in latitude by $7\frac{1}{2}'$ in longitude. After the addition of hydrographic data by the Nautical Chart Branch, Division of Charts, the map will be published by the Geological Survey as a standard topographic quadrangle. Items registered under T-8983 will include a



FIELD INSPECTION REPORT

Page 1 of 1

In the southwest corner of the quadrangle is Swanquarter Bay with headwaters just northwest of Swanquarter and emptying into Pamlico Sound. From this a canal -navigable to fishing boats and barges- has been dug up to Swanquarter. About a mile and one-half south of this canal is Oyster Creek which is also navigable to fishing craft up as far as the road. Juniper Bay cuts through the southeast corner and is navigable to fishing craft. The Dyke Canal which runs northerly from U. S. Route No. 264 circleling Lake Mattamuskeet, and about two miles from it, was originally dredged to divert water from the Lake. It is not navigable, even to skiffs and drains for the most part into the lake. At this time a new canal is being dredged from the

4. VERTICAL CONTROL

(a) All Bench Marks in the quadrangle are Third Order and were established by this party. They Are:

D-244	J-244
E-244	K-244
F-244	L-244
G-244	NCGS 59
H-244	NCGS 59 (AZ MK)

(b) 19.6 miles of fly levels were run to establish supplemental control for contouring. The greatest error of closure was 0.11 feet and was not adjusted.

(c) The first and last level points are: 83-1 to 83-24

5. CONTOURS AND DRAINAGE

All contouring was done by planetable methods directly on nine-lens photographs. The interval was five feet. Elevations ranged from one to seven feet. Although elevations on spoil banks sometimes ran up to eleven and twelve feet, no contours were shown as the banks were too narrow. Where possible along canals elevations were taken from the water surface which was carefully checked from a B. M. on Fly Level Point before and after work.

Canals and ditches artificially drain part of the quadrangle which would ordinarily depend on seepage. Where there is natural drainage the marsh and swamp outline generally makes it apparent. All drainage except that plainly visible on the photographs, with the exception of an intermittent stream emptying into Rose Bay, is indefinite and is so noted on the photographs. The drainage from the cultivated areas and part of the wooded areas south of the Dyke Canal is toward the Sound while the cultivated areas north of the Dyke Canal drains toward the Lake. Intermediate drainage is into the Dyke Canal and thence into Lake Mattamuskeet.

6. WOODLAND COVER

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

7. SHORELINE AND ALONGSHORE FEATURES

(a) There is no perceptible periodic tidal change in this area, the fluctuation of the land is due to wind. Therefore the mean

The shoreline is generally apparent. However, changes to fast line have been duly indicated on the photographs.

(c) The landing for boats is along a earth and shell bank of the canal near the Oyster House, just southeast of Swanquarter. A few small piling and boards, for tie up purposes, are in existence here, but are too inconsequential to be classified as a wharf.

8. OFFSHORE FEATURES

There are no offshore features within the limits of this quadrangle.

9. LANDMARKS AND AIDS

(a,b,c) There are no landmarks or aeronautical aids within this quadrangle.

(d) There are four nonfloating aids to navigation in the quadrangle. Three of these: Swanquarter Canal Light, Judith Marsh Light (Swanquarter Bay Light), and Swanquarter Rear Range Light (Swanquarter Rear Range Beacon) were located by triangulation in 1933. Theodelite cuts to these lights are submitted with this report for office verification of position. The other Swanquarter Bay Light was pricked direct on the photograph and is to be located by the Photogrammetric Plot.

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 by A. J. Wraight on 8 November 1949. Reports filed under project data in Div. of Photogrammetry.

The limits of Mattamuskeet National Wildlife Refuge have been delineated on Photograph 21527.

11. OTHER CONTROL

One recoverable topographic station, Boundary Mon. 27, (Swanquarter Refuge) 1949 was established. Form 524 in Div. Photogrammetry general files.

12. OTHER INTERIOR FEATURES

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

13. GEOGRAPHIC NAMES

This is the subject of a report submitted 15 January 1950 by A. J. Wright, filed in Geo. Names Section, Div. of Charts.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

None

15. SWAMPS

True swamp has been classified with the 'Sw' symbol, ~~inter-~~
~~mittent swamp as 'Fis'~~. See correspondence to be included
in the project completion report. L.M.G.

Submitted by
Richard E. Conway Jr.
Richard E. Conway Jr. ✓
Cartographic Survey Aid

Approved:
March 1950

Harry F. Garber
Harry F. Garber
Chief of Party

MAP T-8983

PROJECT NO. Ph-20(47)

SCALE OF MAP 1:29,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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)
PIPE STA. 2-A (U.S.E.), 1942	U.S.E.	N.A. 1927	35 28 31.248 76 19 57.428			963.0(886.1) 1,447.8(64.8)	
PIPE STA. 1-A (U.S.E.), 1942	"	"	35 28 32.602 76 19 40.879			1,004.7(844.4) 1,030.6(482.1)	
58(NCGS), 1934	"	"	35 27 56.837 76 19 13.028			1,751.6(97.5) 328.5(1,184.4)	
SWANQUARTER SPIRE, 1933	G.Ps. 368	"	35 26 24.91 76 19 00.52			767.7(1,081.4) 13.1(1,500.2)	See 523 Descriptive Report T-8992. Net shown
59 (NCGS), 1934	U.S.E.	"	35 26 31.217 76 16 46.410			962.0(887.0) 1,170.5(342.8)	
SWAN, 1933	S.P. 218	"	35 24 39.534 76 19 46.482			1,218.4(630.7) 1,172.8(341.1)	
65 (NCGS), 1934	N.C.G.S.	"	613,918.85 2,807,971.70	3,918.85 (6,081.15) 7,971.70(2,028.30)		1,194.5(1,853.5) 2,429.8(618.2)	
LONG PT. 1873	G.Ps. 364	"	35 23 12.624 76 20 08.301			389.0(1,460.0) 209.5(1,304.8)	
SWANQUARTER REAR RANGE BN., 1933	G.Ps. 369	"	35 22 58.537 76 20 39.363			1,804.0(45.1) 993.5(520.9)	
SWANQUARTER CANAL LT., 1933	G.Ps. 369	"	35 22 51.548 76 21 26.785			1,588.6(260.5) 676.1(838.4)	
58 AZ. MK. (NCGS), 1934	N.C.G.S.	"	635,684.06 2,797,214.04	5,684.06(4,315.94) 7,214.04(2,785.96)		1,732.5(1,315.5) 2,198.8(849.2)	
59 AZ. MK. (NCGS), 1934	"	"	626,212.08 2,809,136.35	6,212.08(3,787.92) 9,136.35(863.65)		1,893.4(1,154.6) 2,784.8(263.2)	

1 FT. = 3048008 METER

COMPUTED BY: B. F. Lampton

DATE 22 September 1948

CHECKED BY: R. R. Wagner

DATE

24 September 1948

H. 2388.12

12

COMPILATION REPORT T-8983PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-8992 . Filed as part of Descriptive Report for T-8992.

31. DELINEATION

The graphic method was used.

The photographs ranged from fair to good. Some difficulty was encountered due to three separate flights of photographs having been taken over a period of a year and part of the field inspection having been done on those of the first flight.

32. CONTROL

Sufficient secondary control was established and placement was such that no difficulty was encountered in securing all additional control necessary.

Reference Item 23 Photogrammetric Plot Report regarding SWAN-QUARTER SPIRE.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No difficulty was encountered in transferring contours.

No difficulty was encountered in the delineation of drainage.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline and alongshore details were taken from the photographs. Due to the difference in time of photographs, some difficulty was encountered in delineating the shoreline of Lake Mattamuskeet.

No low-water or shoal lines were shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AID

No unusual methods of compilation were employed.

38. CONTROL FOR FUTURE SURVEYS

One Form 524 is being submitted herewith as part of this report.

This station has been listed under Item 49.

39. JUNCTIONS

T-8972 - to the north: In agreement.

T-8992 - to the south : " "

T-8984 - to the east : " "

T-8982 - to the west : " "

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS.

There are no maps available for comparison.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison has been made with U. S. C. & G. S. Nautical Chart No. 1231, scale 1:80,000 published November 1938 (8th edition) corrected to 10 May 1948 and found to be in good agreement.

ITEMS TO BE APPLIED TO THE NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

James A. Giles
for John C. Richter
Cartographic Photo Aid.

Approved and Forwarded:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

49. NOTES TO HYDROGRAPHER

One (1) topographic station pertaining to the Hydrographer

Boundary Mon No. 27, 1949

Probably too far inland for use in hydrography. EHR

50

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8983

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line J.G. 14. Rocks, shoals, etc. J.G. ~~XXXXXXXXXXXXXXXXXXXX~~ 18. Other alongshore physical features J.G. 19. Other along-shore cultural features J.G.

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads J.G. 28. Buildings J.G. ~~XXXXXXXXXXXX~~ 30. Other cultural features J.G.

BOUNDARIES

31. Boundary lines J.G. ~~XXXXXXXXXXXX~~

MISCELLANEOUS

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

40. Jesse A. Giles
Reviewer

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.

Compiler

Supervisor

43. Remarks:

FIELD EDIT REPORT
PROJECT PH-20(47)
QUADRANGLE T-8983

Harry F. Garber, Chief of Party

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. A general check on the adequacy of the map compilation was made. The shoreline was inspected from a skiff.

Corrections and additions were made by visual inspection.

All corrections, additions and deletions have been noted on the field edit sheet.

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

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

The actual field work was accomplished in two days in July, 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

The horizontal and vertical accuracy of the map detail is relatively good.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that Mr. Joseph S. Mann, of Fairfield, N. C. is best-qualified to examine a proof copy of this work.

Ref. to item 48 - Compilation Report.

1. ✓ JOBS OR JOBS CHAPEL

JOBS is the correct spelling.

2. ✓ GREEN HILL SCHOOL

This school has been discontinued due to consolidation with Swan Quarter schools. The building is used as a residence, and it is on T-8984.

3. ✓ SOUTH MATTAMUSKEET CHURCH

Non-existent. Several people were questioned in regard to this name, but none of them recalled a church with this name.

4. ✓ BUCK RIDGE, OYSTER CREEK ROAD AND TINY OAK FORK

These are often-used names of features and places and are properly indicated on the field edit sheet.

5. ✓ DYKE CANAL - BOUNDARY CANAL

This feature was a part of the original boundary of the Lake Mattamuskeet Drainage District, a Hyde County development, and was excavated in 1915. All legal records since 1915 concerning this particular area refer to this feature as the Boundary Canal. All maps of the U. S. Department of Agriculture, U. S. Department of the Interior, and N. C. Department of Conservation and Development use the name Boundary Canal.

It is recommended that the name Boundary Canal be used.

56. BOUNDARY LINES

Ref. to item 10 - Field Inspection Report.

That part of the Mattamuskeet National Wildlife Refuge boundary near lat. 35°-29', long. 76°-18' should be shown as indicated on the field edit sheet and field photograph 21527.

According to the records in the Register of Deeds Office, Hyde County Courthouse, Swan Quarter, N. C., that portion of

property beginning at Corner #1, a corner on the line of the Mattamuskeet National Wildlife Refuge, thence S73°-00'W, along refuge boundary 27.03 chains (66.0 ft. per chain), thence N22°-14'W, 77.28 chains to a point on the refuge boundary, thence S68°-07'E, 58.38 chains along refuge boundary, thence S1°-16'E, 41.76 chains along refuge boundary to point of beginning at Corner #1, was purchased from Mr. F. P. Latham, by the Government for the refuge, March 11, 1939.

According to Mr. Melvin M. Swindell, Clerk of Superior Court.

NONFLOATING AIDS @PENNENTARIESFORZEPH/DRCS

24 March 1950

been checked after listing by John C. Richter

Tampa Photogrammetric Office

HARRY L. GARDNER

Chief of Party.

STATION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		D. M.	S.	D. M.	S.								
1. - Black slatted 5' high		35	22	1588.6	76 21	676.1	N.A. 1927	T-1.	1933	X			1231
2. - Red picture 20' high slatted pile		35	22	1604.0	76 20	993.5	"	"	"	X			"
3. - Red slatted 5' high		35	22	961.6	76 21	1380.4	"	"	"	X			"
		35	24	169	76 20	735	"	Rad. Plot T-9963	1949	X			"

[illegible]

48. GEOGRAPHIC NAME LIST (CONTINUED)SANDY POINTSHINGLE CREEK~~*SOUTH MATTAMUSKEET CHURCH~~

(non-existent)

ST GEORGE'S CHURCH* * SWANQUARTERSWANQUARTER BAYSWANQUARTER ELEMENTARY SCHOOLSWANQUARTER NATIONAL WILDLIFE REFUGE* * SWANQUARTER TOWNSHIPSWINDELL FORKTAPPING HILLTHE HAULOVER* TINY OAK FORKTINY OAK SCHOOLU. S. NO. 264 =

(N.C. 91)

Not shown on manuscript. Same
road as U.S. No. 264WELL CREEK

*To be located by Field Editor. Name on manuscript in pencil.

* * Town & township should be two words according to
Mr. L. Heck. *ELR*Names approved
- subject to F.E.

2-9-51

A.J.W.

Re-checked after Field
Edit 4-28-52. L.H.

REVIEW REPORT
Topographic Map T-8983
29 April 1952

62. Comparison with Registered Topographic Surveys:

There is evidence of minor shoreline erosion since this survey. Map T-8983 is to supersede this survey for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

None

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

1231

1:80,000

51 - 11/12

See Item 47

66. Adequacy of Results and Future Surveys:

This map meets the National Standards of Map Accuracy and complies with project instructions.

History of Hydrographic Information
Quadrangle T-8983
Pamlico Sound

Swanquarter Bay - North Carolina

Hydrography was applied to the manuscript of this quadrangle in accordance with Division of Photogrammetry general specifications dated 18 May, 1949.

Soundings and 6 foot depth curves at mean low water datum originate with the following:

U.S.C.&G.S. Hydrographic Survey:

H-1226a (1874) 1:20,000
H-3664 (1914) 1:20,000

U.S.C.&G.S. Nautical Chart:

1231, 1:80,000 latest print date 11-12-51

Hydrography was compiled by K. N. Maki and verified by C. B. Samuel 5/23/52.

K. N. Maki

K. N. Maki
Div. of Photogrammetry
16 May 1952