

T-12140

T-12140

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-12140.....

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

Field Inspected Map

LOCALITY

State North Carolina.....

General Locality Oregon Inlet.....

Locality Oregon Inlet.....

1962 TO 19 63

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 PP 12140 MAP EDITION NO. 1 MAP CLASS II Final JOB PH- 6207	
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 PH- MAP CLASS SURVEY DATES: 19__ TO 19__		JOB PH- MAP CLASS 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) <table style="width:100%;"> <tr> <td style="width:50%;">STATE North Carolina</td> <td style="width:50%;">ZONE N.A.</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>	STATE North Carolina	ZONE N.A.	STATE	ZONE
STATE North Carolina	ZONE N.A.				
STATE	ZONE				
5. SCALE 1:10,000	STATE ZONE				

III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION Stereoplanagraph - BY METHOD: <u>Bridging</u> LANDMARKS AND AIDS BY	R. Kelly & W. Heinbaugh	9/62
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coordinategraph</u> CHECKED BY	L. A. Senasack	9/62
	B. Kurs	9/62
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILED BY	B. Kurs & L. Neterer	10/62
INSTRUMENT: Kelsh Plotter	E. L. Rolle	10/62
SCALE: 1:3,000 & 1:4,000	N.A.	
	N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	L. A. Senasack & J. Grogan	5/63
	E. L. Rolle	5/63
METHOD: <u>Scribed</u>	N.A.	
	N.A.	
SCALE: 1:10,000	N.A.	
	N.A.	
5. OFFICE INSPECTION PRIOR TO HYDRO Hydro Support	E. L. Rolle	7/63
	N.A.	
6. APPLICATION OF FIELD EDIT DATA BY	N.A.	
	N.A.	
7. COMPILATION SECTION REVIEW BY	R. Glaser	8/63
8. FINAL REVIEW BY	E. L. Rolle	9/76
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	E. L. Rolle	9/76
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. T. Cater	11/76

COMPILATION SOURCES

T-12140

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) 4137-4141	5/3/62	1438	1:20,000	+0.3' MLW	
62W(P) 4152	5/3/62	1452	1:20,000	+0.4' MLW	
62W(P) 4174-4176	5/3/62	1504	1:15,000	+0.6' MLW	
62W(P) 4184-4186	5/3/62	1517	1:15,000	+0.7' MLW	
62L(I) 2997-2998	5/3/62	1547	1:20,000	+1.1' 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
T-11672	Water Area	T-12147	T-12133

REMARKS

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

T-12140

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	I. Y. Fitzgerald	7/62
RECOVERED BY	I. Y. Fitzgerald	7/62
ESTABLISHED BY	N.A.	
IDENTIFIED BY	I. Y. Fitzgerald	7/62
3. VERTICAL CONTROL	N.A.	
RECOVERED BY	N.A.	
ESTABLISHED BY	N.A.	
PRE-MARKED OR IDENTIFIED BY	N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	I. Y. Fitzgerald	7/62
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	I. Y. Fitzgerald	7/62
TYPE OF INVESTIGATION		
<input checked="" type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	I. Y. Fitzgerald	7/62
CLARIFICATION OF DETAILS BY	I. Y. Fitzgerald	7/62
7. BOUNDARIES AND LIMITS	N.A.	
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
62W4176	Bob, 1962		
62W4185	Park, 1962		

3. PHOTO NUMBERS (Clarification of details)

Field inspection photos: 62L2997 & 2998 - 62W4137 & 4138

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Two nonfloating aids were photo identified. There are no landmarks on this map.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
62W4186	Oregon Inlet Light, 1962		
62W4184	Oregon Inlet, Channel Lt. 5, 1962		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. 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-12140

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.	10/1/63	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: _____

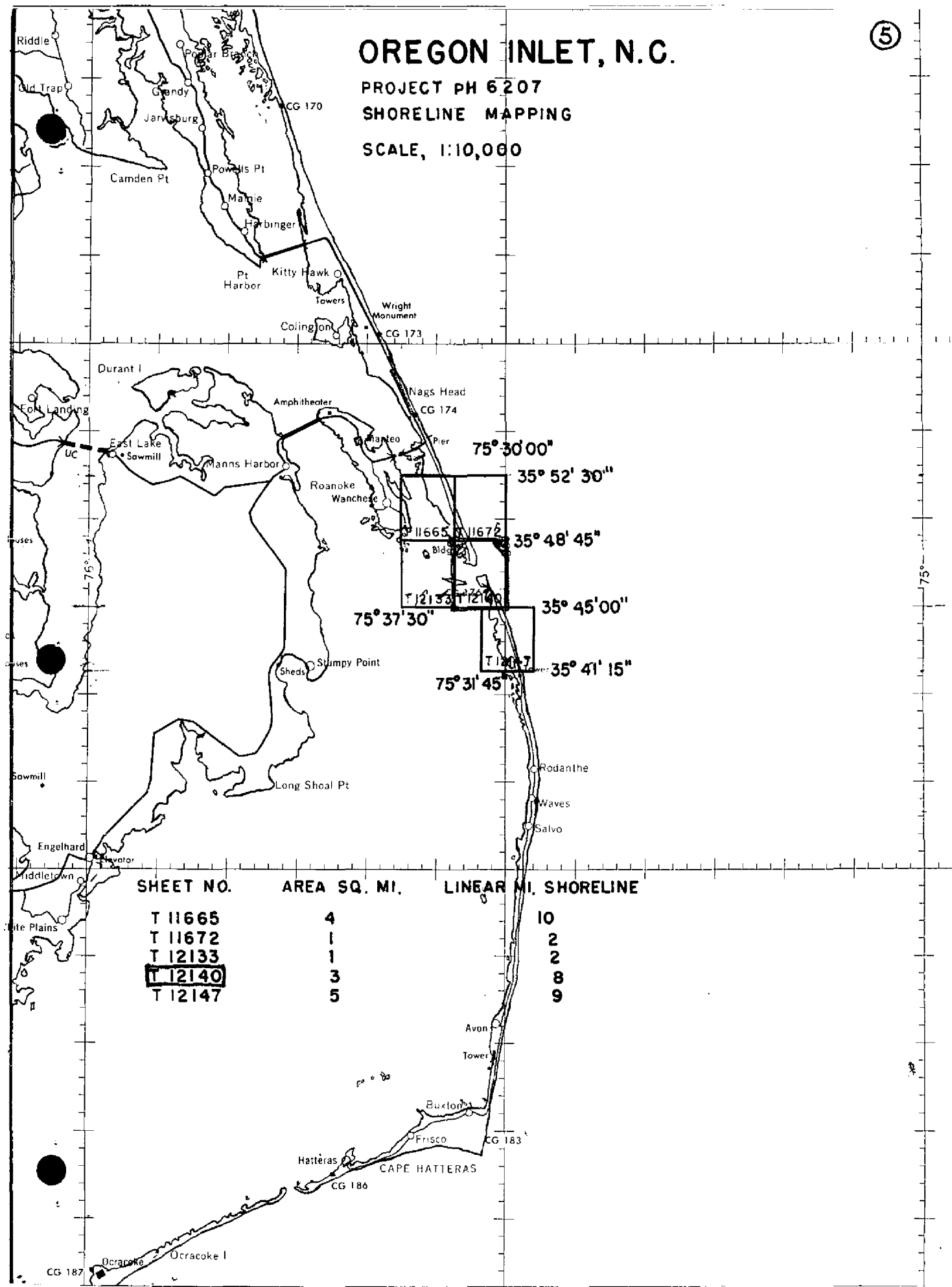
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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

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 land-marks 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.

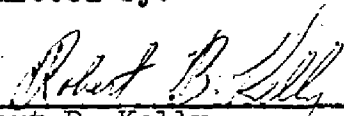
Negatives for each map are filed in the Reproduction Division. All field data are filed in the National Archives.

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

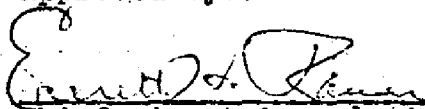
A eleven model bridge covering portions of T-12133, T-12140, T-11665 and T-12172 was run in order to control a hydrographic survey in the Oregon Inlet Area. This bridging was required after the recent severe storm on the East Coast.

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:

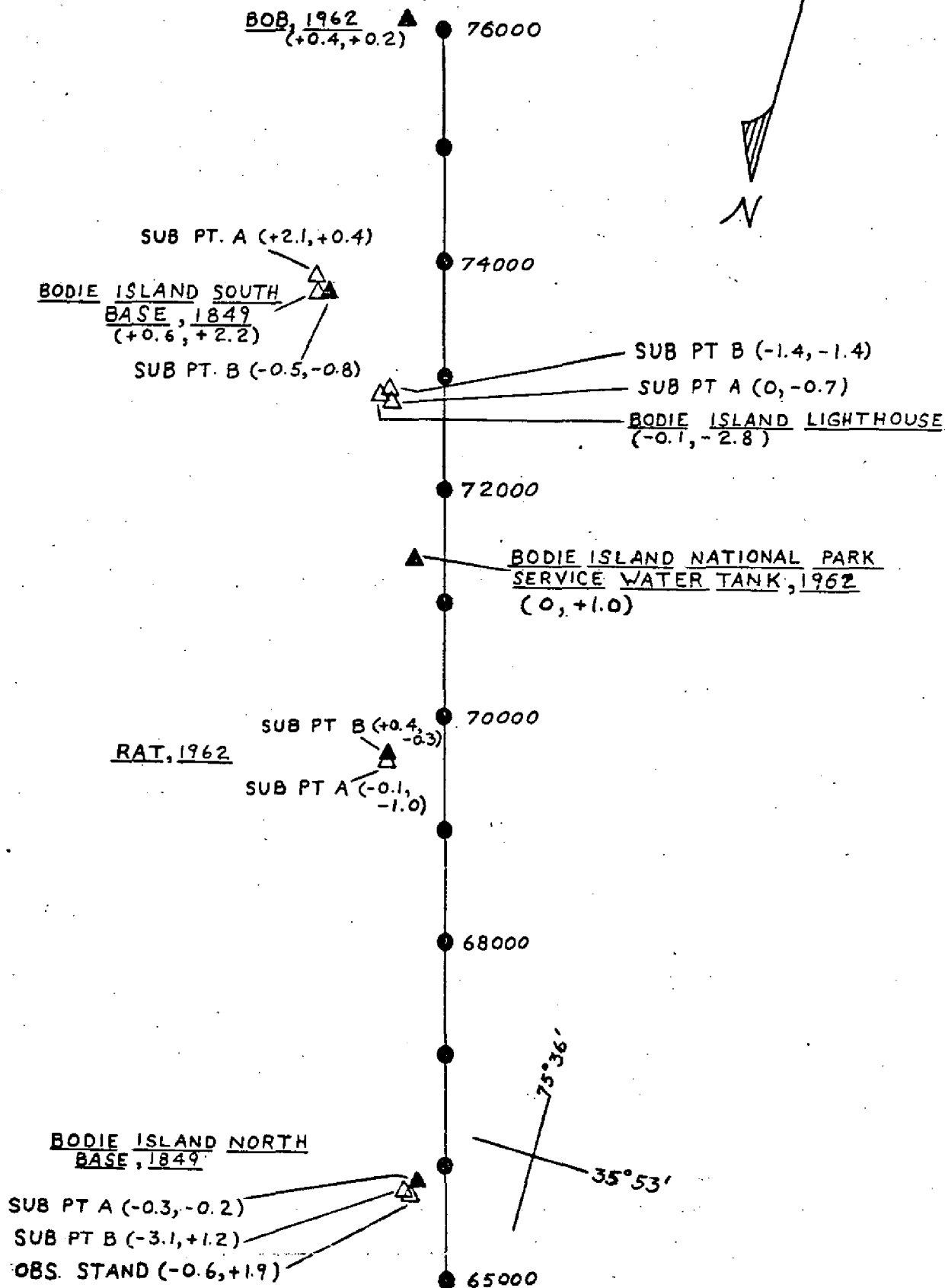

Robert B. Kelly

Approved by:


Chief, Aerotriangulation Sec.

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

9



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

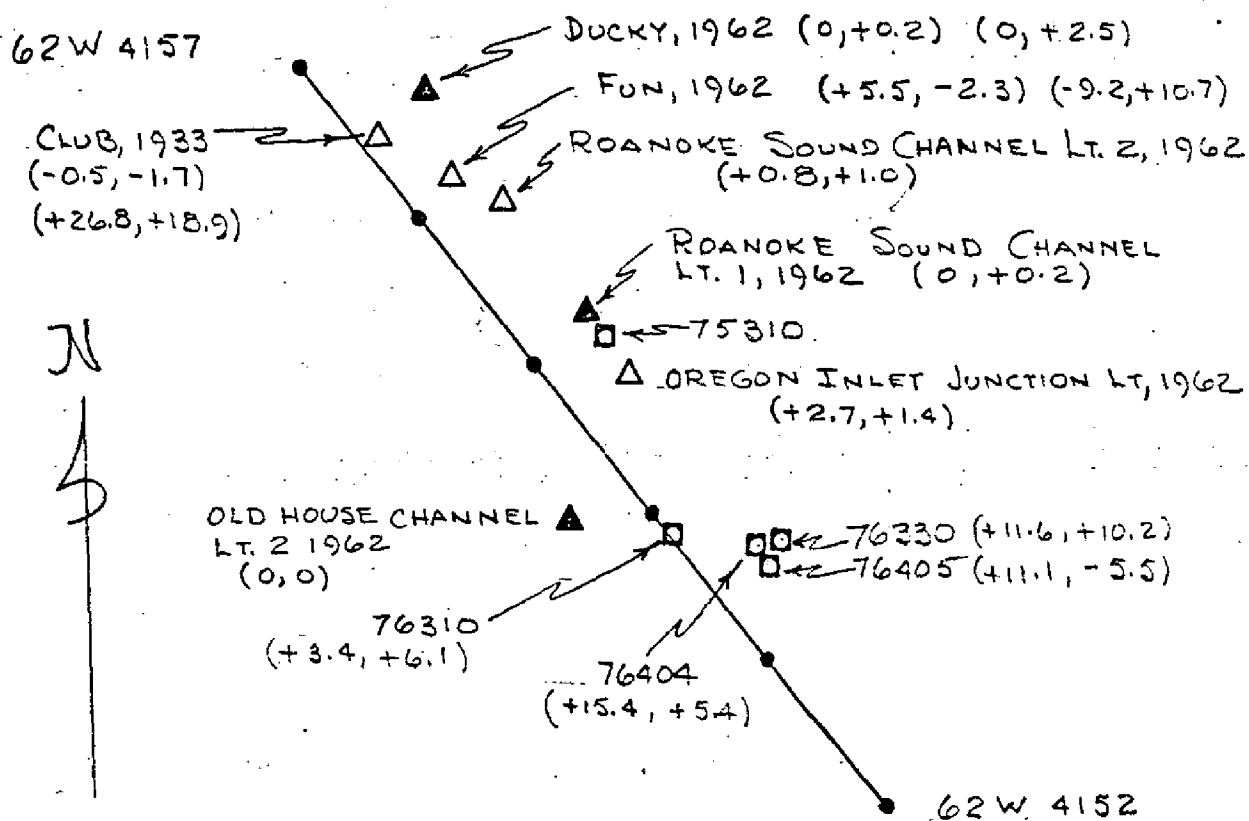
PH - 6207

OREGON INLET, N.C.

AUGUST 10, 1962

STRIP #2

(11)



LEGEND

- ▲ CONTROL USED IN ADJUSTMENT
- △ CONTROL USED AS CHECK
- TIE POINTS USED IN STRIP 1

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. 5
(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, -32.8)
(+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, -0.5)

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.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		
					PH-6207	N.A. 1927	COORDINATES IN FEET	GEOGRAPHIC POSITION	
					STATE	ZONE	φ LATITUDE	λ LONGITUDE	REMARKS
T-12140	PH-6207	PARK, 1962	Form 709		North Carolina	N.A.	φ	λ	
OREGON INLET CHANNEL LIGHT, 1962	Form 709				3, 030, 940.55	λ	φ	λ	
OREGON INLET CHANNEL LIGHT 5, 1962	Form 709				3, 028, 695.53	λ	φ	λ	
OREGON INLET CHANNEL LIGHT 10, 1962	Form 709				3, 024, 387.48	λ	φ	λ	
OREGON INLET COAST GUARD STATION CUPOLA, 1933	Vol. 1 Pg. 225				3, 030, 926	λ	φ	λ	
OREGON INLET COAST GUARD STATION FLAGPOLE, 1933	Vol. 1 Pg. 225				3, 031, 007	λ	φ	λ	
OREGON INLET CHANNEL LIGHT 13, 1962	Field Data				3, 019, 524.80	λ	φ	λ	
1320+00 (NCDC #D) 1933	Vol. 1 Pg. 225				3, 024, 953.40	λ	φ	λ	
					763, 619.59	λ	φ	λ	
					φ	λ	φ	λ	
					φ	λ	φ	λ	
COMPUTED BY L.A. Semasack	DATE 9/18/62				COMPUTATION CHECKED BY L.O. Neter				DATE 9/18/62
LISTED BY E.L. Rolle	DATE 8/11/76				LISTING CHECKED BY D.M. Brant				DATE 8/11/76
HAND PLOTTING BY L.A. Semasack	DATE 9/21/62				HAND PLOTTING CHECKED BY B. Kuts				DATE 9/21/62

COMPILATION REPORT
T-12140

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 telephone and transmission lines was by office interpretation of the photography. The delineation of dikes was also by office interpretation, aided by analogy with a field inspected dike located at South Point.

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

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

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 Pea Island from South Point to the southern limit of the map was delineated using 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 was delineated by office interpretation of the photography and 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

Forms 567 were not prepared by the field inspection party. 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~~s~~ Division prior to office review.

Walter Slough Daybeacon 3, 1962 (reported on Form 567) was removed from the map as suggested by its omission from the 1963 Light List.

Positions for Oregon Inlet Channel Daybeacon 9 and Daybeacon 12 were not submitted by the field party. Both daybeacons were reported destroyed while the photogrammetric office review was in progress. Daybeacon 9 was reported destroyed in Local Notice to Mariners No. 42 on 9/25/63 while Daybeacon 12 was reported in No. 39 on 9/11/63.

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.

The severe storm of March 1962 caused an appreciable change at Oregon Inlet. Approximately one mile of the southern end of Bodie Island was washed away. The inlet is now one mile wider than the half mile width depicted on the comparison copy of the USGS quadrangle.

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

50-

PHOTOGRAMMETRIC OFFICE REVIEW

T. 12140

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Original

(18)

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		18. OTHER ALONGSHORE PHYSICAL FEATURES ✓
	16. AIDS TO NAVIGATION ✓	17. LANDMARKS None	
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
	33. GEOGRAPHIC NAMES ✓		
MISCEL- LANEOUS	34. JUNCTIONS ✓		37. DESCRIPTIVE REPORT ✓
	35. LEGIBILITY OF THE MANUSCRIPT ✓	36. DISCREPANCY OVERLAY None	
	38. FIELD INSPECTION PHOTOGRAPHS ✓		39. FORMS ✓
	SIGNATURE OF REVIEWER R. Glaser		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT
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

USC OMM-DC 25353-P61

REVIEW REPORT
T-12140
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.

The severe storm of March 1962 caused an appreciable change at Oregon Inlet. Approximately one mile of the southern tip of Bodie Island was washed away. The inlet is now one mile wider than the half mile width depicted on the comparison copy of the USGS quadrangle.

64. Comparison with Contemporary Hydrographic Surveys - None.

65. Comparison with Nautical Charts

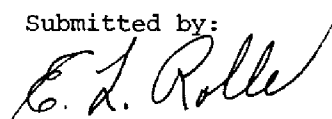
A comparison has been made with the following nautical charts:

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

Big Tim Island

Bodie Island

Dare County

Davis Slough

Green Island

Hatteras Road

Herring Shoal Island

Motts Creek

North Carolina

N.C. 1001 (Hwy)

Oregon Inlet

Pea Island

Pea Island National Wildlife Refuge (not labeled on map)

South Point

Walter Slough

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE CHARTED
TO BE CHARTED

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

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

May 28 1963

Baltimore, Maryland

Miller J. Tonkel Chief of Party.

[illegible]

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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T-12140

National Archives Data

1 Discrepancy Sheet (Refer to item 33 of the Compilation Report)

5 Form 152 - Control Station Identification

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

Field inspection photography: 62L2997 & 2998 - 62W4137 & 4138
(All contacts)