

TP-00490

TP-00490

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. CM-7202 ..... Map No. TP-00490

Classification No. ..... Edition No. ....  
Final (Field Edited) Edition

### LOCALITY

State ..... Maryland

General Locality ..... Rhode River

Locality ... Bear Neck Creek to  
Dutchman Point

19 71 TO 1972

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE  <u>Rockville, Maryland</u> OFFICER-IN-CHARGE  <u>Cdr. Wesley V. Hull</u>		SURVEY TP. <u>00490</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>Final</u> JOB <u>CM-7202</u> XPS	
PHOTOGRAMMETRIC OFFICE  <u>Rockville, Maryland</u> OFFICER-IN-CHARGE  <u>Cdr. Wesley V. Hull</u>		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__	
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
Aerotriangulation 11/29/71 Compilation 1/25/72		10/4/71	
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" 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 Maryland ZONE	
5. SCALE 1:5,000		STATE ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		<u>D. Norman</u>	<u>12/71</u>
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY		<u>D. Phillips</u>	<u>12/71</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		<u>P. Dempsey</u>	<u>12/71</u>
INSTRUMENT: <u>B-8</u>		<u>J. Richter</u>	<u>1/72</u>
SCALE: <u>1:5,000</u>		<u>Inapplicable</u>	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		<u>M. Webber</u>	<u>1/72</u>
METHOD: <u>Ink</u>		<u>J. Battley, Jr.</u>	<u>1/72</u>
SCALE:		<u>Inapplicable</u>	
HYDRO SUPPORT DATA BY		<u>J. Richter</u>	<u>1/72</u>
CHECKED BY		<u>J. Battley, Jr.</u>	<u>1/72</u>
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		<u>J. Richter</u>	<u>2/72</u>
6. APPLICATION OF FIELD EDIT DATA BY		<u>J. Richter</u>	<u>8/72</u>
CHECKED BY		<u>J. Battley, Jr.</u>	<u>8/72</u>
7. COMPILATION SECTION REVIEW BY		<u>J. Richter</u>	<u>8/72</u>
8. FINAL REVIEW BY		<u>J. Battley, Jr.</u>	<u>8/72</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		<u>J. Richter</u>	<u>4/74</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>S. Blankenbaker</u>	<u>5/74</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>R. CATOK</u>	<u>9/76</u>

TP-00490

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) "L" 6in. focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C)181 - 186	11/4/71	09:40	1:20,000	-0.3ft. MLW	
71L(C)190-197	"	09:48	1:20,000	-0.3ft. MLW	
71L(C)297-301	"	11:06	1:15,000	-0.3 ft. MLW	
71L200R-205R	"	10:01	1:15,000	(Black&white IR) -0.3 ft. MLW	
71L208R-214R	"	10:11	1:15,000	-0.4 ft. MLW	
71L227R-232R	"	10:25	1:15,000	-0.4 ft. MLW	
*See item 2 below					

REMARKS Tide stage values listed above are based on preliminary tidal datums (3 month observations), Range 0.92. Tide data furnished by Tidal Datum Plane's Section. *Head*

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW line was compiled from the 1:20,000 scale color photographs listed under item 1, above. Field edit of the line was accomplished during April-May 1972.

\*Color Infrared photography:

71L(C)237R-245R	11/4/71	10:40AM	1:15,000	-0.3MLW
71L(C)248R-251R	11/4/71	10:50AM	1:15,000	-0.3MLW

NOTE: Color infrared photography was used in bridging - 1:15,000 scale, true color photography was used in hydro support.

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

The MLW line was compiled from the black and white infrared photographs listed under item 1, subsequent to the field edit of the map (refer to the Field Edit and Final Review Reports)

## 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
H-9280	1972 -	Refer to the Final Review Report			

## 5. FINAL JUNCTIONS

NORTH N.N.A.	EAST N.A.	SOUTH N.A.	WEST N.A.
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REMARKS

TP-00490

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

\*See Section II, item 1 below

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.D. Olson	5/72
2. HORIZONTAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY " " " "	
3. VERTICAL CONTROL	RECOVERED BY " " " " ESTABLISHED BY " " " "	
4. LANDMARKS AND AIDS TO NAVIGATION	Office identified-verified by R.D. Olson	4/72
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	Delineated names were verified by - R.D. Olson April - May 1972
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R.D. Olson	4/72
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

\* Pre-compilation field work consisted of (1) the premarking of horizontal control, (2) leveling, and (3) tide station observations. Refer to page 8 of this Descriptive Report.

3. PHOTO NUMBERS (Clarification of details)

71L298, 299, 300, 239R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Charted landmarks and aids to navigation were office identified and located prior to field edit. These objects were verified by the field editor.

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

CSI Cards

Form 258 - Staff readings records - Tide station

Form 258 - Leveling records - Tide station

(4)

## RECORD OF SURVEY USE

TP-00490

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline for hydro-support	1/72	Class III Manuscript		1/26/72
Field edit applied and final reviewed	7/72	Chart Maintenance Print forwarded (Class I Map)	Aug. 1972	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
	1644(72)	Nov.1, 1972	Only one report submitted for job.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Aug. 19723. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: N.A.

## 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.  
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	

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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT  
TP-00490, CM-7202  
August 1972

This project consists of one shoreline manuscript, TP-00490, compiled to provide a base for a hydrographic survey requested by the USGS and to updated Chart 550SC. TP-00490 covers the Rhode River, Maryland, in its entirety along with numerous adjoining creeks.

Field operations began in October 1971 requiring the placement of targets on selected triangulation stations for aerotriangulation control and the monitoring of a tide staff for tide coordinated infrared photography. All photography was flown on November 4, 1971.

The analytic bridging for the project area was completed in December 1971. (See Photogrammetric Plot Report.)

The manuscript was compiled in the Washington office, Coastal Mapping Section, from 1:20,000 scale color photography utilizing the B-8 stereo-plotter. Infrared photography was flown at MLW for delineation of a MLWL and color infrared was flown for evaluation. The 1:15,000 scale color photography was enlarged to manuscript scale and prepared in the usual manner for photo-hydro support.

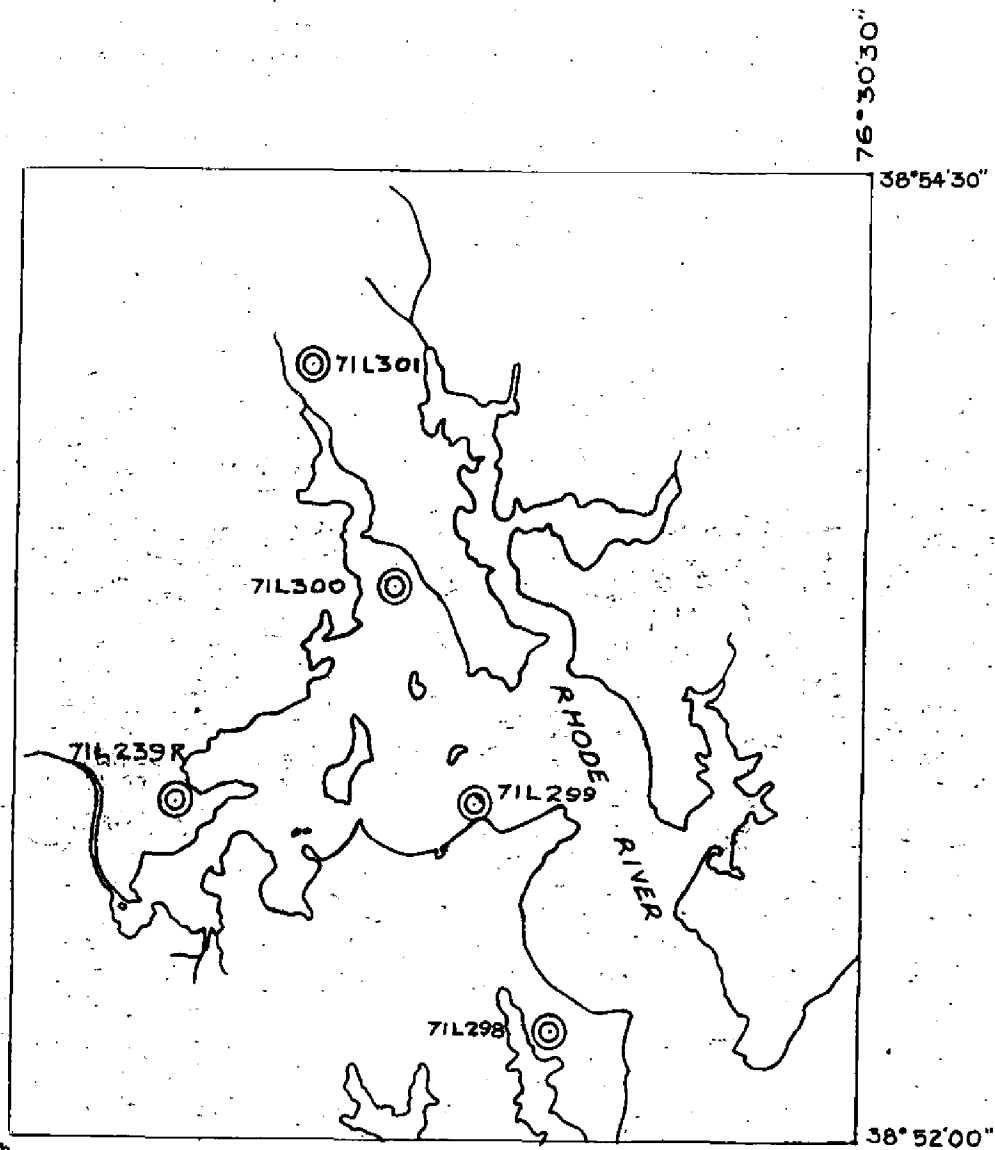
Field edit operations along with photo-hydro support was completed in June 1972. The application of field edit revisions and/or additions was completed in the Washington office in August 1972. The final manuscript was reviewed and registration copy ordered in August 1972.

A chart maintenance copy was prepared for Marine Charts, indicating the location of small craft facilities located during field edit and other pertinent items.

A "Registration Manuscript Copy" will be registered in the Bureau Archives. The negative of TP-00490 is on file in the Reproduction Division.

Submitted by:

*John P. Battley, Jr.*  
J. P. Battley, Jr.  
Cartographer



PROJECT DIAGRAM

⊙ Indicates photographs prepared for hydro support



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**U.S. DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**

Project CM-7202  
Rhode River, Maryland

This project was executed in the field from 16 October 1971 through 5 November 1971 in accordance with Instructions dated 4 October 1971, C-3413. These Instructions were amended by additional verbal instructions from the Rockville Office.

The work was prolonged by weather which was unsuitable for photography. All photography was flown on 4 November 1971. The infrared low-water pictures were taken between 1100 and 1130 hours while the staff at the Smithsonian Pier held steady at 8.1 feet, which is 0.2 foot below MLW.

Throughout this period, there were several days of unusually high tides due to the prevailing wind. The highest reading observed on the staff was 10.4 feet, which is 1.1 feet above MHW.

Levels were run to the tide staff on 18 October 1971, and the results checked with the published data. Form 258 is inclosed.

All stations that were premarked for horizontal control were monitored daily.

6 November 1971

Submitted by:

*Philip B. Walbolt*

Philip B. Walbolt  
Surveying Technician



PHOTOGRAMMETRIC PLOT REPORT  
Job CM-7202  
Rhode River, Maryland - Shoreline Mapping  
December 1971

21. Area Covered

This report covers analytic bridging for compilation of one 1:5,000 scale, TP-00490, in the Rhode River, Maryland.

22. Method

One strip, 71-L(C)-181 thru 188, at 1:20,000 scale, was bridged. Points were furnished to control supplemental color and infrared (false color) photography taken at a scale of 1:15,000.

Sufficient points were furnished so that individual models of strip 71-L(C)-297 thru 302 could be set for compilation using the B-8 stereoplotter.

For the remaining supplemental photography, 71-L(C)-236R thru 252R, enough points were established to determine the proper ratio. These prints have been ordered.

All horizontal control and points established are on the Maryland State Plane Coordinate System (Lambert). Values were furnished for ruling and plotting using the Coradomat.

23. Adequacy of Control

The premarked horizontal control was at a minimum but was adequate. Sketch attached shows horizontal control, bridging and supplemental photography.

24. Supplemental Data

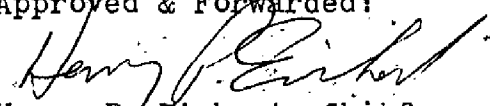
The necessary vertical control points were selected using the USGS quadrangle in the mapping area.

25. Photography

Photography was adequate in all respects.

Respectfully submitted:

Approved & Forwarded:

  
Henry P. Eichert, Chief  
Aerotriangulation Section

  
Don O. Norman

2

EDGE 1933

71L(C)188

76°30'30"

38°52'30"

71L(C)391

71L(C)251R

LETT'S  
1933

71L(C)241R

71L(C)237R

CALF RM 1  
1906

71L(C)240R

71L(C)245R

TP-00490

71L(C)242R

38°52'00"

76°33'00"

TOBACCO 1933

71L(C)297

71L(C)181

LEGEND:

- △ HORIZ. CONTROL USED IN BRIDGE
- 1:15,000 SCALE COLOR PHOTOS
- 1:15,000 SCALE INFRARED COLOR PHOTOS
- 1:20,000 SCALE COLOR PHOTOS

JOB CM-7202  
RHODE RIVER  
MARYLAND  
SHORELINE MAPPING  
SCALE: 1" = ~~5,000~~  
5,000

COMPILATION REPORT  
TP-00490

31. Delineation

This project is one manuscript of Rhode River and its tributaries at 1:5,000 scale. Color photographs at 1:20,000 scale were set on the B-8 stereoplotter for delineation of the shoreline and foreshore features.

Prominent objects or points were transferred to the 1:5,000 scale ratioed photographs for use in hydro support. These points were positioned by the B-8 stereoplotter.

32. Control

Control was adequate for density and placement. Vertical control was water level.

33. Supplemental Data

None

34. Contours and Drainage

Inapplicable

35. Shoreline and Alongshore Details

All shoreline and alongshore detail was from office interpretation of the photographs. No low water or shoal lines were shown. (*Low water line added after field edit.*)

36. Offshore Details

No comment

37. Landmarks and Aids

One landmark and eight aids were located and are to be verified by field edit.

39. Junctions

There are no contemporary surveys adjoining this manuscript.

40. Horizontal and Vertical Accuracy

This map compl<sup>ie</sup>ys with the National Standards of Accuracy.

41. thru 45.

Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS Quadrangles Deale, Maryland, and South River, Maryland, scale 1:24,000, dated 1957.

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart No. 550, scale 1:40,000, 10th Edition, November 28, 1970.

Items to be applied to Nautical Charts immediated: None

Items to be carried forward: None

Respectfully submitted:

*John C. Richter*  
John C. Richter

Approved and forwarded:

*Jeter P. Battley Jr.*  
J. P. Battley, Jr.

TP-00490

49. Notes to the Hydrographer

A few areas of shoreline were delineated as approximate due to tree overhang. This shoreline should be field inspected.

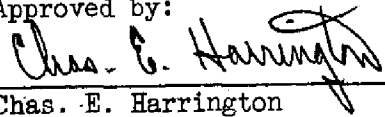
As a few of the photographs prepared for hydro-support were tilted, care should be taken in positioning selected hydro signals.

13 May 1974

GEOGRAPHIC NAMES  
FINAL NAME SHEET  
CM-7202 (Maryland)

TP-00490

Bear Neck Creek	Fox Creek
Big Island	High Island
Boathouse Creek	Locust Point
Cadle Creek	Muddy Creek
Camp Letts	Murray Wharf
Camp Wabanna	Rhode River
Carr Wharf	Sand Point
Cheston Creek	Scaffold Creek
Cheston Point	Sellman Creek
Cloverlea	Sheephead Cove
Contees Wharf	Steiners Wharf
Corn Island	Whitemarsh Creek
Dutchman Point	
Flat Island	

Approved by:  
  
Chas. E. Harrington  
Staff Geographer

(15)

FIELD EDIT REPORT  
TP 00490  
RHODE RIVER  
CM 7202  
Rhode River, Maryland

52. ADEQUACY OF COMPILATION

\* See below

Compilation was lacking in the delineation of the mean high water line where photos flown at low water confused the distinction between the low water line and the mean high water line. In some cases, shoreline delineation was not changed by compiling the low water line and compilation was adequate. Where changes were necessary, photos 71L298, 300, and 239R were used to delineate the high water line.

Where tree overhang hindered accurate compilation, sextant fixes and distances to identifiable points on shore were taken and plotted on the mylar T-sheet. The signals included on the T-sheet were used for the fixes. Additional pilings, piers, and other field notes are included on the field edit ozalid and on the photos mentioned above with the addition of photo 71L299.

54. RECOMMENDATIONS

When photos representing the area are taken at times other than at high water, care should be taken to compile the mean high water line and not the water line at the time photography was taken.

56. GEOGRAPHIC NAMES

The names applied during compilation are those currently used by residents and other persons contacted in the Rhode River area.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

One landmark is recommended for charting. It is a cupola located on Dutchman Point and was field verified.

Eight aids to navigation are recommended for charting. All aids were compiled prior to field edit and were all verified either photogrammetrically or by sextant checks in the field.

The landmark and aids were used as hydro signals for boatsheet HFP 742 5-1-72 (H9280) and positions scaled by this party for the signals should be used in form NOAA76-40 "Nonfloating Aids or Landmarks For Charts".

58. MISCELLANEOUS

All times mentioned on the field edit ozalid refer to local standard time (time zone 5, 75° longitude).

A signal list containing the positions of all signals used is attached along with a list of all fixes taken.

\* No MLW line was shown on the manuscript copy used in field edit. These lines were delineated from office interpreted infrared photographs subsequent to the field edit. Due to the small range of tide and steep slope of the beach in some areas, the MHW and MLW lines converge for mapping purposes.

Respectfully Submitted,



Richard D. Olson

LT. N.O.A.A.

Chief, Photo Party 61

(16)

Review Report  
TP-00490  
August 1972

61. General Statement

The mean high-water line was compiled from color photography. The line was inspected, in detail, during field edit, and is shown without change on the verified smooth sheet for the contemporary hydrographic survey (refer to heading 64., below).

The mean low-water line was not delineated on the manuscript prior to field edit. Subsequent to field edit, the line was delineated from office interpreted, tide coordinated black and white infrared photography. Except for a few minor adjustments, the photogrammetrically compiled line is shown on the smooth sheet without change.

62. Comparison with Registered Topographic Surveys

Comparison was made with T-8264, 1:20,000 scale, dated 1942-43, and T-5437, 1:10,000 scale, dated 1935. These surveys are superseded as a base for nautical charting in areas common to TP-00490.

63. Comparison with Maps of Other Agencies

Comparison was made with USGS quadrangles South River, Maryland, and Deals, Maryland, scale 1:24,000, dated 1957. No significant differences were noted.

64. Comparison with Contemporary Hydrographic Surveys

H-9280, scale 1:5,000 1972

The map was compared with the verified smooth sheet. With the exception of the minor adjustments in mean low-water line mentioned under heading 61., above, the surveys are in agreement.

The discrepancy noted in the hydrographic survey Descriptive Report (page 3, heading K, item 2) was also noted by the field editor. This error in symbolization has been corrected on the map.

65. Comparison with Nautical Charts

No. 550 SC, scale 1:40,000, 10th edition. No significant differences were noted.



66. Adequacy of Results and Future Surveys

This map complies with project instructions except that interior roads are not shown. A comparison with the chart showed no significant changes in the charted roads.

Reviewed by:

*J.P. Battley*

J.P. Battley  
Chief, Coastal Mapping Section

Approved by:

*W. S. Duff*  
Chief, Photogrammetric Branch

*W. S. Duff*  
Chief, Coastal Mapping Division

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION												
NONFLOATING AIDS TO NAVIGATION FOR CHARTS												
ORIGINATING LOCATION					DATE							
Rockville, Maryland					10-1-72							
The following objects have (have not) been inspected from seaward to determine their value as landmarks:					DATE							
					1/25/72							
NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.	JOB NUMBER XPH- CM-7202		SURVEY NUMBER T- TP- 00490		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)			ORIGINATING ACTIVITY <input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input checked="" type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)		
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED	CHARTING NAME		DESCRIPTION		LATITUDE D.M. METERS		LONGITUDE D.M. METERS		FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
	LIGHT 2		Rhode River Entrance Light 2		38 52 04.0		76 30 50.8			711297	4/71/72	
	DAYBN		Daybeacon 3		38 52 12.1		76 31 0.8			711298	"	550
	DAYBN		Daybeacon 4		38 52 30.6		76 31 5.4			711298	"	550
	DAYBN		Daybeacon 6		38 52 38.7		76 31 7.5			711298	"	550
	DAYBN		Cadle Creek Daybeacon		38 52 48.2		76 30 55.3			711298	"	550
	LIGHT 7		Rhode River Light 7		38 52 59.6		76 31 23.1			711299	"	550
	DAYBN		White Marsh Creek Daybeacon 1		38 53 17.2		76 31 30.5			711299	"	550
	DAYBN		Daybeacon 3		38 53 23.4		76 31 28.6			711299	"	550
					38 53 722.7		76 31 689.0			11/4/71	"	550
												18

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	TITLE
1. Objects expected from seaward	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	FIELD INSPECTOR
3. Forms originated by Quality Control and Review Group and final review activities	FIELD EDITOR COMPILER <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW <input type="checkbox"/> GROUP REPRESENTATIVE

### INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.  
'Field Positions' are determined by field observations based entirely upon ground control.

#### COLUMN TITLE

#### TYPE OF ENTRIES

#### COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

#### FIELD INSPECTION AND FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

- F — Field
1. Triangulation
  2. Traverse
  3. Intersection
  4. Resection
    - a. Theodolite
    - b. Planetable
    - c. Sextant

P — Photogrammetric

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	TITLE
1. Objects inspected from seaward	Richard D. Olson FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR <input checked="" type="checkbox"/>
2. Positions determined and/or verified	Richard D. Olson (verified) FIELD INSPECTOR John Richter (determined) FIELD EDITOR COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW <input type="checkbox"/> GROUP REPRESENTATIVE

### INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.  
'Field Positions' are determined by field observations based entirely upon ground control.

#### COLUMN TITLE

#### COMPILATION

#### TYPE OF ENTRIES

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

#### FIELD INSPECTION AND FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

- F — Field
1. Triangulation
  2. Traverse
  3. Intersection
  4. Resection
    - a. Theodolite
    - b. Planetable
    - c. Sextant

P — Photogrammetric

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

#### EXAMPLES:

F. 3.c

P.2

Immediately beneath the data described above, enter the following:

- a. For 'Field Positions' enter the date of location.
- b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- TP-00490 PROJECT NO. CM 7202 SCALE OF MAP 1:5000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR LONGITUDE OR COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
TOBACCO, 1933	P.C. p. 19	81100	927,082.63.	
TOBACCO, RM #1			375,458.86	
			927,240.40	
			375,411.22	
			927,627.59	
TOBACCO, sub. pt. (target)		81101	375,862.31	
CALF RM(MSFC), 1906	P.C. p. 288	83100	934,204.91	
			384,478.49	
CALF, sub. pt. (target) ✓		83101	934,573.26	
			384,376.90	
LETTTS, 1933	P.C. p. 19	84100	932,372.79	
			388,482.12	
LETTTS, sub.pt. (target) ✓		83102	932,218.42	
			388,425.28	
EDGE, 1933	P.C. p. 131	87100	925,145.34	
			407,269.55	
RHODE RIVER ENTRANCE BEACON				
CAMP LETTS, Tank, 1933	P.C. p. 307	1	933,875.18	
			385,201.74	
CADLE CREEK FLAGPOLE, 1933	p. 307	2	937,340.45	
			382,214.70	
SAND 1933	P. 112	3	936,840.95	
			378,515.28	

COMPUTED BY *[Signature]* DATE *11/1/68* CHECKED BY *[Signature]* DATE *11/1/68*

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## SIGNAL LIST

BOAT SHEET H-9280 HWP-742-5-1-72

22

SIGNAL NUMBER	LAT.	LONG.	
501	38° 52' 1471.1"	76° 33' 333.7"	
502	38 52 1396.3	76 33 325.8	
503	38 52 1297.9	76 33 293.4	
504	38 52 1184.7	76 33 210.5	
505	38 52 1114.3	76 33 198.9	
506	38 52 1115.3	76 32 1420.8	
507	38 52 1515.6	76 33 133.0	
508	38 52 1140.5	76 32 926.2	
510	38 52 964.4	76 32 1181.0	
511	38 52 1317.1	76 32 1106.7	
512	38 52 1401.4	76 32 977.3	
513	38 52 1540.8	76 32 1225.3	
514	38 52 1693.2	76 32 954.6	
516	38 52 1501.6	76 32 888.8	
518	38 52 1804.0	76 32 1308.1	
520	38 53 105.4	76 32 1180.4	
522	38 53 245.5	76 32 747.7	
524	38 52 1796.1	76 32 512.8	
526	38 52 1499.7	76 32 311.1	
528	38 52 1101.3	76 32 583.7	
530	38 52 1390.1	76 32 964.0	
534	38 52 1559.1	76 31 1155.7	
536	38 53 114.4	76 31 1218.7	
538	38 53 1495.0	76 32 18.6	
540	38 53 513.8	76 32 439.0	
542	38 53 527.6	76 32 493.5	
544	38 53 683.5	76 32 636.0	
546	38 53 782.8	76 32 303.6	
548	38 53 1035.6	76 32 359.2	
550	38 53 1245.7	76 32 326.0	
552	38 53 1394.2	76 32 405.5	
554	38 53 1492.1	76 32 311.0	
556	38 53 1625.2	76 32 613.5	
558	38 54 79.8	76 32 489.2	
560	38 53 895.6	76 31 1305.1	
562	38 53 535.4	76 31 1101.5	
564	38 53 531.9	76 31 734.5	Daybeacon #1
566	38 53 722.3	76 31 688.6	Daybeacon #3
568	38 53 863.8	76 31 705.4	
570	38 53 1035.1	76 31 828.1	
572	38 53 119.5	76 31 945.7	
574	38 53 1140.7	76 31 1255.9	
576	38 53 1347.4	76 31 1044.7	
578	38 53 1381.1	76 31 1159.3	



SIGNAL LIST  
BOAT SHEET H-9280 HFP-712-1-70

23

SIGNAL NUMBER	LAT.	LONG.	
580	38° 53' 1534.9"	76° 31' 1045.9"	
582 *584	38 53 1711.7-	76 31 1009.2-	
586	38 54 66.0-	76 31 1112.9-	
588	38 54 38.9-	76 31 1441.9-	
590	38 54 211.0-	76 31 1351.0-	
592	38 53 1386.7-	76 31 920.1-	
593	38 53 1308.4-	76 31 884.3-	
594	38 53 1323.5-	76 31 774.9-	
596	38 53 1447.6-	76 31 625.8-	
598	38 53 1458.2-	76 31 464.4-	
600	38 53 1233.3-	76 31 435.4-	
601	38 53 1271.7-	76 31 288.5-	
602	38 53 1366.9-	76 31 244.0-	
604	38 53 1380.1-	76 31 108.0-	
606	38 53 475.0-	76 31 636.4-	
608	38 53 225.2-	76 31 221.9-	
610	38 52 1837.2-	76 31 555.9-	Light #7
612	38 52 1657.1-	76 31 611.5-	
614	38 52 1713.7-	76 31 177.1-	
616	38 53 323.6-	76 30 1365.6-	
618	38 53 318.0-	76 30 1221.0-	
620	38 53 153.2-	76 30 1170.7-	
622	38 52 1803.2-	76 30 1103.6-	
624	38 52 1632.1-	76 30 1367.4-	
626	38 52 1471.5-	76 30 1154.4-	
628	38 52 1486.1-	76 30 1332.9-	Daybeacon #1
630	38 52 1263.2-	76 30 1433.6-	
632	38 52 1192.4-	76 31 180.8-	Daybeacon #6
634	38 52 987.7-	76 31 1019.4-	
636	38 52 1059.0-	76 30 1446.2-	
638	38 52 942.5-	76 31 129.4-	Daybeacon #4
640	38 52 796.5-	76 30 1227.7-	
642	38 52 605.3-	76 31 319.9-	
644	38 52 448.9-	76 30 1121.6-	
646	38 52 378.2-	76 31 19.5-	Daybeacon #3
648	38 52 77.5-	76 31 297.1-	
650	38 52 29.4-	76 30 1223.2-	Light #2
652	38 52 377.3-	76 30 889.8-	Cupola
* 584	38 53 1755.6-	76 31 1205.7-	

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