

T-11665



T-11665

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey ... Shoreline

Job No. ... PH-6207 Map No. ... T-11665

Classification No. II Final Edition No. ... 1

Field Inspected Map

LOCALITY

State ... North Carolina

General Locality ... Oregon Inlet

Locality ... Roanoke Sound

1962 TO 1963

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Baltimore District Office OFFICER-IN-CHARGE Commander Miller J. Tonkel		SURVEY <u>TP-11665</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>II Final</u> JOB <u>PH- 6207</u>	
PHOTOGRAMMETRIC OFFICE Baltimore District Office OFFICER-IN-CHARGE Commander Miller J. Tonkel		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
JOB <u>PH- 6207</u> MAP CLASS <u>II Final</u> SURVEY DATES: 19__ TO 19__		JOB <u>PH- 6207</u> MAP CLASS <u>II Final</u> SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
May 28, 1962		May 14, 1962	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH-AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S) STATE <u>North Carolina</u> ZONE <u>N/A</u>	
5. SCALE 1:10,000		STATE <u>North Carolina</u> ZONE <u>N/A</u>	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION Stereoplanigraph - METHOD: <u>Bridging</u> LANDMARKS AND AIDS BY		R. B. Kelly N.A.	
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coordinategraph</u> PLOTTED BY CHECKED BY		L. A. Senasack B. Kurs	
3. STEREOSCOPIC INSTRUMENT COMPILATION PLANIMETRY BY CHECKED BY		B. Kurs & R. Carr E. L. Rolle	
INSTRUMENT: <u>Kelsh Plotter</u> SCALE: <u>1:4,000</u> CONTOURS BY CHECKED BY		N.A. N.A.	
4. MANUSCRIPT DELINEATION METHOD: <u>Scribed</u> PLANIMETRY BY CHECKED BY		L.A. Senasack & J. Grogan E. L. Rolle	
SCALE: <u>1:10,000</u> CONTOURS BY CHECKED BY		N.A. N.A.	
5. OFFICE INSPECTION PRIOR TO <u>HYDRO SUPPORT</u> HYDRO SUPPORT DATA BY CHECKED BY		E. L. Rolle N.A.	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY		N.A.	
7. COMPILATION SECTION REVIEW BY		R. Glaser	
8. FINAL REVIEW BY		E. L. Rolle	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		E. L. Rolle	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R.T. Cater	

COMPILATION SOURCES

T-11665

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "L" & "W" 6" Focal Length		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED B&W		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
62W(P) 4132-4135	5/3/62	1438	1:20,000	+0.3' MLW	
62W(P) 4168-4173	5/3/62	1504	1:15,000	+0.6' MLW	
62L(I) 2989-2991	5/3/62	1245	1:20,000	-0.4' MLW	
62L(I) 3024-3029	5/3/62	1510	1:15,000	+0.6' MLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the photography listed above under item 1 and field inspection data.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The source of the approximate MLW line is the photography listed above under item 1 and field inspection data.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No contemp. survey	T-11672	T-12133	No contemp. survey

REMARKS

T-11665

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION - 7/62 ☐ FIELD EDIT OPERATION - None

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	I. Y. Fitzgerald	7/62
2. HORIZONTAL CONTROL	RECOVERED BY I. Y. Fitzgerald	7/62
	ESTABLISHED BY N.A.	
	IDENTIFIED BY I. Y. Fitzgerald	7/62
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY I. Y. Fitzgerald	7/62
	LOCATED (Field Methods) BY I. Y. Fitzgerald	7/62
	IDENTIFIED BY I. Y. Fitzgerald	7/62
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input checked="" type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	
	BY I. Y. Fitzgerald	7/62
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY I. Y. Fitzgerald	7/62
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
62W4170	Rat, 1962		

3. PHOTO NUMBERS (Clarification of details)

Field inspection photos: 62L2989 thru 62L2990 - 62L3024 thru 62L3029

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

One landmark and one nonfloating aid were photo identified.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
62W4173	Bodie Island L.H., 1975		
62W4171	Bodie Island National Park		
	Service Water Tank, 1962		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

One "Discrepancy Sheet."

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

Listings of "mean high water distances."

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

T-11665

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete.	8/16/63	Class II Map		8/16/63
Review Corrections applied	9/12/63	Class II Map		
Final Review.	9/76	Class II Map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES. (Baltimore)
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

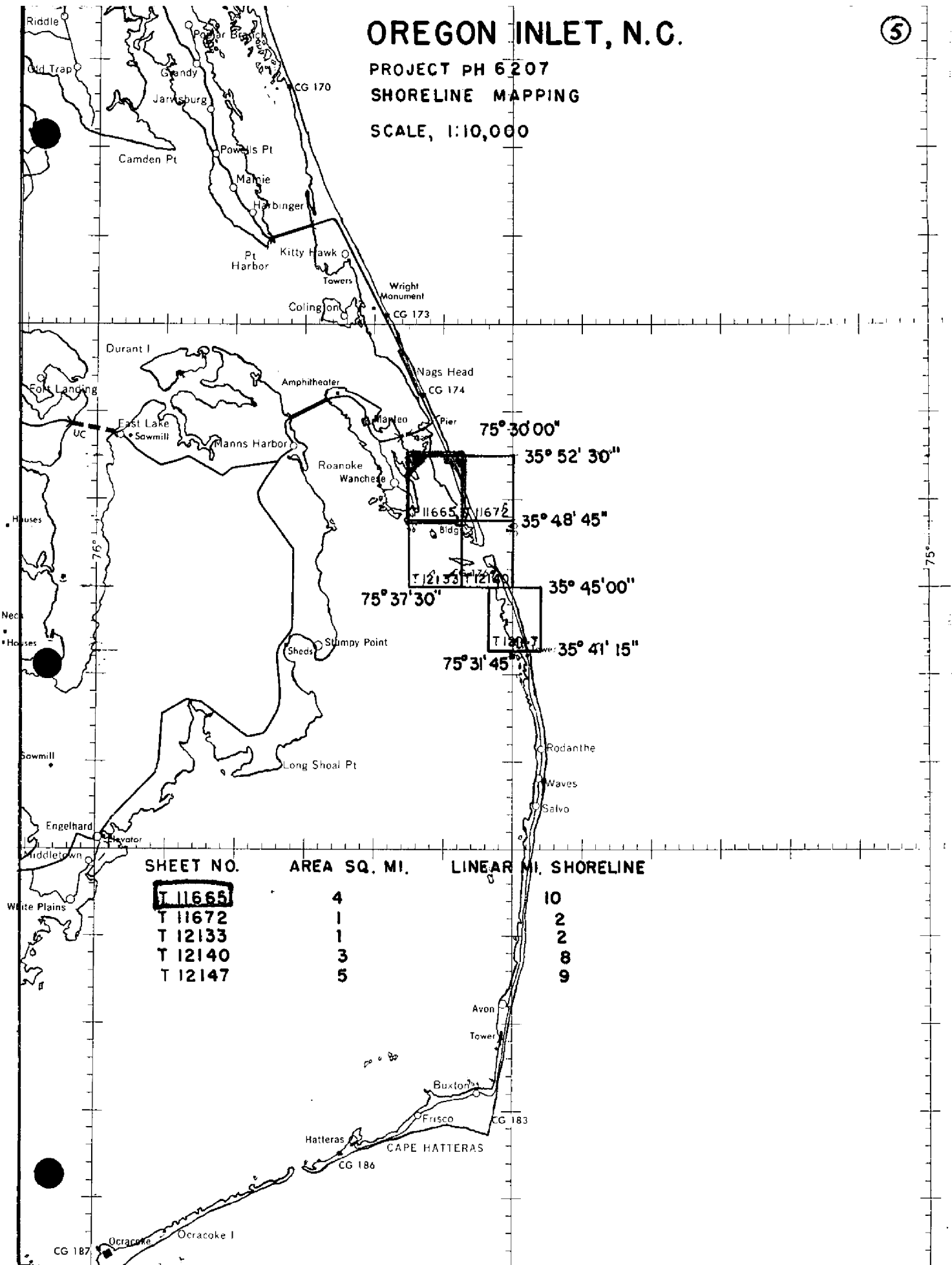
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

OREGON INLET, N.C.

PROJECT PH 6207

SHORELINE MAPPING

SCALE, 1:10,000



SHEET NO.

AREA SQ. MI.

LINEAR MI. SHORELINE

T 11665

4

10

T 11672

1

2

T 12133

1

2

T 12140

3

8

T 12147

5

9

SUMMARY

For

T-11665, T-11672, T-12133, T-12140, and T-12147

These five maps were compiled at 1:10,000 scale in the area of Oregon Inlet, North Carolina.

The purpose of this job is to provide control for a standard hydrographic survey and to compile new shoreline. All data will be used to update nautical charts covering the area.

Field operations, which began in May 1962, generally consisted of aerial photography, field inspection, recovery and/or establishment and identification of horizontal control, recovery and identification of tidal bench marks, and verification and/or location of all landmarks and fixed aids to navigation.

Aerotriangulation and compilation photography was furnished at scales of 1:15,000 and 1:20,000 using both panchromatic and black-and-white infrared film at each scale. The infrared film was taken with the "L" camera and the panchromatic film with the "W" camera. Both cameras have a focal length of 152mm.

Three strips of the 1:15,000 scale panchromatic photography were bridged and adjusted to ground by IBM-650 method. Eleven horizontal control stations and nine horizontal control check stations were weighted in the strip adjustments. This provided the horizontal control for compilation.

Compilation was performed in the Baltimore District Office during the period September 1962 through August 1963. The maps were compiled on the Kelsh Plotter using the panchromatic photography. Black-and-white infrared photography was ratioed and used graphically to supplement the stereocompilation. Compilation was supported by field inspection furnished on the black-and-white infrared contact photography. Prior to the photogrammetric office review, an ozalid copy was made of each map and labeled "Discrepancy Sheet." Notes were made on these sheets in areas where compilation data was questionable and forwarded to the Washington Office for clarification. All areas in question were resolved by notes made onto these sheets by the Washington Office and the maps delineated accordingly. These "Discrepancy Sheets" supplement the field inspection and will be retained on file with other job data. This job was not field edited.

All line work is scribed, approved symbols are shown in the marginal data of the map.

The maps were final reviewed in the Class II (field inspected) stage in the Rockville Office in September 1976. All maps were found to be satisfactory and met the Standards of Map Accuracy and Bureau requirements.

A Descriptive Report was prepared for each map in the job. The Descriptive Reports contain all pertinent reports written and listings of all data used to complete each map.

A Chart Maintenance Print for each map was submitted to the Marine Chart Division.

The following items are registered in the Bureau Archives:

1. A plastic copy of each map (1:10,000 scale).
2. A Descriptive Report for each map.

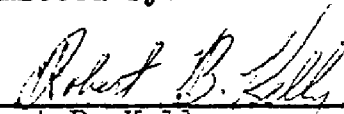
Negatives for each map are filed in the Reproduction Division.
All field data are filed in the National Archives.

Aerotriangulation
Oregon Inlet, N.C.
Project PH-6207
June 1962
Strip #1


A eleven model bridge covering portions of T-12133, T-12140, T-11665 and T-12172 was run in order to control a hydrographic survey in the Oregon Inlet Area. This bridging was required after the recent severe storm on the East Coast.

The bridge was adjusted by IBM-650 method to five field-identified control stations with eight additional stations used to check the adjustment. Closures (see attached sketch) indicated that the bridge is within accuracy standards for scales of 1:10,000 or 1:5,000.

Submitted by:

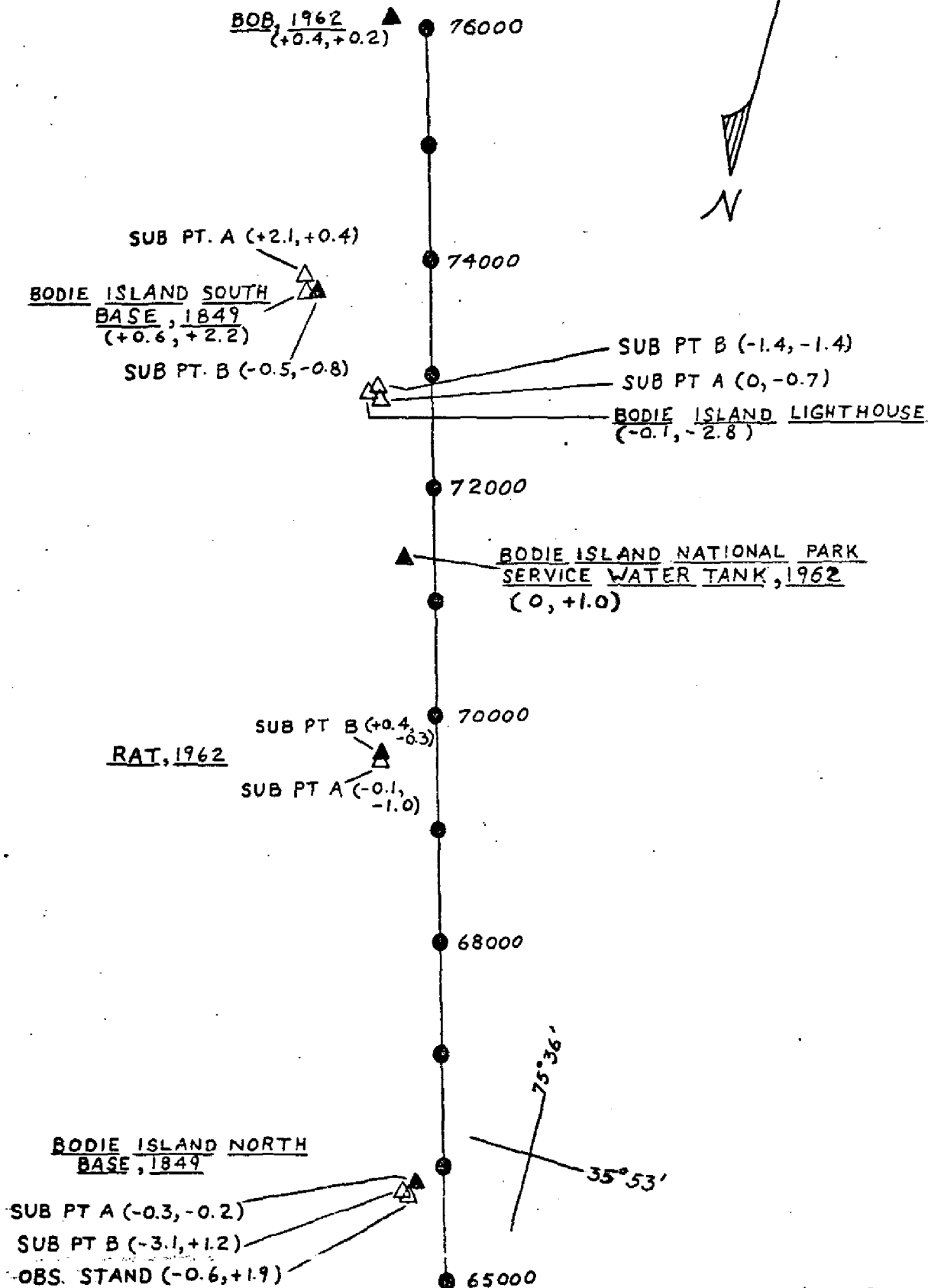

Robert B. Kelly

Approved by:


Chief, Aerotriangulation Sec.

OREGON INLET, N.C.
 PH - 6207
 PHOTOGRAPHS 62 W 4165
 THRU 62 W 4176
 STRIP #1

9



▲ HORIZONTAL CONTROL USED IN ADJUSTMENT

2 JULY 1962

AEROTRIANGULATION
Oregon Inlet, N. C.
Project PH-6207
August 10, 1962
Strip #2

A five model bridge covering portions of T-12133 and T-12140 was performed in order to control a hydrographic survey in the Oregon Inlet area. This bridging was required after the recent severe storm on the East Coast.

The bridge was adjusted by IBM-650 method to three field-identified control stations with four additional stations used to check the adjustment. Closures (see attached sketch) indicated that the bridge is within accuracy standards for scales of 1:10,000 or 1:5,000. Station CLUB 1933, sub point B, did not hold as shown in sketch. According to the field man, station CLUB 1933, sub point B, was of very poor image quality and uncertain indentity. This was verified by the instrument operator.

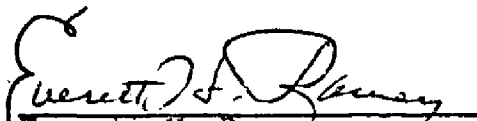
Note to Compiler:

Tie points 76310, 76330, 76404 and 76405 should be averaged with those tie points of strip #1 before compilation of strip #2 is started. The relatively weak tie is believed due to the poor image points that were available and refraction caused by the water.

Submitted by:


Robert B. Kelly

Approved by:


Everett H. Ramey

AEROTRIANGULATION SKETCH

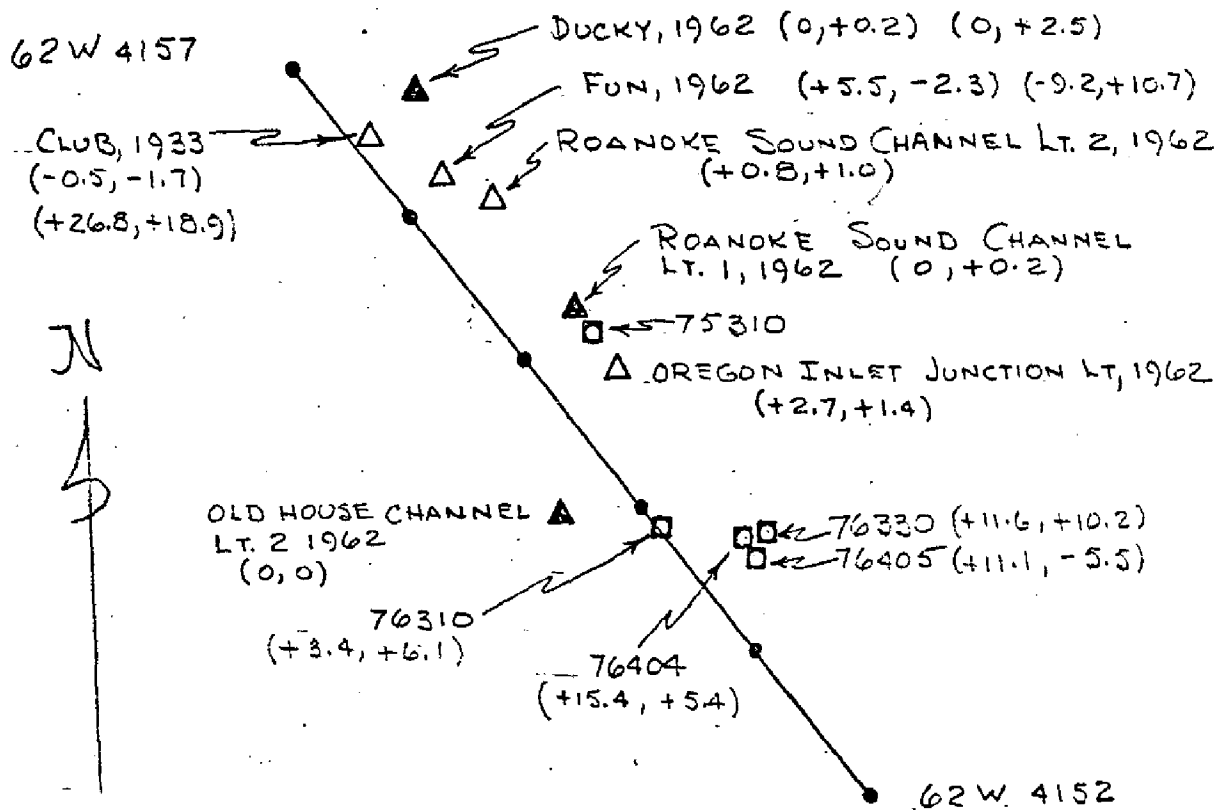
PH - 6207

OREGON INLET, N.C.

AUGUST 10, 1962

STRIP #2

11



LEGEND

- ▲ CONTROL USED IN ADJUSTMENT
- △ CONTROL USED AS CHECK
- TIE POINTS USED IN STRIP

NOTE

CLOSURE OF BRIDGE TO CONTROL SHOWN
IN PARENTHESES

AEROTRIANGULATION REPORT
Oregon Inlet, North Carolina
Ph-6207
Strip 75
September 12, 1962

An eleven-model bridge was accomplished to provide additional control points for the compilation of shoreline which had been altered by the recent (March, 1962) severe storm. The area of the strip comprising this bridge extended southward from Oregon Inlet (a portion of T-12140 and all of T-12147). Two other bridges of this project fall to the northward and are discussed in separate reports. The Bridge was adjusted by IBM methods based upon three field-identified control stations (see solid triangulation symbols on attached sketch) and five additional field-identified control stations were used as checks. Δ P.I.463+88 (NPS)1962 was rejected upon the recommendation of the fieldman (tellurometer was not functioning properly in conjunction with this station). The resultant adjustment indicates that the bridge will meet the accuracy standards for 1:10,000 scales.

Submitted by:

W. Heinbaugh
W. Heinbaugh

Approved by:

Everett H. Ramey
Everett H. Ramey

OREGON INLET

PH-6207

STRIP #75

T-11665

T-11672

35°52'30"

(-3.5, +6.0)

62W4183

OREGON INLET
CHANNEL LT. S
(1962)

PARK
(1962)

(+0.2, -6.6)
(+2.3, -7.5)

OREGON INLET LT.
(0.0, 0.0)

T-12133

T-12140

35°45'00"

25°37'30"

PI 463 188 (NPS) 1962
(REJECTED)
(+8.2, -32.2)
(+1.5, -21.1)

DIKE, 1962
(-0.9, -0.2)
(-2.9, -0.7)

T-12147

35°41'15"

LEGEND

▲ Adjustment Control Stations

△ Check Control Stations

PEA ISLAND
Tower, Aband.
(+1.2, -0.8)

PI 670 + 80 (NPS) 1962
(+1.6, -2.1)
(-2.4, -1.1)

SLUE, 1962
(+2.6, +4.7)
(0.0, -0.1)

62W4195

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	PH-6207	GEODETIC DATUM	ORIGINATING ACTIVITY	
		SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>North Carolina</u> ZONE <u>N.A.</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
T-11665	ROANOKE SOUND CHANNEL LIGHT 13, 1962	Field Data		x= 3,001, 876.76 y= 785, 409.41	ϕ λ	
	ROANOKE SOUND CHANNEL LIGHT 11, 1962	Field Data		x= 3,004, 098.67 y= 781, 494.23	ϕ λ	
	RAT, 1962	Strip #1 Form 164		x= 3,014, 267.61 y= 784, 117.21	ϕ λ	
	BODIE ISLAND NATIONAL PARK SERVICE W.T., 1962	Strip #1 Form 164		x= 3,015, 071.14 y= 776, 700.27	ϕ λ	
	ROANOKE SOUND LIGHT 10, 1962	Field Data		x= 3,005, 489.96 y= 779, 060.26	ϕ λ	
	WANCHESE CHANNEL LIGHT 4, 1962	Field Data		x= 3,002, 467.06 y= 778, 300.85	ϕ λ	
	WANCHESE LONG HOUSE CENTER, 1909	Vol. 2 Pg. 646		x= y=	ϕ 35° 51' 03.00" λ 75° 36' 50.13"	
	WANCHESE WHITE HOUSE CHIMNEY, 1909	Vol. 2 Pg. 646		x= y=	ϕ 35° 50' 26.28" λ 75° 37' 20.91"	
	WANCHESE HOUSE DOUBLE CHIMNEY CENTER, 1909	Vol. 2 Pg. 646		x= y=	ϕ 35° 50' 11.97" λ 75° 37' 21.16"	
	WANCHESE WHARF HOUSE CENTER, 1909	Vol. 2 Pg. 645		x= y=	ϕ 35° 50' 05.23" λ 75° 36' 56.35"	
COMPUTED BY	L.A. Semasack		DATE	COMPUTATION CHECKED BY	H.R. Rudolph	DATE 9/19/62
LISTED BY	E.L. Rolle		DATE 8/19/76	LISTING CHECKED BY	D.M. Brant	DATE 8/20/76
HAND PLOTTING BY	L.A. Semasack		DATE 9/21/62	HAND PLOTTING CHECKED BY	B. Kuts	DATE 9/21/62

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY		
T-11665	PH-6207	N.A. 1927			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>North Carolina</u> ZONE <u>N.A.</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
MILL CREEK, 1909	Vol. 1 Pg. 224		x= 3,002,681.86 y= 773,520.04	ϕ λ	
ROANOKE SOUND CHANNEL LIGHT 7, 1962	Field Data		x= 3,007,802.45 y= 773,725.07	ϕ λ	
ROANOKE SOUND CHANNEL LIGHT 3, 1962	Field Data		x= 3,010,962.76 y= 767,095.74	ϕ λ	
BODIE ISLAND LIGHTHOUSE, 1875	Vol. 1 Pg. 224		x= 3,018,566.91 y= 770,398.03	ϕ λ	
BODIE ISLAND KEEPER'S HOUSE CENTER, 1909	Vol. 2 Pg. 645		x= y=	ϕ 35° 49' 05.15" λ 75° 33' 51.69"	
ROANOKE ISLAND CUT THROUGH LIGHT, 1962	FORM 709		x= 3,002,551.64 y= 764,955.55	ϕ λ	
STEWART, 1962			x= 3,002,612.50 y= 766,554.72	ϕ λ	
			x= y=	ϕ λ	
			x= y=	ϕ λ	
			x= y=	ϕ λ	
			x= y=	ϕ λ	
COMPUTED BY L.A. Senasack		DATE 9/19/62	COMPUTATION CHECKED BY H.R. Rudolph		DATE 9/19/62
LISTED BY E.L. Rolle		DATE 8/20/76	LISTING CHECKED BY D.M. Brant		DATE 8/20/76
HAND PLOTTING BY L.A. Senasack		DATE 9/21/62	HAND PLOTTING CHECKED BY B. Kuts		DATE 9/21/62

COMPILATION REPORT
T-11665

31. Delineation

The map was compiled on the Kelsh Plotter using the panchromatic photography. Black-and-white infrared photography was ratioed and used graphically to supplement the stereo compilation.

The delineation of spoil islets along the Roanoke Sound Channel and the classification of a number of short roads emanating from the oceanside highway was by office interpretation.

The black-and-white infrared contact photography was used for field inspection. As a result of tone quality differences between the two types of photography, minor deviation from the field inspection was necessary in a few areas. These differences do not affect the accuracy of the map.

32. Control

Refer to the Photogrammetric Plot Reports bound with this Descriptive Report.

The density, identification, and placement of horizontal control was adequate.

Control identification cards (Form 152) were unavailable through the time of photogrammetric office review.

BODIE ISLAND CLUB HOUSE CHIMNEY, 1909 was believed to be destroyed and the triangulation station was removed from the map.

33. Supplemental Data

Prior to the photogrammetric office review, an ozalid copy was made of the map and labeled "Discrepancy Sheet." Notes were made on the sheet where compilation data was questionable and forwarded to the Washington Office for clarification. All areas in question were resolved by notes made onto the sheet by the Washington Office and the map delineated accordingly. The "Discrepancy Sheet" supplements the field inspection and will be retained on file with other job data.

34. Contours and Drainage

Contours - None.

All significant drainage was compiled.

35. Shoreline and Alongshore Details

The mean high water line along the ocean side of Bodie Island was delineated by office interpretation of the photography and field measured distances between hydro signals and the shoreline. The measurements were recorded by the field party and will be retained as part of the field inspection data. The hydro signals (see item 38) were plotted onto the map using horizontal positions furnished by the field party.

The balance of the shoreline inspection was adequate and the compilation of shoreline and alongshore details is believed to be complete and accurate.

The approximate mean low water line and shoal lines were delineated by analogy with a minimum of field data and by office interpretation of the photography.

36. Offshore Details

No comment.

37. Landmarks and Aids

The field inspection party did not prepare Forms 567. Field computed positions of all landmarks and fixed aids to navigation were received, making it possible for the compilation office to initiate Forms 567. Copies of these forms were forwarded to the Nautical Chart Division prior to office review.

The field party did not furnish an elevation for landmark BODIE ISLAND NATIONAL PARK SERVICE WATER TANK, 1962.

38. Control for Future Surveys

Hydro signal stations, established primarily for hydro support, were plotted onto the map and were used as reference points from which to use field measurements in positioning the mean high water line. These hydro stations are to be omitted from the final registration copy of the map.

No Forms 524 for recoverable topographic stations were received in the Compilation Office.

39. Junctions

Refer to Form 76-36B, item #5, submitted with this Descriptive Report.

40. Horizontal and Vertical Accuracy

This map complies with National Map Accuracy Standards

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

A comparison has been made with USGS quadrangle of Oregon Inlet, N.C., scale 1:24,000, edition of 1953.

47. Comparison with Nautical Charts

A comparison has been made with Chart 1229, scale 1:80,000, Aug. 5, 1963.

Items to be Applied to Nautical Charts Immediately - None.

Items to be Carried Forward - None.

Submitted by:

E. L. Rolle
for B. Kurs

Approved and Forwarded:

E. L. Rolle

E. L. Rolle
Quality Control Group

PHOTOGRAMMETRIC OFFICE REVIEW

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Original (19)

T. 11665

1. PROJECTION AND GRIDS ✓		2. TITLE ✓		3. MANUSCRIPT NUMBERS ✓	4. MANUSCRIPT SIZE ✓
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ✓			6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) None	
	7. PHOTO HYDRO STATIONS ✓	8. BENCH MARKS None	9. PLOTTING OF SEXTANT FIXES None	10. PHOTOGRAMMETRIC PLOT REPORT ✓	
	11. DETAIL POINTS ✓				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE ✓	13. LOW-WATER LINE ✓	14. ROCKS, SHOALS, ETC. ✓	15. BRIDGES None	
	16. AIDS TO NAVIGATION ✓	17. LANDMARKS ✓	18. OTHER ALONGSHORE PHYSICAL FEATURES ✓		
	19. OTHER ALONGSHORE CULTURAL FEATURES ✓				
PHYSICAL FEATURES	20. WATER FEATURES ✓		21. NATURAL GROUND COVER ✓		
	22. PLANETABLE CONTOURS None		23. STEREOSCOPIC INSTRUMENT CONTOURS None		
	24. CONTOURS IN GENERAL None		25. SPOT ELEVATIONS None		
	26. OTHER PHYSICAL FEATURES ✓				
CULTURAL FEATURES	27. ROADS ✓	28. BUILDINGS ✓	29. RAILROADS None		
	30. OTHER CULTURAL FEATURES ✓				
BOUNDARIES	31. BOUNDARY LINES None		32. PUBLIC LAND LINES None		
MISCELLANEOUS	33. GEOGRAPHIC NAMES ✓			34. JUNCTIONS ✓	
	35. LEGIBILITY OF THE MANUSCRIPT ✓	36. DISCREPANCY OVERLAY None		37. DESCRIPTIVE REPORT ✓	
	38. FIELD INSPECTION PHOTOGRAPHS ✓		39. FORMS ✓		
	SIGNATURE OF REVIEWER R. Gleason		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER			SIGNATURE OF SUPERVISOR		

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

REVIEW REPORT
T-11665
September 1976

61. General

The map was reviewed in its Class II (field inspected) stage by the Quality Control Group. The review consisted of an examination of the map, the field inspection data and its application, the reproduction negative and the Descriptive Report. The Descriptive Report contains all of the pertinent information which may be required by users of this map.

62. Comparison with Registered Topographic Surveys - None.

63. Comparison with Maps of Other Agencies

A comparison has been made with USGS quadrangle of Oregon Inlet, N.C., scale 1:24,000, edition of 1953. No significant changes were noted.

64. Comparison with Contemporary Hydrographic Surveys - None.

65. Comparison with Nautical Charts

A comparison has been made with the following nautical charts:

NOS No. 12204 (1229), scale 1:80,000, 20th Edition, March 8, 1975.
NOS No. 12205 (129-SC), scale 1:40,000, 10th Edition, March 1976.

66. Adequacy of Results and Future Surveys

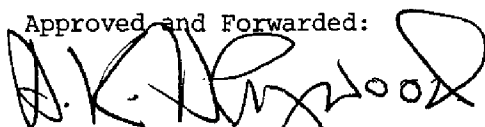
This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by:



E. L. Rolle

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

48. Geographic Name List

The following names are from "Final Name Sheet" annotated by the Geographic Names Section on USGS quadrangle of Oregon Inlet, North Carolina:

Atlantic Ocean

Billys Woods

Bodie Island

Cedar Island

Cedar Point

Clubhouse Creek

Cutthrough

Dare County

Duck Island

~~George's~~
Georges Creek

Hatteras Road

Hog^X Island

~~Lighthouse~~
Lighthouse Bay

North Carolina

N.C. 1001 (Hwy)

Oyster Creeks

Off Island

Roanoke Sound

Smith Creek

Smith Island

Theoff Point

Tommys Hammock

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED/
TO BE DELETED~~

STRIKE OUT TWO

Baltimore, Maryland

May 27

1963

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

The positions given have been checked after listing by Leroy A. Senasack

Miller J. Tonkel
Chief of Party.

NORTH CAROLINA				POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE*		LONGITUDE*								DATUM
				° ' "	D.M. METERS	° ' "	D.P. METERS							
	LIGHT	BODIE ISLAND LIGHT (BODIE ISLAND LIGHTHOUSE 1875)		35 49	06.178	75 33	149.297	N.A. Triang. T-11665	July 1962	X	X		1000, 1100 and 1229	
	LIGHT	Roanoke Sound Channel Light 13		35 51	10.222	75 37	05.637	"	"		X		1229	
	LIGHT	Roanoke Sound Channel Light 11		35 51	00.780	75 36	140.282	"	"		X		"	
	LIGHT	Roanoke Sound Channel Light 10		35 50	36.251	75 36	24.401	"	"		X		"	
	DAYBN	Wanchese Channel Daybeacon 1		35 50	29.338	75 36	11.476	"	"		X		"	
	DAYBN	Wanchese Channel Daybeacon 2		35 50	904.2	75 36	1040.9	"	"		X		"	
	DAYBN	Wanchese Channel Daybeacon 5		35 50	954.8	75 36	1061.8	"	"		X		"	
	DAYBN	Wanchese Channel Light 4		35 50	24.492	75 37	02.109	"	"		X		"	
	DAYBN	Wanchese Channel Daybeacon 5		35 50	754.8	75 37	59.2	"	"		X		"	
	DAYBN	Wanchese Channel Daybeacon 8		35 50	29.763	75 37	01.413	"	"		X		"	
	DAYBN	Roanoke Sound Channel Daybeacon 6		35 50	917.3	75 36	12.917	"	"		X		"	
	DAYBN	Roanoke Sound Channel Daybeacon 6		35 49	14.858	75 35	324.2	"	"		X		"	
	LIGHT	Roanoke Sound Channel Light 7		35 49	42.952	75 35	55.884	"	"		X		"	
	DAYBN	Roanoke Sound Channel Daybeacon 4		35 49	1323.8	75 35	1402.7	"	"		X		"	
	LIGHT	Roanoke Sound Channel Light 3		35 48	42.729	75 35	58.547	"	"		X		"	
	LIGHT	Roanoke Island Cut Through Light		35 48	1316.9	75 37	1469.5	"	"		X		"	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

* TABULATE SECONDS AND METERS

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National Archives Data

1 Discrepancy Sheet (Refer ^{to} ~~of~~ item 33 of the Compilation Report)

8 Form 152 - Control Station Identification

Listings of Mean High Water Distances (Refer to item 35 of the
Compilation Report)

Field inspection photography: 62L2989 & 2990 - 62L3024 thru 3029
(All contacts)