

TP-00324

TP-00324

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. TP-00324...
Classification No. *Final* Edition No.
Field edited map

LOCALITY

State Virginia - Maryland
General Locality Potomac River
Locality Taylors Pt. to Indian Head

1971 TO 1973

REGISTRY IN ARCHIVES

DATE

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

dto

12285 101 A, D. K. 9-16-77
12288 559
12289 560 Part Applied Bld. 9-5-78
Superseded by 87102084

TYPE OF SURVEY

SURVEY TP. 00324

DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEYMAP CLASS *Field Edited*
FINAL☐ REVISED

JOB PH. 7012

PHOTOGRAMMETRIC OFFICE

LAST PRECEDING MAP EDITION

Rockville, Maryland

TYPE OF SURVEY

JOB PH. _____

OFFICER-IN-CHARGE

☐ ORIGINAL

MAP CLASS _____

James Collins - Commander

☐ RESURVEY

SURVEY DATES:

☐ REVISED

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

2. FIELD

Aerotriangulation Dec. 6, 1971
Photogrammetric Feb. 29, 1972 *Office*
(Review of Instructions Feb. 24, 1972)
(*Field instr.*)Hydro Support & Edit 4-9-73
(*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
VirginiaZONE
North

5. SCALE

1:10,000

STATE
Maryland

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytical	BY	D. M. Brant	4/72
LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	5/72
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	J. C. Richtery & R. Rich	5/72
	CHECKED BY		
INSTRUMENT: B-8	CONTOURS BY		
SCALE: 1:10,000	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	M. C. Webber	5/72
	CHECKED BY	J. Battley, Jr.	5/72
METHOD: Graphic worksheets	CONTOURS BY	Inapplicable	
	CHECKED BY		
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	R. Rich	5/72
	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley, Jr.	5/72
6. APPLICATION OF FIELD EDIT DATA	BY	J. Taylor-J. Battley	9/75 & 6/76
	CHECKED BY	P. Dempsey	6/76
7. COMPILATION SECTION REVIEW	BY	J. Battley, Jr.	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

TP-00324
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "L" 6" Focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern MERIDIAN 75th	
				☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71(C) 386 thru 388	11/5/71	10:00	1:40,000	1.0' above MLW	
71L(C) 352 thru 355	11/4/71	1:00 13:00	1:20,000	-0.2' below MLW	
71L(C) 449 thru 461	11/5/71	11:25	1:20,000	1.4' above MLW	

REMARKS

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

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation of 1:40,000 bridging photography dated November 5, 1971.

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-00320	TP-00325	TP-00327	TP-00323
REMARKS			

TP-00324

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 James W. Davis	8/73
	PRE-MARKED OR IDENTIFIED BY Inapplicable	
3. VERTICAL CONTROL	RECOVERED BY Inapplicable	
	ESTABLISHED BY Inapplicable	
	PRE-MARKED OR IDENTIFIED BY Inapplicable	
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 ☐ 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 Inapplicable	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

N/A

2. VERTICAL CONTROL IDENTIFIED

N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) NOS4NOV71L458, NOS4NOV71L 499, **
NOS4NOV71L 355, NOS4 NOV71L356, NOS4NOV71L448*, NOS4NOV71L 449,
NOS4NOV71L450, NOS4NOV71L451, NOS4NOV71L452, NOS4NOV71L457

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Fog Signal

* - With TP-00323

**- With TP-00327

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71L355	Bell Fog Signal		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. 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

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00324
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore features. Ldmks and aids	May 1972	Class III Manuscript	June 1972	
Field Edit applied	9/75 & 6/76	Class I Manuscript		Aug. 1976 AMC
Additions and changes to some offshore rock data	Sept. 1976	Class I Manuscript		
Final review prior to registration	Oct. 1976			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
10		9/20/76	Nonfloating aids
5		9/20/76	Ldmks to be charted.
2		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

38°57'00"

39°56'30"

5

38°52'00" TP-00217

TP-00333

38°51'30"

TP-00318

38°50'00"

76°55'00"

TP-00319

38°45'00"

TP-00320

TP-00321

TP-00322

38°40'00"

TP-00323

TP-00324

TP-00325

38°35'00"

TP-00326

TP-00327

38°30'00"

TP-00328

TP-00329

38°25'00"

TP-00330

TP-00331

TP-00332

38°20'00"

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

Fredericksburg

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-00324 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 photography was ratioed to 1:10,000 scale and common points were dropped along the shoreline as an aid in the location of hydrographic signals.

Field edit was accomplished during *August 1973*.

Final review was accomplished at the Rockville, Maryland, Office in *Sept. 1976*.

A stable base positive copy of the map and a Descriptive Report will be registered in the NOS Archives.

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

Seven (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

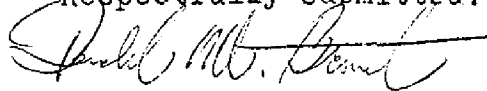
Strip 1	71-L(C)-0378 thru 0385
Strip 2	71-L(C)-0303 thru 0309
Strip 3	71-L(C)-0322 thru 0331
Strip 5	71-L(C)-0410 thru 0419
Strip 6	71-L(C)-0397 thru 0407
Strip 7	71-L(C)-0386 thru 0392

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

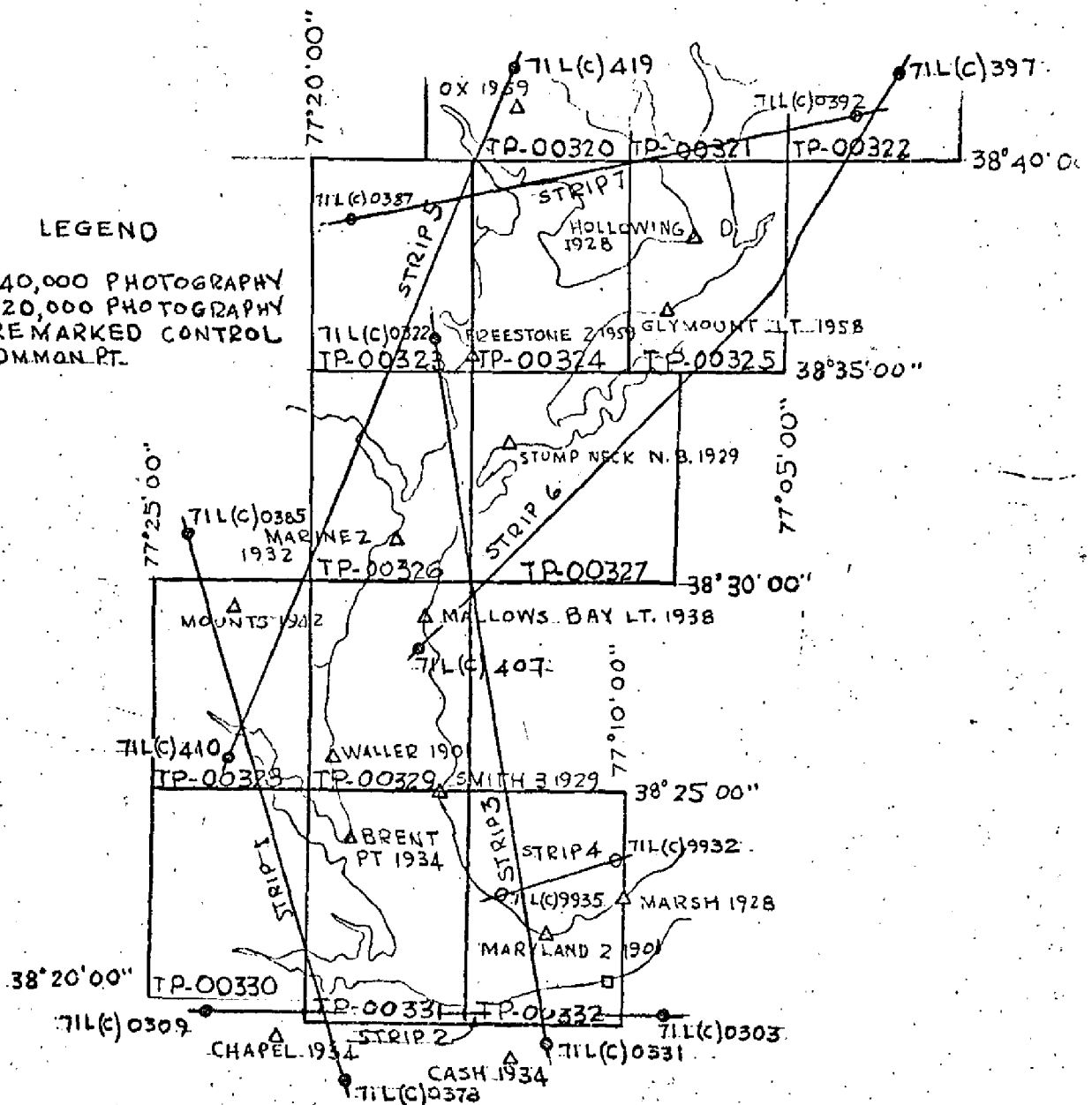
UPPER POTOMAC RIVER
MARYLAND-VIRGINIA

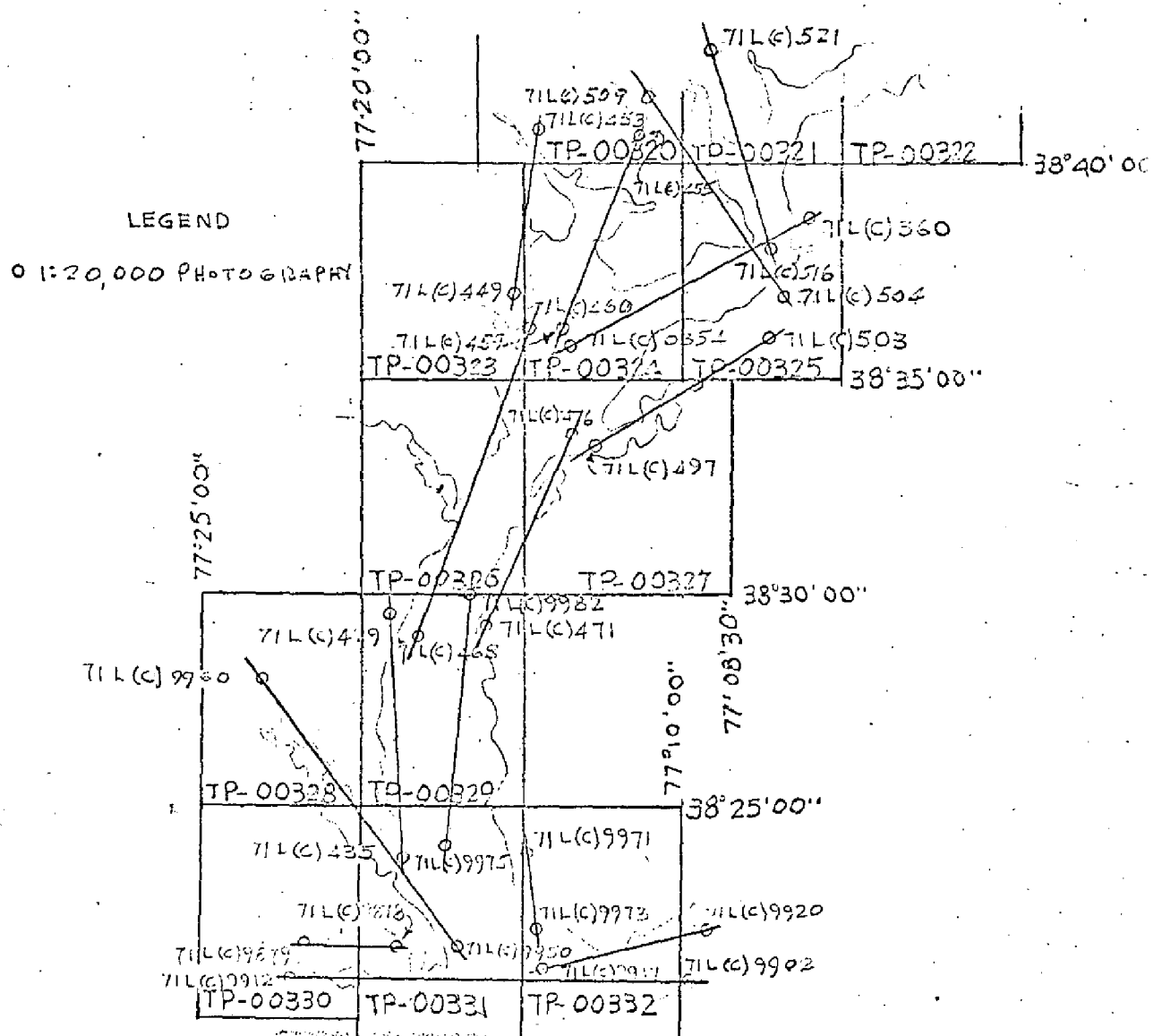
SHORELINE MAPPING

SCALE 1:10,000

LEGEND

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





Compilation Report
TP-00324

31. Delineation

1:40,000 scale color bridging photography was set on the B-8 stereoplotter to delineate shoreline, Foreshore and off-shore 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 was adequate for leveling B-8 models.

33. Supplemental Data - None

34. Contours and Drainage

Inapplicable

35. Shoreline and Alongshore Detail

Shoreline was delineated from office interpretation of 1:40,000 scale color photography dated November 1971. No low water line or shoal areas were shown except for mud flats in Kanes Creek and Massey Creek.

36. Offshore Details

Maryland and Virginia fisheries markers were not visible on the photography and will be located during field edit.

37. Landmarks and Aids

All visible landmarks and aids were applied during compilation and should be verified by field edit. Landmarks and aids not visible should be located by field edit.

38. Control for Future Surveys

None

39. Junctions

To the North with TP-00320; to the South with TP-00327; to the East with TP-00325; to the West with TP-00323

40. Horizontal and Vertical Accuracy

See photogrammetric Plot Report.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with USGS quadrangles Belvoir, Virginia-Maryland, scale 1:24,000, Edition 1956 Indian Head, Md.-Va. Scale 1:24,000 Edition 1956.

47. Comparison with Nautical Charts

Comparison was made with nautical chart 560, 32nd edition, February 26, 1972.

Items to be applied to nautical charts immediately: None

Items to be carried forward: None

Submitted by:

Martha C. Webber

Approved and Forwarded:

Chief, Compilation Section

FIELD EDIT REPORT

TP-00324

Upper Potomac River, Md.-Va.

PH-7012

July 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 January 9, 1973, and as amended, February 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. Fixes indexed on the field edit ozalid are recorded on the sheets attached to this report since no space was available on the ozalid. A corresponding signal list is attached.

Occasional verification of the HWL is indexed on the field edit ozalid.

52. ADEQUACY OF COMPILATION

Compilation was adequate in shoreline delineation and alongshore features except as noted on the field edit ozalid. A new marina, located at approximate position Lat. 38° 38.1', should be recompiled using the inset on the field edit ozalid, and photo 71L451.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepancies in geographic names were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

Ten aids to navigation are recommended for charting on this sheet. Nine of these consist of lights and daybeacons which mark the channel entering the Occoquan River. All were located by theodolite cut and checked by third order methods. The other aid recommended for charting is a "Bell" fog signal located at the Indian Head Naval Station in Maryland.

Five landmarks are recommended for charting. They consist of three water tanks, one standpipe, and one relay mast. Two landmarks should be deleted from the charts. They include a water tank at the Woodbridge Relay Station which has been removed and a stack located south of Woodbridge which is not of landmark value.

58. MISCELLANEOUS

Three Potomac River Fisheries markers were located by theodolite cut from third order traverse stations and are of charting value. Their positions are included on the signal list.

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

Respectfully Submitted,

James W. Davis

James W. Davis

LTJG. NOAA

Chief, Photo Party 61

Sheet TP-00324

Sextant Fixes

Fix # 1 Rock Groin from duck blind - East end

<u>Signal</u>	<u>Angle</u>
- 154	124° 56' L
[147	-----
- [151	48 27 R
- [148	20 20
- Az. of rk. line	81 35

Fix # 2 Rock Groin - West end

- 154	123° 17' L
[147	-----
- [151	46 42 M
- [148	20 06 R

Fix # 3 Pile, leaning, exposed $\frac{1}{2}$ ft. 1630 GMT 05/15/73

- 154	84° 38' L
- [150	-----
- [147	49 27 R
- [148	30 39

Fix # 4 Tree in water, bares 5 ft., 20 ft. long, 1500 GMT 5/15/73

- 382	57° 16' L
[154	-----
- [378	43 56 R
- [369	91 13

Fix # 5 wd. & metal obstr. bares 1.5 ft., 1510 GMT 5/18/73

- 154	43° 41' L
[378	-----
- [369	45 35 R
- [382	100 56

Fix # 6 Subm. pile, bares 1 ft., 1520 GMT 5/18/73

- 382	59° 04' L
- [154	-----
- 378	42 26 R
- 369	79 33

Fix # 7 Tree snag, bares 4 ft. 1535 GMT 5/18/73

- 382	69 04 L
- [154	-----
- 378	43 17 R
- 375	53 30

Fix # 8 Wreck on shore

- 375	81 14 L
- [369	-----
- 379	85 19 R
- 380	80 01

Fix # 9 Wreck on shore

- 373	60 25 L
- [378	-----
- 380	88 15 R
- 375	67 56

Fix # 10 Tree obstruction, bares 2½ ft., 1400 GMT 5/30/73

- 373	21 58 L
- [377	-----
- 378	133 52 R
- 380	130 22

Fix # 11 Tree in water exposed, 7', 1450 GMT 5/30/73

- 152	48 03 L
- [383	-----
- 382	110 12 R
- 150	65 17

Fix # 12 Daybeacon 13 - Located by traverse

- 374	152 35 L
- 375	-----
- [373	27 57 R
- 377	134 17

Fix # 13 Metal sign structure in water-bares 8'

- 380	99 00 L
- [378	-----
- 375	58 46 R
- 154	45 28

Fix # 14 Tree snag in middle of Potomac exposed 3', 1255 GMT, 7/20/73

-348 (1)	62	56
350 (2)	-----	
-150 (3)	80	55
166	76	49

SIGNAL LIST

SHEET TP-00324

<u>Signal</u>		<u>Lat.</u>		<u>Long.</u>	
	o	' meters	o	' meters	
147	38	34 949.0	77	12 23.0	Cornwallis Neck Tank
148	38	35 722.4	77	11 402.7	Indian Head New Water Tank
150	38	37 28.1	77	12 495.9	PRV 16B
151	38	35 1111.0	77	14 1150.0	PRV 16A
152	38	37 741.5	77	12 1064.0	Light 2
154	38	38 1393.4	77	14 338.0	Woodbridge Relay Mast
166	38	36 1230.9	77	08 473.6	Glymont Light
348	38	36 297.0	77	08 188.5	
350	38	35 1579.0 -	77	10 322.6	
369	38	39 883.4	77	13 382.1	
373	38	39 1835.2 -	77	14 431.8	
374	38	39 1419.2	77	14 376.2	
375	38	40 52.1	77	14 630.7	
377	38	39 1397.7	77	14 162.0	Light 12
378	38	39 809.8	77	13 1449.7	Light 10
379	38	38 1754.4 -	77	13 624.8	Light 9
380	38	38 1775.9 -	77	13 568.0	Daybeacon 8
382	38	38 743.4	77	13 219.1	Light 6
383	38	37 1415.6	77	12 1286.3	Daybeacon 4
	o	' sec.	o	' sec.	
155	38	35 11.462	77	14 55.168	PRV 15B

PH-7012 Potomac River
TP-00324

Notes on Field Edit Application and Field Edit Data:

The recommended aids and landmarks were, of necessity, scaled from geographic positions furnished by the field on a type written sheet. They provided the latitude and longitude in degrees, minutes and forward seconds in meters for each position. These were indicated as located by theodolite cuts, but the field records were not included in the field transmitted data.

Many rocks, snags, and offshore obstructions were indicated on field records (photos, ozalid, etc.) as "bare, awash, exposed, etc" without reference to time or stage of tide. These were symbolized as best as could be determined.

Considerable 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 positions for two of the three private markers had to be accepted from the positions resected on the field cronaflex as no listing of cuts were received.

The NOAA Forms 76-40 submitted by the field indicated the degrees, minutes, and seconds to thousands, along with method and date of location. The typed field listing, submitted with sextant fixes and G.P. listing of signals used, listed these same objects with seconds in meters. Both were checked for uniformity and accuracy.

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

Submitted by:

J. P. Battley, Jr.

Review Report TP-00324
Shoreline Survey
October 1976

61. General Statement

In the vicinity of 38°35'30" latitude and 77°14'50" longitude, one bare rock and two rocks awash are shown on the manuscript. The field editor had located these on both the photograph and the discrepancy print. Insufficient information was furnished to reference these rocks to the datum.

The only field inspection operation for this job was the pre-marking of horizontal control. The names and dates of those responsible for this work is not available.

The compilation office determined that some of the information shown on offshore rocks, piles, etc. was incorrect or incomplete as shown on the Class I manuscript that had been sent to the AMC. After final review, a copy of each manuscript where changes occurred will be sent to the AMC for comparison.

62. Comparison with Registered Topographic Surveys

T-5760 and T-5761 and T-5763 1:10,000 1938-1939

These surveys are superseded by the new map.

63. Comparison with Maps of Other Agencies

U.S. Geological Survey Quads: Belvoir, Va.-Md. 1:24,000 1956
 Indian Head, Md.-Va. 1:24,000 1956

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. Refer to the third paragraph of item 61.

65. Comparison with Nautical Charts

560 1:40,000 1972

66. Adequacy of Results and Future Surveys

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

Submitted by:
J. B. Phillips
J. B. Phillips

Approved:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Coastal Mapping Division

November 5, 1976

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-7012 (Potomac River)
TP-00324

Belmont Bay	Mason Neck
Conrad Island	Massey Creek
Deephole Point	Occoquan Bay
Farm Creek	Occoquan River
Freestone Point	Potomac River
High Point	RF&P (RR)
Indian Head	River Bend Estates
Indian Head (locality)	Sandy Point
Kanes Creek	Sycamore Point
Marumsco Creek	Taylors Point
Maryland	Virginia

Approved by:
Chas. E. Harrington
Staff Geographer-C51x2
Chas. E. Harrington

76-40

LISTING

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

VERSION
/09/76

Copy to Charts
9-20-76

* SVY	TP-00324	*	NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD ROCKVILLE, MD.	* PAGE 1 OF 3	*
* J08	PH-7012	*	TO BE CHARTED	* STATE	VA. AND MARYLAND	*	*
* PRJ	834201	*		* LOCALITY	POTOMAC ROVER	*ORIGINATING ACTIVITY*	*
* DIM	NA 1927	*		* DATE	09/01/76	* COMPILATION	*

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

[illegible]

* LIGHT *	* CHESAPEAKE BAY *	* UPPER POTOMAC *	* 38 39 45.33	* 1397.8	* NOT	* F-3-6	* 560
* 12	* RIVER OCCOQUAN	* CREEK CHANNEL	* 77 14 06.70	* 162.0	* DGTZD*	* *	* 101SC

[illegible]

* LIGHT *	38 38 56.89	1754.2	NOT *	* F-2-3-6	* *
* 9 *	77 13 25.83	624.6	DGIZD*	* *	DITTO *

DATE	DESCRIPTION	AMOUNT	CHECK NO.	DEBIT	CREDIT	BALANCE
12-1-60	TO BALANCE	100.00				100.00
12-1-60	BY CHECK	50.00	1	50.00		50.00
12-1-60	BY CHECK	50.00	2	50.00		0.00
12-1-60	BY CHECK	50.00	3	50.00		50.00
12-1-60	BY CHECK	50.00	4	50.00		0.00
12-1-60	BY CHECK	50.00	5	50.00		50.00
12-1-60	BY CHECK	50.00	6	50.00		0.00
12-1-60	BY CHECK	50.00	7	50.00		50.00
12-1-60	BY CHECK	50.00	8	50.00		0.00
12-1-60	BY CHECK	50.00	9	50.00		50.00
12-1-60	BY CHECK	50.00	10	50.00		0.00
12-1-60	BY CHECK	50.00	11	50.00		50.00
12-1-60	BY CHECK	50.00	12	50.00		0.00
12-1-60	BY CHECK	50.00	13	50.00		50.00
12-1-60	BY CHECK	50.00	14	50.00		0.00
12-1-60	BY CHECK	50.00	15	50.00		50.00
12-1-60	BY CHECK	50.00	16	50.00		0.00
12-1-60	BY CHECK	50.00	17	50.00		50.00
12-1-60	BY CHECK	50.00	18	50.00		0.00
12-1-60	BY CHECK	50.00	19	50.00		50.00
12-1-60	BY CHECK	50.00	20	50.00		0.00
12-1-60	BY CHECK	50.00	21	50.00		50.00
12-1-60	BY CHECK	50.00	22	50.00		0.00
12-1-60	BY CHECK	50.00	23	50.00		50.00
12-1-60	BY CHECK	50.00	24	50.00		0.00
12-1-60	BY CHECK	50.00	25	50.00		50.00
12-1-60	BY CHECK	50.00	26	50.00		0.00
12-1-60	BY CHECK	50.00	27	50.00		50.00
12-1-60	BY CHECK	50.00	28	50.00		0.00
12-1-60	BY CHECK	50.00	29	50.00		50.00
12-1-60	BY CHECK	50.00	30	50.00		0.00
12-1-60	BY CHECK	50.00	31	50.00		50.00
12-1-60	BY CHECK	50.00	32	50.00		0.00
12-1-60	BY CHECK	50.00	33	50.00		50.00
12-1-60	BY CHECK	50.00	34	50.00		0.00
12-1-60	BY CHECK	50.00	35	50.00		50.00
12-1-60	BY CHECK	50.00	36	50.00		0.00
12-1-60	BY CHECK	50.00	37	50.00		50.00
12-1-60	BY CHECK	50.00	38	50.00		0.00
12-1-60	BY CHECK	50.00	39	50.00		50.00
12-1-60	BY CHECK	50.00	40	50.00		0.00
12-1-60	BY CHECK	50.00	41	50.00		50.00
12-1-60	BY CHECK	50.00	42	50.00		0.00
12-1-60	BY CHECK	50.00	43	50.00		50.00
12-1-60	BY CHECK	50.00	44	50.00		0.00
12-1-60	BY CHECK	50.00	45	50.00		50.00
12-1-60	BY CHECK	50.00	46	50.00		0.00
12-1-60	BY CHECK	50.00	47	50.00		50.00
12-1-60	BY CHECK	50.00	48	50.00		0.00
12-1-60	BY CHECK	50.00	49	50.00		50.00
12-1-60	BY CHECK	50.00	50	50.00		0.00
12-1-60	BY CHECK	50.00	51	50.00		50.00
12-1-60	BY CHECK	50.00	52	50.00		0.00
12-1-60	BY CHECK	50.00	53	50.00		50.00
12-1-60	BY CHECK	50.00	54	50.00		0.00

DATE	DESCRIPTION	AMOUNT	CHECK NO.	DEBIT	CREDIT	BALANCE
1/1/00	OPENING BALANCE					100.00
1/15/00	PAYROLL	50.00		50.00		50.00
1/20/00	RECEIVED		101		25.00	75.00
1/25/00	PAYROLL	50.00		50.00		25.00
1/30/00	RECEIVED		102		25.00	50.00
2/5/00	PAYROLL	50.00		50.00		0.00
2/10/00	RECEIVED		103		25.00	25.00
2/15/00	PAYROLL	50.00		50.00		0.00
2/20/00	RECEIVED		104		25.00	25.00
2/25/00	PAYROLL	50.00		50.00		0.00
2/28/00	RECEIVED		105		25.00	25.00
3/5/00	PAYROLL	50.00		50.00		0.00
3/10/00	RECEIVED		106		25.00	25.00
3/15/00	PAYROLL	50.00		50.00		0.00
3/20/00	RECEIVED		107		25.00	25.00
3/25/00	PAYROLL	50.00		50.00		0.00
3/30/00	RECEIVED		108		25.00	25.00
4/5/00	PAYROLL	50.00		50.00		0.00
4/10/00	RECEIVED		109		25.00	25.00
4/15/00	PAYROLL	50.00		50.00		0.00
4/20/00	RECEIVED		110		25.00	25.00
4/25/00	PAYROLL	50.00		50.00		0.00
4/30/00	RECEIVED		111		25.00	25.00
5/5/00	PAYROLL	50.00		50.00		0.00
5/10/00	RECEIVED		112		25.00	25.00
5/15/00	PAYROLL	50.00		50.00		0.00
5/20/00	RECEIVED		113		25.00	25.00
5/25/00	PAYROLL	50.00		50.00		0.00
5/30/00	RECEIVED		114		25.00	25.00
6/5/00	PAYROLL	50.00		50.00		0.00
6/10/00	RECEIVED		115		25.00	25.00
6/15/00	PAYROLL	50.00		50.00		0.00
6/20/00	RECEIVED		116		25.00	25.00
6/25/00	PAYROLL	50.00		50.00		0.00
6/30/00	RECEIVED		117		25.00	25.00
7/5/00	PAYROLL	50.00		50.00		0.00
7/10/00	RECEIVED		118		25.00	25.00
7/15/00	PAYROLL	50.00		50.00		0.00
7/20/00	RECEIVED		119		25.00	25.00
7/25/00	PAYROLL	50.00		50.00		0.00
7/30/00	RECEIVED		120		25.00	25.00
8/5/00	PAYROLL	50.00		50.00		0.00
8/10/00	RECEIVED		121		25.00	25.00
8/15/00	PAYROLL	50.00		50.00		0.00
8/20/00	RECEIVED		122		25.00	25.00
8/25/00	PAYROLL	50.00		50.00		0.00
8/30/00	RECEIVED		123		25.00	25.00
9/5/00	PAYROLL	50.00		50.00		0.00
9/10/00	RECEIVED		124		25.00	25.00
9/15/00	PAYROLL	50.00		50.00		0.00
9/20/00	RECEIVED		125		25.00	25.00
9/25/00	PAYROLL	50.00		50.00		0.00
9/30/00	RECEIVED		126		25.00	25.00
10/5/00	PAYROLL	50.00		50.00		0.00
10/10/00	RECEIVED		127		25.00	25.00
10/15/00	PAYROLL	50.00		50.00		0.00
10/20/00	RECEIVED		128		25.00	25.00
10/25/00	PAYROLL	50.00				

38	37	45.91	1415.6	NOT	*	DITTO	*
77	12	53.17	1286.1	DGTZD*	*	DITTO	*
DYBN	*				*		
4	*				*		
DITTO							

DATE	DESCRIPTION	AMOUNT	CHECK NO.	DEBIT	CREDIT	BALANCE
10/1/77	DYBN	7				7
10/2/77	DYBN	7				14
10/3/77	DYBN	7				21
10/4/77	DYBN	7				28
10/5/77	DYBN	7				35
10/6/77	DYBN	7				42
10/7/77	DYBN	7				49
10/8/77	DYBN	7				56
10/9/77	DYBN	7				63
10/10/77	DYBN	7				70
10/11/77	DYBN	7				77
10/12/77	DYBN	7				84
10/13/77	DYBN	7				91
10/14/77	DYBN	7				98
10/15/77	DYBN	7				105
10/16/77	DYBN	7				112
10/17/77	DYBN	7				119
10/18/77	DYBN	7				126
10/19/77	DYBN	7				133
10/20/77	DYBN	7				140
10/21/77	DYBN	7				147
10/22/77	DYBN	7				154
10/23/77	DYBN	7				161
10/24/77	DYBN	7				168
10/25/77	DYBN	7				175
10/26/77	DYBN	7				182
10/27/77	DYBN	7				189
10/28/77	DYBN	7				196
10/29/77	DYBN	7				203
10/30/77	DYBN	7				210
10/31/77	DYBN	7				217
11/1/77	DYBN	7				224
11/2/77	DYBN	7				231
11/3/77	DYBN	7				238
11/4/77	DYBN	7				245
11/5/77	DYBN	7				252
11/6/77	DYBN	7				259
11/7/77	DYBN	7				266
11/8/77	DYBN	7				273
11/9/77	DYBN	7				280
11/10/77	DYBN	7				287
11/11/77	DYBN	7				294
11/12/77	DYBN	7				301
11/13/77	DYBN	7				308
11/14/77	DYBN	7				315
11/15/77	DYBN	7				322
11/16/77	DYBN	7				329
11/17/77	DYBN	7				336
11/18/77	DYBN	7				343
11/19/77	DYBN	7				350
11/20/77	DYBN	7				357
11/21/77	DYBN	7				364
11/22/77	DYBN	7				371
11/23/77	DYBN	7				378
11/24/77	DYBN	7				385
11/25/77	DYBN	7				392
11/26/77	DYBN	7				399
11/27/77	DYBN	7				406
11/28/77	DYBN	7				413
11/29/77	DYBN	7				420
11/30/77	DYBN	7				427
12/1/77	DYBN	7				434
12/2/77	DYBN	7				441
12/3/77	DYBN	7				448
12/4/77	DYBN	7				455
12/5/77	DYBN	7				462
12/6/77	DYBN	7				469
12/7/77	DYBN	7				

[illegible][illegible]

* * *
BELL
*
INDIAN HEAD LOWER <i>Dawson</i>
* 38 36 05.00
PIER FOG SIGNAL <i>Dawson</i>
* 77 10 55.69
NOT *
P-5
* -0770173-
TITLE
(2) *

71LC355
date of photo-taking

22

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

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
PARTMENT OF COMMERCE USA

* SVY TP-00324 *
* JOB PH-7012 *
* PRJ 834201 *
* DTM NA 1927 *
* RPT UNIT CMD ROCKVILLE, MD. *
* STATE VA. AND MARYLAND *
* LOCALITY POTOMAC ROVER *
* DATE 09/01/76 *
* PAGE 2 OF 3 *
* ORIGINATING ACTIVITY *
* COMPILATION *
* THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

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

* INDIAN HEAD POWDER FACTORY *
* TANK * HT=159(241) *
* 38 35 10.28 317.0 NOT *
* 77 10 31.07 752.0 DGTZD *
* Office loc. verified
* 540r.
* 711(c)500
* 711C500
* 560
* 101SC

* INDIAN HEAD HIGHWAY TANK *
* TANK * HT=127(227) *
* 38 35 51.21 1579.1 NOT *
* 77 10 13.34 322.8 DGTZD *
* P-5
* 711C500
* 711C500
* 560
* 101SC

* INDIAN HEAD NEW WATER TANK, *
* (1959) HT=190(238) *
* 38 35 23.43 722.5 NOT *
* 77 11 16.64 402.7 DGTZD *
* TRIANG REC *
* 06/05/73 *
* 711C500
* 560
* 101SC

* WOODBRIDGE RELAY MAST, 1957) *
* HT=249(259) *
* 38 38 45.19 1393.4 NOT *
* 77 14 13.98 338.1 DGTZD *
* TRIANG REC *
* 05/15/73 *
* 711C500
* 560
* 101SC

* INDIAN HEAD RED AIRWAY BEACON *
* ON TANK, 1934) HT=130(210) *
* 38 35 10.49 323.5 NOT *
* 77 10 17.17 415.6 DGTZD *
* TRIANG REC *
* 07/11/73 *
* 711C500
* 560
* 101SC

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	J.W. DAVIS	PHOTO FIELD PARTY
POSITIONS DETERMINED	J.W. DAVIS	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	P.J. DEMPSEY	OFFICE COMPILER
FIELD AND OFFICE	N/A	DIGITIZER
ACTIVITIES	J. TAYLOR	DATA PROCESSER

76-40

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

TERMINAL
VERSION
V09/76

LISTING

SVY	TP-00324	*
JOB	PH-7012	*
PRJ	834201	*
DTM	NA 1927	*

LANDMARKS FOR CHARTS
TO BE DELETED

* RPT UNIT CMD ROCKVILLE, MD.
* STATE VA. AND MARYLAND
* LOCALITY POTOMAC ROVER
* DATE 09/01/76

PAGE 3 OF 3

INNOVATING ACTIVITY COMPILATION

THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

DESCRIPTION

POSITION		CODES*
LATITUDE	DM	C-C *
LONGITUDE	DP	SEQ *

DATE	CHARTS	AFFECTED
10/10/1964	1	1
11/10/1964	1	1
12/10/1964	1	1
1/10/1965	1	1
2/10/1965	1	1
3/10/1965	1	1
4/10/1965	1	1
5/10/1965	1	1
6/10/1965	1	1
7/10/1965	1	1
8/10/1965	1	1
9/10/1965	1	1
10/10/1965	1	1
11/10/1965	1	1
12/10/1965	1	1
1/10/1966	1	1
2/10/1966	1	1
3/10/1966	1	1
4/10/1966	1	1
5/10/1966	1	1
6/10/1966	1	1
7/10/1966	1	1
8/10/1966	1	1
9/10/1966	1	1
10/10/1966	1	1
11/10/1966	1	1
12/10/1966	1	1
1/10/1967	1	1
2/10/1967	1	1
3/10/1967	1	1
4/10/1967	1	1
5/10/1967	1	1
6/10/1967	1	1
7/10/1967	1	1
8/10/1967	1	1
9/10/1967	1	1
10/10/1967	1	1
11/10/1967	1	1
12/10/1967	1	1
1/10/1968	1	1
2/10/1968	1	1
3/10/1968	1	1
4/10/1968	1	1
5/10/1968	1	1
6/10/1968	1	1
7/10/1968	1	1
8/10/1968	1	1
9/10/1968	1	1
10/10/1968	1	1
11/10/1968	1	1
12/10/1968	1	1
1/10/1969	1	1
2/10/1969	1	1
3/10/1969	1	1
4/10/1969	1	1
5/10/1969	1	1
6/10/1969	1	1
7/10/1969	1	1
8/10/1969	1	1
9/10/1969	1	1
10/10/1969	1	1
11/10/1969	1	1
12/10/1969	1	1
1/10/1970	1	1
2/10/1970	1	1
3/10/1970	1	1
4/10/1970	1	1
5/10/1970	1	1
6/10/1970	1	1
7/10/1970	1	1
8/10/1970	1	1
9/10/1970	1	1
10/10/1970	1	1
11/10/1970	1	1
12/10/1970	1	1
1/10/1971	1	1
2/10/1971	1	1
3/10/1971	1	1
4/10/1971	1	1
5/10/1971	1	1
6/10/1971	1	1
7/10/1971	1	1
8/10/1971	1	1
9/10/1971	1	1
10/10/1971	1	1
11/10/1971	1	1
12/10/1971	1	1
1/10/1972	1	1
2/10/1972	1	1
3/10/1972	1	1
4/10/1972	1	1
5/10/1972	1	1
6/10/1972	1	1
7/10/1972	1	1
8/10/1972	1	1
9/10/1972	1	1
10/10/1972	1	1
11/10/1972	1	1
12/10/1972	1	1
1/10/1973	1	1
2/10/1973	1	1
3/10/1973	1	1
4/10/1973	1	1
5/10/1973	1	1
6/10/1973	1	1
7/10/1973	1	1
8/10/1973	1	1
9/10/1973	1	1
10/10/1973	1	1
11/10/1973	1	1
12/10/1973	1	1
1/10/1974	1	

CHARTING	RECORD REASON FOR DELETION	* LATITUDE	DM	C-C	* OF LOCATION	* CHARTS
NAME	PUT TRIANGULATION NAMES IN ()	* LONGITUDE	DP	SEQ	* OFFICE	* AFFECTED

TANK * WOODBRIDGE RELAY STATION TANK

38	38	41.12	1267.9	NOT	*	560
77	14	08.12	196.4	OGT7D	*	1015C

STACK * WOODBRIDGE STACK

38	39	13.48	415.7	NOT	*
77	14	49.12	1187.7	DGI7D*	*
DITTO					

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TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	J.W. DAVIS	PHOTO FIELD PARTY
POSITIONS DETERMINED	J.W. DAVIS	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	P.J. DEMPSEY	OFFICE COMPILER
FIELD AND OFFICE	N/A	DIGITIZER
ACTIVITIES	J. TAYLOR	DATA PROCESSER

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-P 00324 PROJECT NO. 7012 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	Long XXXXXXXXXX Lat: XXXXXXXXXX COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 ft. = 0.3048006 meter) FORWARD
Freestone 2 1959		N.A. 1927	2 357, 957.63 338, 774.76	
Knight 2 1928	PC P 20 Va.	N.A. 1927	2 373, 737.20 349, 501.66	
Shep 1928	PC P 20 Va.	N.A. 1927	2 376, 274.86 350, 447.35	
Sycamore 1904	PC P 20 Va.	N.A. 1927	2 379, 002.78 351, 452.10	
Boundary Mon N049 1929	PC P22 Va.	N.A. 1927	2 380, 175.45 351, 889.93	
Shelton	PC P20 Va.	N.A. 1927	2 380, 200.14 351, 856.30	
Head (Md.) 1928	PC P 20 Va.	N.A. 1927	2 376, 190.93 342, 657.40	
Indian Head New Water Tank 1959		N.A. 1927	2 375, 013.617 338, 861.982	
Indian Head Shorter of two stacks 1934	PC P 46 Va.	N.A. 1927	2 378, 912.66 338, 011.32	
Indian Head USN PowerFactory Stack (Md.) 1934	PC P 75 Va.	N.A. 1927	2 379, 078.98 338, 030.53	
Indian Head (Md.) Airway Beacon on Tank 1934	PC P 45	N.A. 1927	2 379, 753.21 337, 621.43	

COMPUTED BY

DATE

CHECKED BY

DATE

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP.00324

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]