

TP-00325

TP-00325

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 7012.....	Map No. TP00325.....
Classification No. <i>Final</i>	Edition No. ... <i>1</i>
<i>Field Edited map</i>	
LOCALITY	
StateVirginia - Maryland.....	
General Locality ..Potomac River.....	
LocalityHallowing Point.....	
.....	
1971 TO 1973	
REGISTRY IN ARCHIVES	
DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

dto

12285 A. D.K. 9-16-77

12288

12289 Part Applied BW 9-5-78

Superseded by BP102089

TYPE OF SURVEY

SURVEY TP. 00325

DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEYMAP CLASS *Field edited*☐ REVISEDFINAL
JOB PH. 7012

PHOTOGRAMMETRIC OFFICE

Rockville, Maryland

OFFICER-IN-CHARGE

James Collins, Cdr.
(Jack E. Guth)

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

JOB PH. _____

☐ ORIGINAL

MAP CLASS _____

☐ RESURVEY

SURVEY DATES:

☐ REVISED

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

2. FIELD

Aerotriangulation 12/6/71
Photogrammetric (office) 2/29/72
(Review of Instructions 2/24/72)
(Field)Hydro Support & Edit 1/9/73
(instructions missing)

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

☒ MEAN HIGH-WATER
☐ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE Virginia

ZONE North

5. SCALE

1:10,000

STATE Maryland

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D.M. Brant	4/72
METHOD: Analytical	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	5/72
METHOD: Coradimat	CHECKED BY	N.A.	
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	J.C. Richter & R. Rich	5/72
COMPILATION	CHECKED BY	J. Batteley, Jr.	5/72
INSTRUMENT: B-8	CONTOURS BY	N.A.	
SCALE: 1:10,000	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	J.C. Richter	5/72
	CHECKED BY	J. Battley, Jr.	5/72
METHOD: Graphic worksheets	CONTOURS BY	N.A.	
	CHECKED BY		
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	J.C. Richter	5/72
	CHECKED BY	J. Battley, Jr.	5/72
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley, Jr.	5/72
6. APPLICATION OF FIELD EDIT DATA	BY	J. Taylor	10/75
	CHECKED BY	P. Dempsey	6/76
7. COMPILATION SECTION REVIEW	BY	P. Dempsey	6/76
8. FINAL REVIEW	BY	J. B. Phillips	9/76
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R.T. CATOK	3/77

COMPILATION SOURCES *TP-00325*

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

*"L" 6" Focal length*TYPES OF PHOTOGRAPHY
LEGEND*4c* (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE

ZONE

Eastern☒ STANDARD

MERIDIAN

75th☐ DAYLIGHT

TIDE STAGE REFERENCE

☒ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71L(C)399 thru 402	11/4/71	<i>10:15</i>	1:40,000	<i>1.2' above MLW</i>
71L(C)389	11/4/71	<i>9:59</i>	1:40,000	<i>1.6' above MLW</i>
71L(C)357 thru 360	11/4/71	1:03 <i>13:03</i>	1:20,000	<i>-0.1' below MLW</i>
71L(C)502 and 506	11/5/71	11:51	1:20,000	<i>0.9' above MLW</i>
71L(C)516 thru 518	11/5/71	12:05	1:20,000	<i>0.8' above MLW</i>

REMARKS

1:20,000 scale ratioed to 1:10,000 for hydro support.

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation from 1:40,000 scale bridging photography dated 11/4/71.

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

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
TP-00321	No contempor- ary survey	TP-00327	TP-00324

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00325
HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION				☒ FIELD EDIT OPERATION			
OPERATION		NAME		DATE			
1. CHIEF OF FIELD PARTY		James W. Davis		8/73			
2. HORIZONTAL CONTROL		RECOVERED BY		James W. Davis		8/73	
		ESTABLISHED BY					
		PRE-MARKED OR IDENTIFIED BY					
3. VERTICAL CONTROL		RECOVERED BY					
		ESTABLISHED BY					
		PRE-MARKED OR IDENTIFIED BY					
4. LANDMARKS AND AIDS TO NAVIGATION		RECOVERED (Triangulation Stations) BY		James W. Davis		8/73	
		LOCATED (Field Methods) BY		James W. Davis		8/73	
		IDENTIFIED BY		James W. Davis		8/73	
5. GEOGRAPHIC NAMES INVESTIGATION		TYPE OF INVESTIGATION					
		☐ COMPLETE		BY			
		☐ SPECIFIC NAMES ONLY					
		☒ NO INVESTIGATION					
6. PHOTO INSPECTION		CLARIFICATION OF DETAILS BY		James W. Davis		8/73	
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		
3. PHOTO NUMBERS (Clarification of details) NOS 4 NOV 71L 357, 358, 359, 516, 518, 360							
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED 3 Landmarks and 3 Aids to Navigation (3 lights) <i>(verified)</i>							
PHOTO NUMBER	OBJECT NAME			PHOTO NUMBER	OBJECT NAME		
71L 357 ✓	Light "A"			71L 503	Glymont Tank		
				71L 504	House (S.W. Chimney)		
				71L 360 ✓	Standpipe		
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) None							

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore features, landmarks, and aids	5/72	Class III Manuscript	June 1972	
Field edit applied	10/75	Class I Manuscript		Aug. 1976 AMC
Final review prior to registration	9/76	Few minor corrections		

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		9/20/76	Nonfloating aids
3		9/20/76	Ldmks to be charted
3		9/20/76	Ldmks to be deleted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 9-20-76
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.

3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

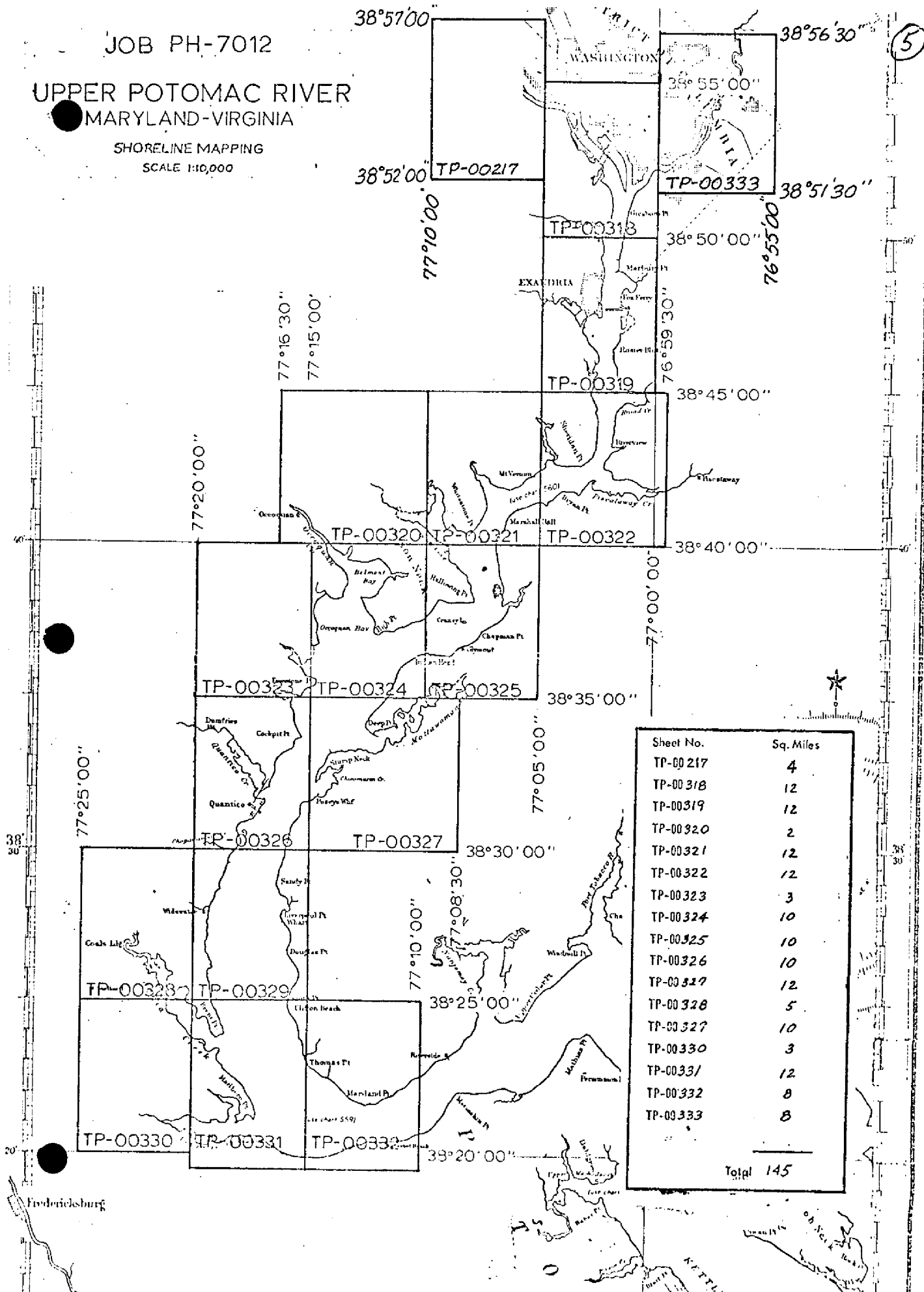
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

JOB PH-7012

UPPER POTOMAC RIVER MARYLAND-VIRGINIA

SHORELINE MAPPING
SCALE 1:10,000



Sheet No.	Sq. Miles
TP-00217	4
TP-00318	12
TP-00319	12
TP-00320	2
TP-00321	12
TP-00322	12
TP-00323	3
TP-00324	10
TP-00325	10
TP-00326	10
TP-00327	12
TP-00328	5
TP-00329	10
TP-00330	3
TP-00331	12
TP-00332	8
TP-00333	8
Total 145	

(6)

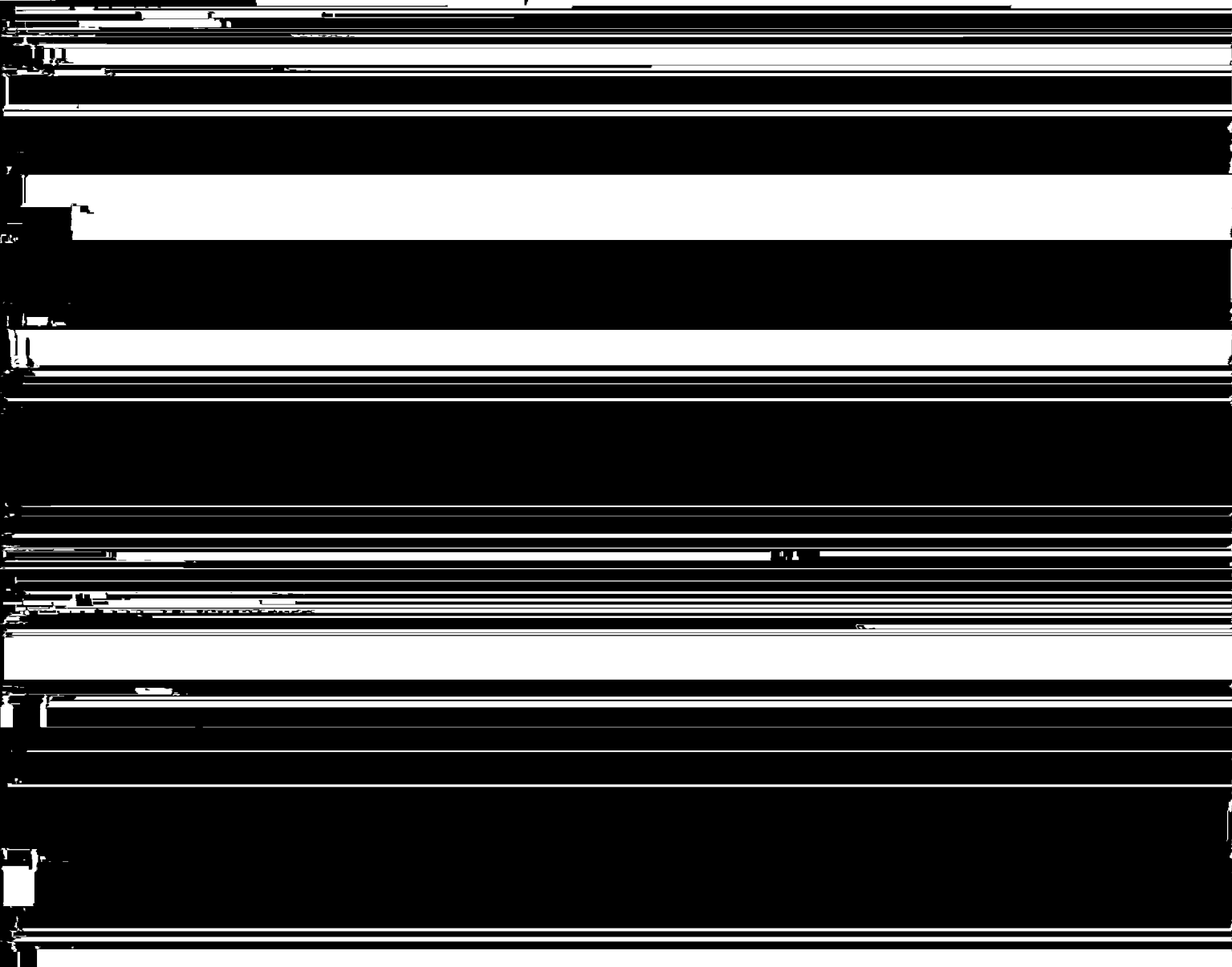
SUMMARY PH-7012 (Southern Part)

Seventeen maps comprise the entire project. This summary covers ten maps that extend along the Potomac River to the south from latitude 38°40'00". The seven maps that extend to the north will be reviewed and summarized in a separate report.

TP-00325 was compiled for use in contemporary hydrographic survey and nautical charting operations.

Field work, prior to compilation, consisted of the recovery and premarking of horizontal control.

This manuscript was compiled using the Wild B-8 stereoplotter with 1:40,000 scale color photography. Also 1:20,000 scale color photoq-



PHOTOGRAMMETRIC PLOT REPORT
Job PH-7012
Upper Potomac River, Maryland-Virginia (Part 1)
March 1972

21. Area Covered

This report covers an area of the Potomac River south from latitude 38 40 00 to Maryland Point (approximate latitude 38 20 00). The job consists of ten (10) 1:10,000 scale sheets (TP-00323 thru TP-00332).

22. Method

Severn (7) strips of photographs (strips 1 thru 7) were bridged using analytical aerotriangulation methods. All strips were adjusted to premarked control except that strip 2 was terminated on a position of a common point determined from strip 3. Strip 4 was terminated from positions of common points determined from strip 3 and station MARSH 1928 (field identified sub points). Ties were made to all strips. Sketch 1 shows the location of the strips of photography and the horizontal control stations used in bridging. Common image points were located between the bridging photography and the hydro support photography in order to determine the ratio for the 1:10,000 scale enlargements. Sketch 2 shows the location of the strips of photography for hydro support. Data for the 1:10,000 scale compilation of the ten (10) sheets were plotted by the Coradomat on the Virginia (north zone) coordinate system.

23. Adequacy of control

All horizontal control was premarked except CLYMOUNT LIGHT 1958 (identified direct) and MARSH 1928. Field identification of sub points for MARSH 1928 were determined after the photography was flown. Horizontal control was adequate.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments.

2

25. Photography

The following RC-8 color photography was used in bridging:

1:40,000 scale photography

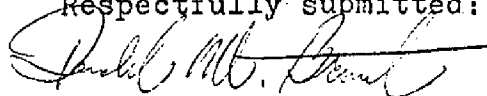
Strip 1	71-L(C)-0378 thru 0385
Strip 2	71-L(C)-0303 thru 0309
Strip 3	71-L(C)-0322 thru 0331
Strip 5	71-L(C)-0410 thru 0419
Strip 6	71-L(C)-0397 thru 0407
Strip 7	71-L(C)-0386 thru 0392

1:20,000 scale photography

Strip 4 71-L(C)-9932 thru 9935

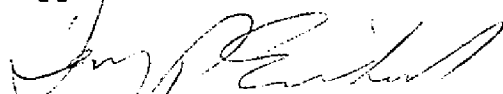
The photography was dark due to poor processing. This caused the definition and quality of the photography to be poor.

Respectfully submitted:



Donald M. Brant
Cartographer

Approved and forwarded:



Henry P. Eichert, Chief
Aerotriangulation Section

JOB PH-7012

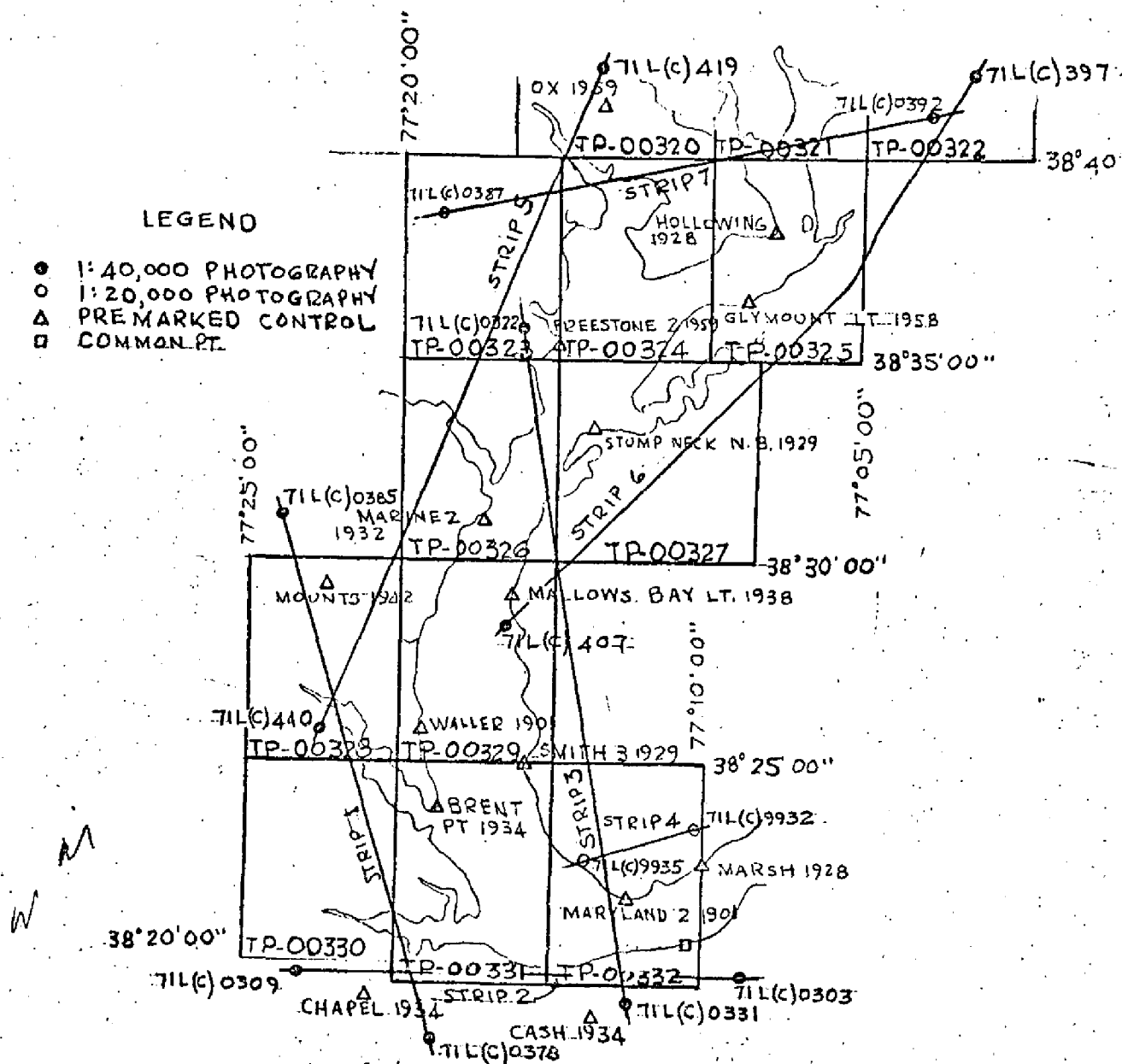
UPPER POTOMAC RIVER
MARYLAND-VIRGINIA

SHORELINE MAPPING

SCALE 1:10,000

LEGEND

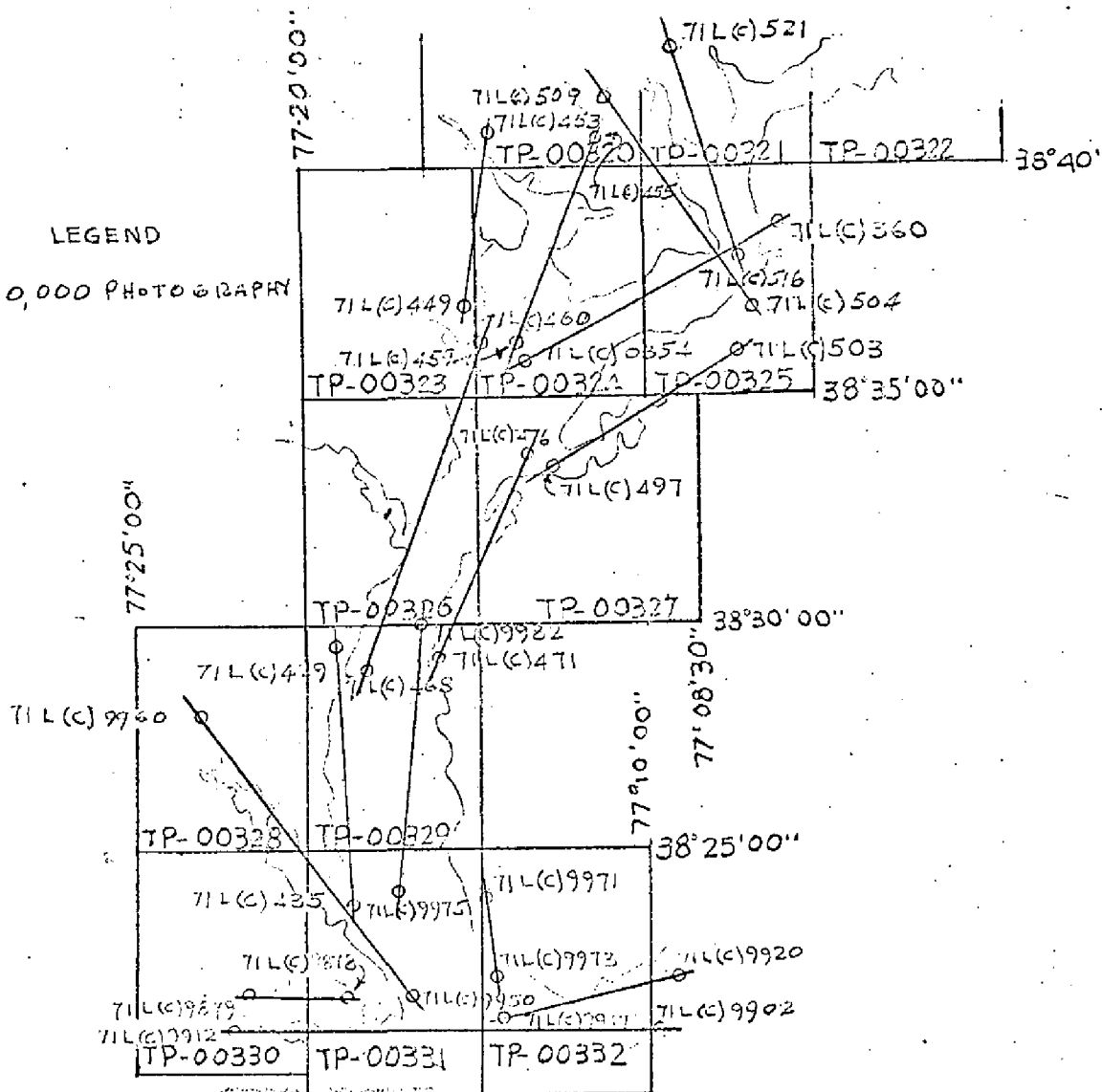
- 1:40,000 PHOTOGRAPHY
- 1:20,000 PHOTOGRAPHY
- △ PREMARKED CONTROL
- COMMON PT.



JOB PH-7012

UPPER POTOMAC RIVER

LEGEND
 0 1:20,000 PHOTOGRAPHY



COMPILATION REPORT
TP-00325

31. Delineation

1:40,000 scale color bridging photography was set on the B-8 stereoplotter for delineation of the shoreline, foreshore, and offshore features. 1:20,000 scale color photography was ratioed to 1:10,000 scale, and common points were dropped along the shoreline for hydro support.

32. Control

Horizontal control was adequate for density and placement.

Vertical control from USGS Quadrangles and water level.

33. Supplemental Data

None.

34. Contours and Drainage

Inapplicable.

35. Shoreline and Alongshore Details

Shoreline was delineated from office interpretation from color photographs dated November 1971. No low water or shoal lines were shown except for mud flats in the Mattawoman and Pomonkey Creeks.

36. Offshore Details

Maryland and Virginia fisheries markers could not be seen on the photographs and will be located by field edit.

37. Landmarks and Aid

4 landmarks to be verified.

3 aids to be verified.

COMPILATION REPORT
TP-00325

38. Control for Future Surveys

None.

39. Junctions

To the north with TP-00323.
To the south with TP-00329.
To the east with TP-00327.
To the west, no contemporary survey.

40. Horizontal and Vertical Accuracy

See Photogrammetric Plot Report.

41. Inapplicable.

thru

45.

46. Comparison with Existing Maps.

Comparison has been made with USGS Quadrangles.
Port Tobacco, Md., scale 1:24,000 edition 1956.
Mount Vernon, Md., Va., scale 1:24,000 edition 1956.
Indian Head, Md., Va., scale 1:24,000 edition 1956.
Belvoir, Va., Md., scale 1:24,000 edition 1956.

47. Comparison with Nautical Charts.

Comparison was made with Nautical Chart No. 560, 32nd edition, February 26, 1972.

COMPILATION REPORT
TP-00325

47. (contd.)

Items to be applied to nautical charts immediately.
None.

Items to be carried forward.
None.

Submitted by:

John C. Richter
Compilation Section

Approved and forwarded:

K. N. Maki
Chief, Compilation Section

FIELD EDIT REPORT

TP-00325

Upper Potomac River, Md.-Va.

PH-7012

August 1973

51. METHODS

All field edit work was done under the instructions of Photo-Hydro support and field edit, OPR-409-742-73, Potomac River, Maryland-Virginia, dated Jan. 9, 1973, and as amended, Feb. 15, 1973.

A visual inspection and verification was made of all shoreline and alongshore features. Details are indexed on the field edit ozalid in violet to indicate additions or corrections and in green to indicate deletions.

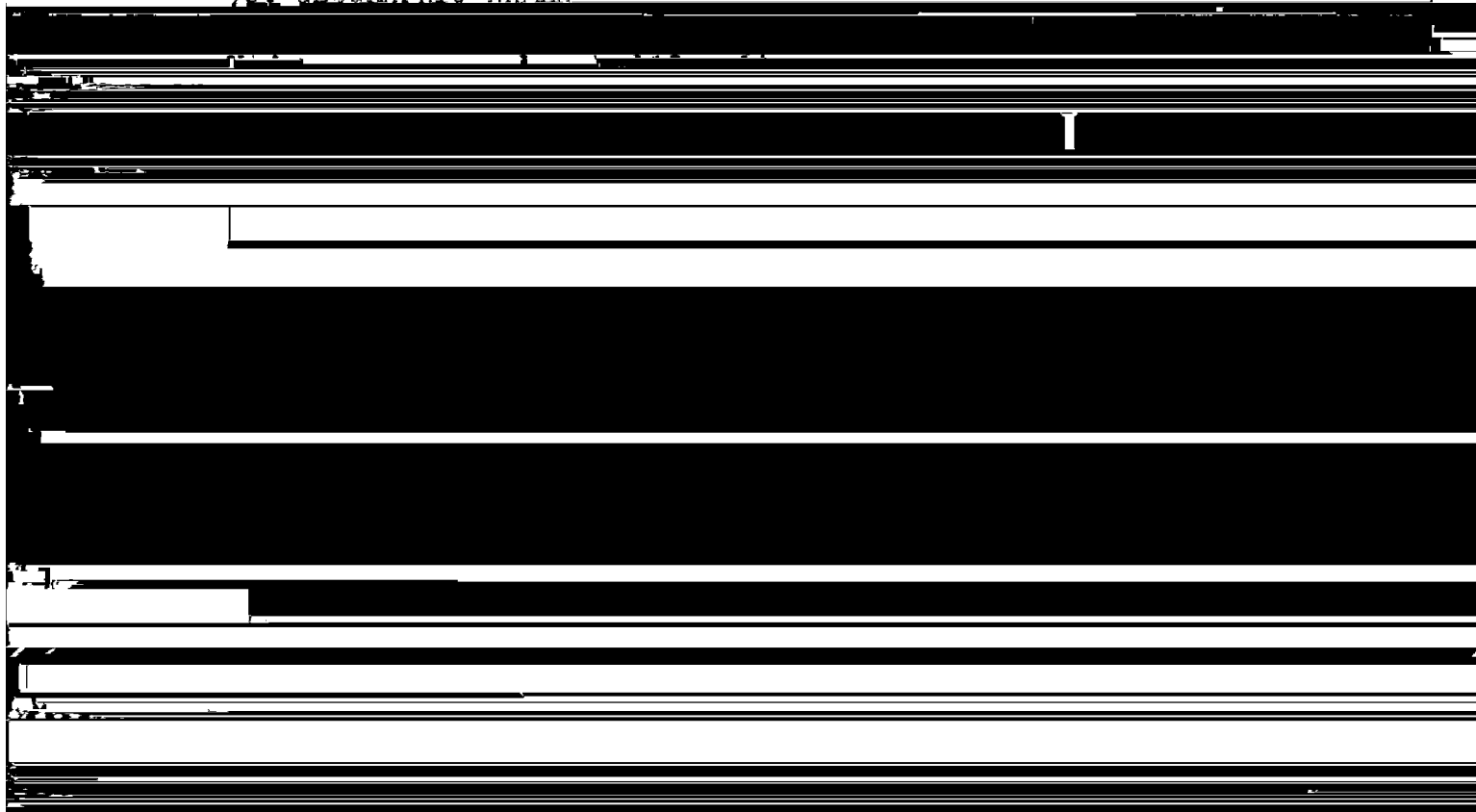
52. ADEQUACY OF COMPILATION

Compilation was adequate in shoreline delineation and alongshore features except as noted on the field edit ozalid.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES



not visible due to high trees surrounding them or too many new houses were built around them so that distinction is difficult.

58. MISCELLANEOUS

All times mentioned on the field edit ozalid and photos refer to Greenwich Mean Time.

Respectfully Submitted,

James W. Davis

James W. Davis
LTJG. NOAA
Chief, Photo Party 61

(16)

PH-7012 Potomac River
TP-00325

Final Edit Application and Field Edit Notes:

Three nonfloating aids were recommended for charting. Hallowing Point Light was located by theodolite intersection but the field record was not included in the field data.

A sunken wreck, lat. $38^{\circ}38'30''$, long. $77^{\circ}06'35''$ was indicated on the field record as submerged 2' without reference to date or time and was symbolized as a sunken wreck.

Most bluff areas indicated on the field edit photos were not delineated. A stereoscopic examination of the photography found most of them to be of little landmark value.

The NOAA Forms 76-40 submitted by the field indicated the degrees, minutes, and seconds in meters, along with method and date of location. These positions were scaled on the manuscript and the seconds varied slightly in some cases from the field data. The meters were converted to seconds and applied to the NOAA Forms 76-40.

A Class I manuscript was prepared for the Hydro Verification Section in AMC and is subject to final review.

Submitted by:

P. Dempsey

Review Report TP-00325
Shoreline Survey
October 1976

61. General Statement

The only field inspection operation for this job consisted in pre-marking horizontal control. The names of the people responsible for doing the premarking and the dates are not available.

Hallowing Point Light was plotted on the map from the field editors position submitted on the 76-40 form. See Final Edit Application and Field Edit Notes, page ____.

62. Comparison with Registered Topographic Surveys

T-5761 1:10,000 1938-1939

This survey is superseded by the new map.

63. Comparison with Maps of Other Agencies

U.S. Geological Survey Quads:	Port Tobacco, Md.	1:24,000	1956
	Indian Head, Md.-Va.	1:24,000	1956
	Belvoir, Va.-Md.	1:24,000	1956
	Mount Vernon, Md.-Va.	1:24,000	1966 (Photo revised 1971)

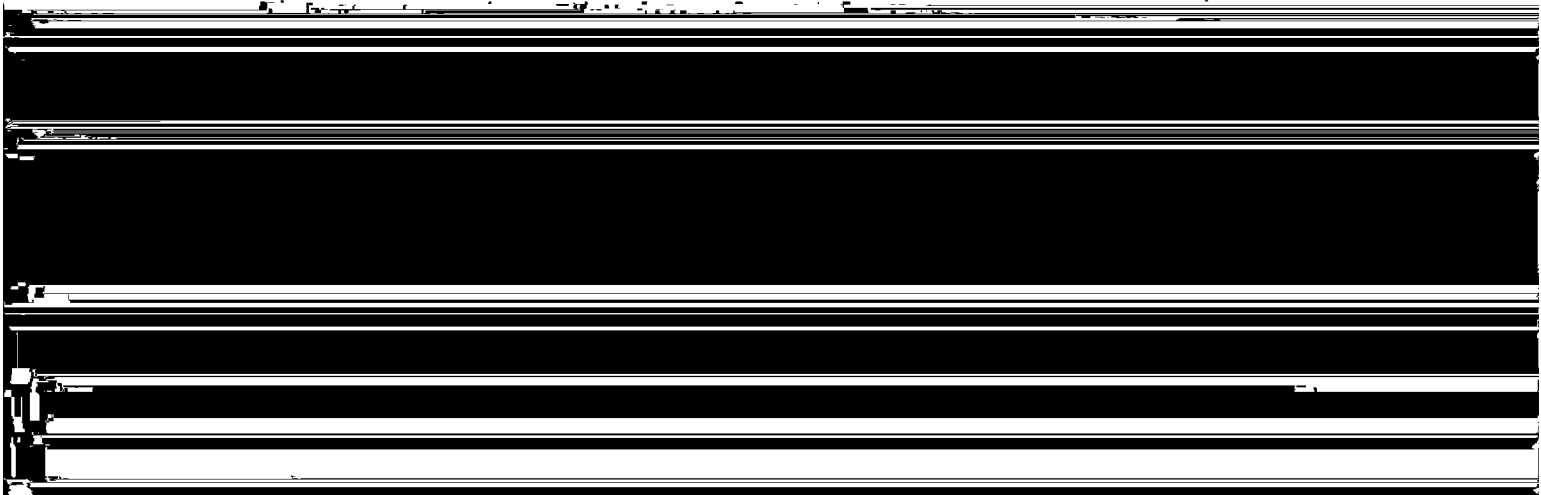
64. Comparison with Contemporary Hydrographic Surveys

The hydrographic survey boat sheets are in the AMC. Class I manuscript copies were recently forwarded for use in smooth sheet processing. Some editing was done by the compilation office prior to final review, and after the Class I copies were sent to the AMC. After review, copies of the final maps will be sent to the AMC for comparison.

65. Comparison with Nautical Charts

560 1:40,000 1972

66. Adequacy of Results and Future Surveys



November 5, 1976

GEOGRAPHIC NAMES

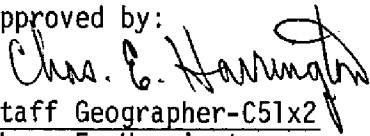
FINAL NAME SHEET

PH-7012 (Potomac River)

TP-00325

Chapman Landing	Mattawoman Creek
Chapman Point	Mattinglys Wharf
Craney Island	Nelson Point
Fenwick	Perry Wright
Glymont	Pomoney Creek
Gunston Manor	Pomoney Landing
Hallowing Point	Pomoney Point
Hallowing Point River Estates	Potomac Heights
Harrison Point	Potomac River
Indian Head	Riverview Village
Maryland	U.S. Government (RR)
Mason Neck	

Approved by:


Staff Geographer-C51x2
Chas. E. Harrington

TERMINAL
VERSION
09/76

Copy to Charts
9-20-76

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

76-40
LISTING

* SVY	TP-00325	*	NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD ROCKVILLE, MD.	* PAGE 1 OF 3	*
* JOB	PH-7012	*	TO BE CHARTED	* STATE	VA. AND MARYLAND	* ORIGINATING ACTIVITY	*
* PRJ	834201	*		* LOCALITY	POTOMAC ROVER	* COMPILATION	*
* DTM	NA 1927	*		* DATE	09/01/76		*

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

* * *	DESCRIPTION	* *	POSITION	CODES*	METHOD AND DATE	* *
CHARTING	RECORD REASON FOR DELETION	* *	LATITUDE	C-C *	OF LOCATION	* CHARTS
* NAME *	PUT TRIANGULATION NAMES IN ()	* *	LONGITUDE	SEQ *	OFFICE * FIELD	*AFFECTED*

[illegible][illegible][illegible]

19

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED	J.W. DAVIS	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	P.J. DEWIDSEY	OFFICE COMPILER
FIELD AND OFFICE	N/A	DIGITIZER
ACTIVITIES	J. TAYLOR	DATA PROCESSER

SVY	TP-00325	*	LANDMARKS FOR CHARTS TO BE DELETED	RPT UNIT	CMD ROCKVILLE, MD.	*	PAGE	3 OF 3	*
JOB	PH-7012	*		STATE	VA. AND MARYLAND	*			*
PRJ	834201	*		LOCALITY	POTOMAC ROVER	*	ORIGINATING	ACTIVITY*	*
DTM	NA 1927	*		DATE	09/01/76	*	COMPILATION		*
THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS									
CHARTING*	RECORD REASON FOR DELETION	*	DESCRIPTION	POSITION	CODES*	METHOD AND DATE	*	CHARTS	*
NAME	PUT TRIANGULATION NAMES IN ()	*	LATITUDE	DM	C-C	OF LOCATION	*	FIELD	*AFFECTED*
		*	LONGITUDE	DP	SEO	OFFICE	*		*

HOUSE	SOUTH GABLE	*	38 37 42.00	1295.1	NOT	*	*	560	*
		*	77 06 24.00	580.5	DGTZD*	*	*	101SC	*

HOUSE		*	38 38 30.00	925.1	NOT	*	*	*	*
		*	77 06 36.00	870.6	DGTZD*	*	*	DITTO	*

HOUSE	GUNSTON HALL	*	38 39 54.00	1665.1	NOT	*	*	*	*
		*	77 09 12.00	290.1	DGTZO*	*	*	DITTO	*

*		*	*	*	*	*	*	*	*
*		*	*	*	*	*	*	*	*

*		*	*	*	*	*	*	*	*
*		*	*	*	*	*	*	*	*

*		*	*	*	*	*	*	*	*
*		*	*	*	*	*	*	*	*

*		*	*	*	*	*	*	*	*
*		*	*	*	*	*	*	*	*

*		*	*	*	*	*	*	*	*
*		*	*	*	*	*	*	*	*

*		*	*	*	*	*	*	*	*
*		*	*	*	*	*	*	*	*

*		*	*	*	*	*	*	*	*

DESCRIPTIVE REPORT CONTROL RECORD

SCALE OF MAP
1:10,000

[illegible]

COMPUTED BY

DATE _____

CHECKED BY

DATE _____

