

TP-00333

TP-00333

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-00333
Classification No. Edition No. 1
Field Edited Map

LOCALITY

State District of Columbia-Maryland
General Locality Potomac River
Locality Anacostia River

19 72 TO 1973

REGISTRY IN ARCHIVES

DATE

chls
Jc 12285 A D.K. Applied 9/16/77
Jc 12289 1/18/80 Applied 9/5/78

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00333 MAP EDITION NO. (1) MAP CLASS Final (FE) JOB PH. 7012	
DESCRIPTIVE REPORT - DATA RECORD				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__	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA				OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation Jan. 9, 1973 Compilation Feb. 14, 1973				July 18, 1972			
II. DATUMS							
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 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						Feb. 1973	
METHOD: Stereoplanigraph							
2. CONTROL AND BRIDGE POINTS PLOTTED BY							
METHOD: Coradomat CHECKED BY							
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY L. Neterer, Jr.						Feb. 1973	
COMPILATION CHECKED BY A.L. Shands						Feb. 1973	
INSTRUMENT: Wild B-8				CONTOURS BY NA			
SCALE: 1:15,000				CHECKED BY NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY C. Blood						Mar. 1973	
CHECKED BY R. White						May, 1973	
METHOD: Smooth Drafted				CONTOURS BY NA			
SCALE: 1:10,000				CHECKED BY NA			
HYDRO SUPPORT DATA BY C. Blood						Mar. 1973	
CHECKED BY R. White						May, 1973	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY R. White						May, 1973	
6. APPLICATION OF FIELD EDIT DATA BY Margiotta/Gustafson						Oct. 1973	
CHECKED BY A.L. Shands						Jan. 1974	
7. COMPILATION SECTION REVIEW BY A.L. Shands						Apr. 1975	
8. FINAL REVIEW BY A.L. Shands						Jan. 1977	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY A.L. Shands						Mar. 1977	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY J.B. Phillips						Apr. 1977	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R.T. Cator						May 1977	

NOAA FORM 76-36B
(3-72)

TP-00333

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E"		TYPES OF PHOTOGRAPHY LEGEND (CI) COLOR INFRARED (C) COLOR (P) PANCHROMATIC (I) INFRARED		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 75 W	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72E(CI)1616 - 1620	18 APR 72	10:49	1:30,000	3.1 ft. above MLW	
REMARKS					

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled from the color infrared photographs listed above.

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

No Low Water photography available. No Mean Low Water Line delineated.

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 No Survey	EAST No Survey	SOUTH No Survey	WEST TP-00318
REMARKS			

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

TP-00333

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.D. Olson	Sept. 1972
2. HORIZONTAL CONTROL	RECOVERED BY R.D. Olson	Sept. 1972
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R.D. Olson	Sept. 1972
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72E(CI)1619	NE 146C, 1960		
72E(CI)1617	SE 154A, 1960		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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)

4 Forms 152 Control Station Identification

TP-00333

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.D. Olson	May, 1973
2. HORIZONTAL CONTROL	RECOVERED BY R.D. Olson ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	May, 1973
3. VERTICAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None LOCATED (Field Methods) BY None IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

N. A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

72E(CI)1617 thru 1620

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72E(CI)1617	STACKS		
" "	STACKS		
" "	WASHINGTON GAS LIGHT CO. PIER LIGHT		
72E(CI)1618	ANACOSTIA RIVER LIGHT 5		

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)

- 1 Field Edit Ozalid
- 1 Field Edit Report
- 1 Form 526 Recovery Note
- 4 Forms 76-40 Landmarks and Aids

NOAA FORM 76-36D
(3-72)

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

TP-00333

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	MAR 1977	Class III Manuscript	6/8/73	6/6/73
Field edit applied Compilation complete	OCT 1973	Class I Manuscript	4/18/75	
Final Review	JAN 1977			

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		7/16/75	Landmarks to be deleted
1		7/16/75	Landmarks to be charted
1		7/16/75	Aids to be deleted
1		7/16/75	Aids to be charted
2. <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/16/75			
3. <input type="checkbox"/> 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.

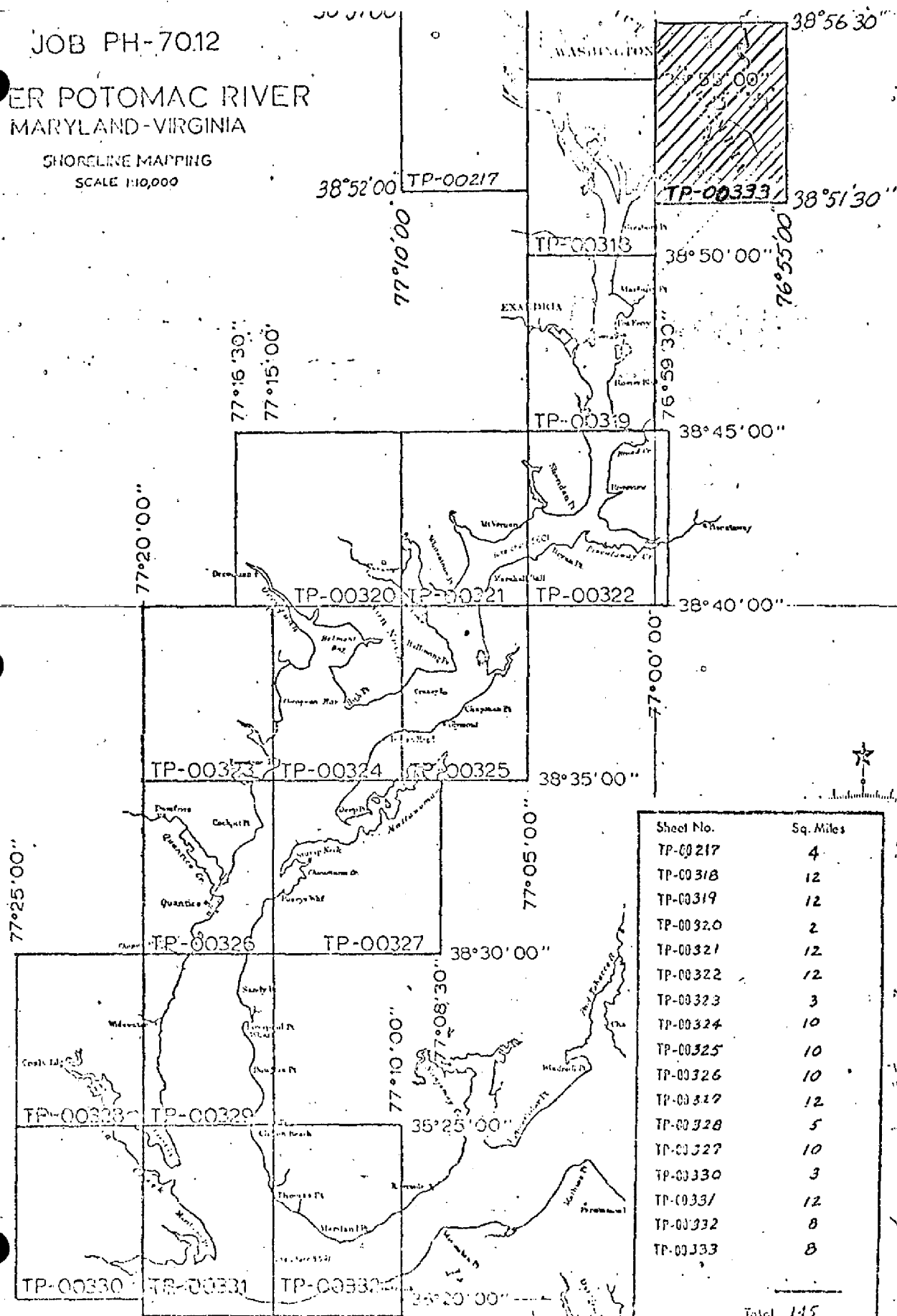
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

4. ☒ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: May 1977

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	

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

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00318 thru TP-00322, TP-00217 and TP-00333

Project PH-7012 covers the upper Potomac River from Maryland Point north to Latitude $38^{\circ} 57' 00''$ at Little Falls Dam. All tributaries emptying into the Potomac along this route were mapped to their headwaters.

There are seventeen 1:10,000 scale maps in this project, the purpose of which is to provide contemporary shoreline in support of hydrographic operations conducted in the area from 1972 to 1974. To better coordinate the shoreline compilation with the scheduling of hydrographic operations, compilation was divided into two parts. The southern half, consisting of ten manuscripts, TP-00323 through TP-00332, was compiled in the Rockville office in 1972. Field edit was applied and Final Review was performed on these manuscripts by employees of the Rockville office. Reference should be made to "Job Completion Report PH-7012 (Southern Part)" by J. B. Phillips for information concerning these manuscripts.

Compilation of Manuscripts TP-00217, TP-00318 through TP-00322 and TP-00333, comprising the northern portion of the project, was accomplished at the Atlantic Marine Center in March and April of 1973. The Wild B-8 stereoplotter was used. Tandem flights of color infrared and black and white infrared photography flown in April 1972 at 1:30,000 scale were provided. The color infrared photography was used for both compilation and hydro support purposes. They were the only set of photographs sent to the field. The black and white infrared photography was not used during any phase of compilation or field edit.

The stage of tide at the time of photography was one foot above the mean high water plane as determined from the hourly heights supplied by the Tides Branch (see attached). This circumstance may have resulted in a slight displacement of the shoreline in marsh and swamp areas. It is not felt, however, that this would materially affect the overall shoreline delineation. Cloudy water conditions coupled with the high tide level resulted in those features (rocks, wrecks, shoals, etc.) in the river at or below MHW not being visible on the photographs. As a result, many of the features picked up by the hydrographer could not be verified photogrammetrically.

Field work prior to compilation was limited to the recovery and identification of horizontal control necessary for bridging. This was done in August through September, 1972.

Field edit was accomplished in July 1973, November 1974, and February 1975. It was applied at AMC at various times between November, 1973 and April, 1975.

Final review of TP-00217, TP-00318 through TP-00322, and TP-00333 was done at AMC in January and February, 1977.

The original stabilene base manuscripts, each 1:10,000 scale, were forwarded to the Rockville office for reproduction of registration copies.

NATIONAL OCEAN SURVEY (NCAA)
TIDES, HOURLY HEIGHTS (FEET)

PAGE 2

WASHINGTON D C

APR 1972

TM 75.00W

DAY OF MONTH

HOUR	12	13	14	15	16	17	18	19	20	21	22
0	4.20	5.16	5.61	6.15	6.87	8.05	7.88	8.11	7.13	4.85	7.18
1	3.98	4.87	5.22	5.62	6.28	7.44	7.39	7.80	7.27	5.80	7.95
2	4.19	4.85	4.96	5.24	5.74	6.88	6.83	7.28	7.06	6.37	8.17
3	5.22	5.55	5.01	5.01	5.33	6.39	6.30	6.73	6.62	6.64	8.00
4	6.41	6.85	6.06	5.30	5.06	6.04	5.89	6.23	6.06	6.60	7.66
5	7.15	7.94	7.43	6.57	5.16	5.75	5.57	5.85	5.59	6.22	7.24
6	7.45	8.33	8.26	7.79	6.25	5.64	5.41	5.56	5.18	5.66	6.79
7	7.41	8.44	8.62	8.44	7.52	6.35	5.72	5.44	4.90	5.11	6.37
8	7.01	8.18	8.59	8.71	8.25	7.36	6.87	5.67	4.76	4.72	6.01
9	6.41	7.53	8.18	8.61	8.57	7.98	7.94	6.50	4.83	4.54	5.72
10	5.76	6.86	7.51	8.15	8.49	8.22	8.48	7.42	5.45	4.76	5.52
11	5.19	6.22	6.78	7.50	8.07	7.95	<u>8.66</u>	7.97	6.38	5.65	5.68
12	4.73	5.76	6.13	6.86	7.46	7.47	8.51	8.16	7.01	6.74	6.50
13	4.45	5.47	5.64	6.30	6.82	6.89	8.06	7.99	7.22	7.38	7.53
14	4.47	5.19	5.25	5.82	6.27	6.35	7.49	7.55	7.24	7.65	8.23
15	5.25	5.18	4.94	5.51	5.90	5.88	6.92	7.01	6.85	7.67	8.56
16	6.53	5.94	4.84	5.21	5.60	5.51	6.46	6.46	6.19	7.43	8.57
17	7.43	7.10	5.61	5.17	5.40	5.25	6.11	6.02	5.64	7.05	8.22
18	7.91	7.65	6.89	5.97	5.74	5.12	5.86	5.67	5.13	6.59	7.66
19	8.01	8.15	7.78	7.20	6.97	5.41	5.70	5.41	4.70	6.17	7.09
20	7.68	8.08	8.12	7.98	8.11	6.43	5.89	5.18	4.28	5.83	6.62
21	7.01	7.58	8.01	8.26	8.55	7.42	6.65	5.18	3.97	5.58	6.25
22	6.29	6.86	7.53	8.09	8.84	7.96	7.63	5.67	3.79	5.62	5.96
23	5.65	6.20	6.83	7.57	8.61	8.07	8.10	6.55	3.95	6.21	5.71

DATUM IS

Subtract 4.26' to refer to MLLW

8.66
7.16
4.4' above MLLW

FIELD INSPECTION

TP-00333

Field inspection was limited to the recovery and identification of horizontal control required for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT

Job PH-7012

Upper Potomac River, Maryland - Virginia (Part 2)

February, 1973

21. Area Covered

This report covers an area of the Potomac and Anacostia Rivers south from latitude $38^{\circ}57'00''$ to $38^{\circ}40'00''$ where it joins Part 1 of this project. The job consists of seven (7) 1:10,000 scale sheets (TP-00318 thru TP-00322, TP-00217, and TP-00333).

22. Method

Six (6) strips of photographs (strip 1 and strips 3 thru 6) were bridged using the C-8 Stereoplaingraph and adjusted on the IBM 1620. Strip 2 was bridged on the S.T.K. and adjusted by analytical aerotriangulation methods. All strips were adjusted to field-identified horizontal control stations with the exception of strips 3 and 5, where office-identified control stations were used to supplement the field-identified control. Ties were made between all strips. The sketch shows the location of the strips of photography and the horizontal control stations used in bridging. Common image points were located during bridging between the color infrared photography and the black-and-white infrared photography in order to determine a ratio for the enlargements used in compilation.

Data for the seven (7) 1:10,000 scale compilation sheets were plotted by the Coradomat 21 Plotter on the Maryland and Virginia (north zone) coordinate system.

23. Adequacy of Control

All horizontal control used in the adjustment was field identified except for the following stations:

WOODBIDGE Relay Mast 1957

BELLEVUE D.C. Fire Dept. Training Center Tank 1970

ALEXANDRIA Washington Masonic Nat. Memorial 1934

These office-identified stations were used only because they provided a better balance of control for the adjustment.

In general, the identification of horizontal control stations (sub points) was poor. Also, the mathematical solutions for the sub points were very poor because of small angles involved in computing azimuths. Horizontal control was adequate.

24. Supplemental Data

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

25. Photography

The following RC-8 color infrared photography (E camera) was used for bridging and the black-and-white infrared (K camera) was flown in tandem with the E camera:

1:30,000 scale photography

strip 1	72 E(c) 1624R	thru	1631R
	72 K 7254R		7262R
strip 2	72 E(c) 1615R	thru	1621R
	72 K 7245R		7252R
strip 3	72 E(c) 1594R	thru	1601R
	72 K 7225R		7232R
strip 4	72 E(c) 1644R	thru	1649R
	72 K 7275		7279R
strip 5	72 E(c) 1654	thru	1666R
	72 K 7285		7297R
strip 6	72 E(c) 1649R	thru	1655R
	72 K 7280R		7236R

Photography was adequate as to coverage, overlap, and identification.

Submitted by

(B)
Donald M. Brant

Approved by:

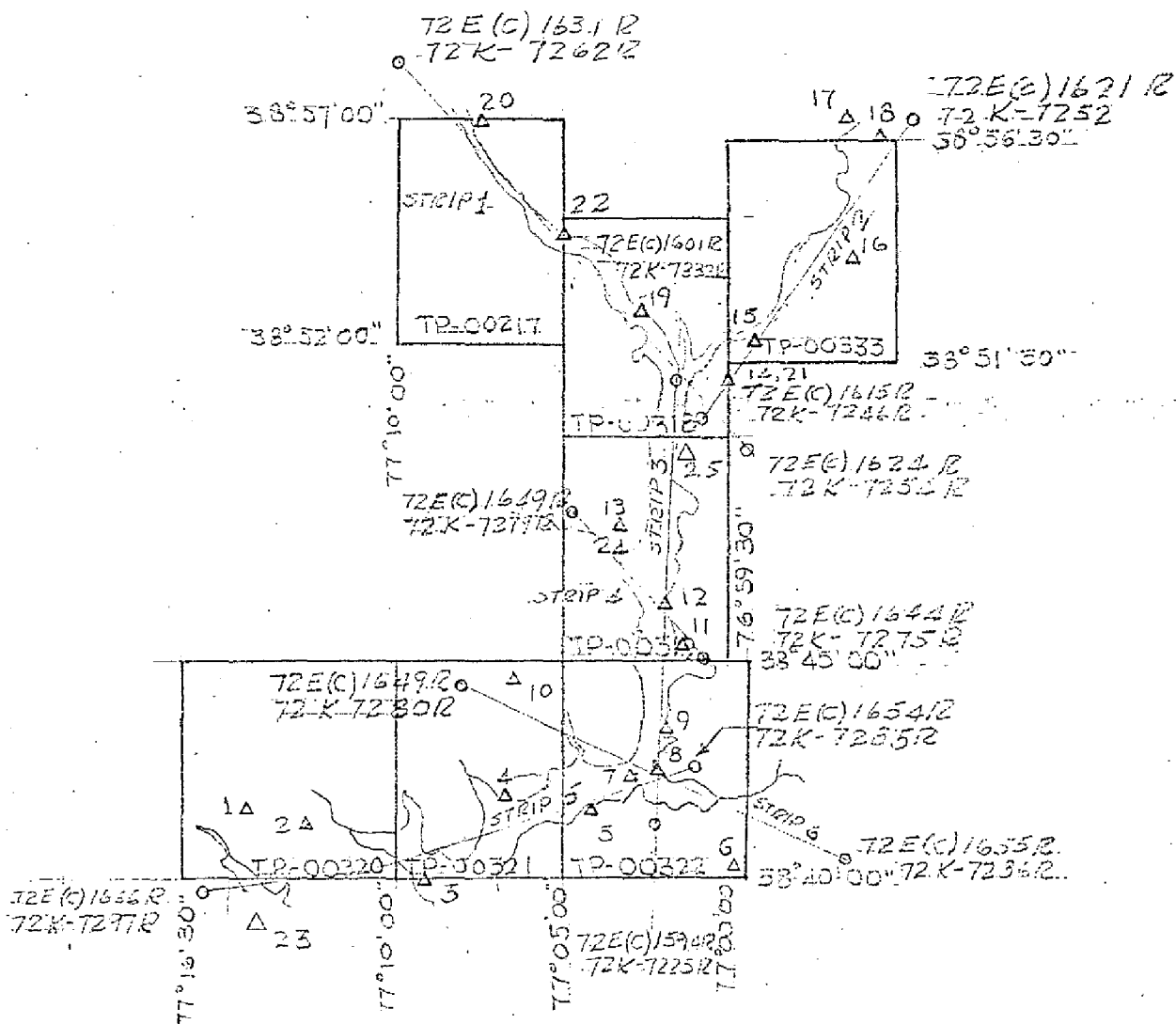
(J.D.P.)
John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB PH-7012 PART 2

UPPER POTOMAC RIVER
MARYLAND-VIRGINIA

SHORELINE MAPPING

SCALE 1:10000



LEGEND

Δ HORIZONTAL CONTROL (USED IN BRIDGING)
 \circ 1:50,000 SCALE COLOR INFEARED (FOR BRIDGING)
 \circ 1:50,000 SCALE BLACK & WHITE INFEARED
 KEY TO CONTROL ON PAGE 1

JOB PH-7012

KEY TO HORIZONTAL CONTROL USED FOR BRIDGING

1. OCCOQUAN PENAL INST. STANDPIPE 1959
2. OX 1959
3. WIG 1934
4. FERRY POINT 1959
5. BRYAN 2 1928
6. BEALLE RM 5 1957
7. UPPER POTOMAC RIVER LIGHT 77 1959
8. FORT 1928
9. RIVERVIEW WHARF LIGHT 82 1959
10. GUM SPRINGS RAD. STA. WPIK MAST 1969
11. QUEEN 2 1959
12. UPPER POTOMAC RIVER LIGHT 88 1959
13. TEMPLE 1934
14. ST. ELIZABETH'S INSANE ASYLUM RED STACK 1934
15. SE 154 A 1960
16. NE 146 C
17. HYATTSVILLE RAD. STA. KGA 361 MAST 1970
18. ROGER HEIGHTS STANDPIPE 1952
19. GATE 2 1970
20. MAP AMS 1952
21. INSANE 1912
22. ST. PATRICKS EPISCOPAL CHURCH BELL TOWER
23. WOODBRIDGE RELAY MAST 1957
24. ALEXANDRIA WASHINGTON MASONIC NAT. MEMORIAL 1984
25. BELLEVUE D.C. Fire Dept. Training Center TANK 1970

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS	
			TP-00333	PH-7012		STATE	ZONE	ϕ LATITUDE	λ LONGITUDE	Forward	Back
	CHEVERLY MUNICIPAL TANK, 1933	G.P. G-144			77	x=		ϕ 38 55	52.344	1614.1	(236.1)
		Unadj. P. 13				y=		λ 76 55	03.035	73.1	(1372.1)
	BRADBURY HEIGHTS, LARGE SILVER WATER TANK, BALL ON TOP(MD), 1933	G.P. P. 285 MD P. 101 DC				x=		ϕ 38 52	12.822	365.4	(1454.8)
						y=		λ 76 56	16.562	399.3	(1047.1)
	SE 154-A, 1960	G.P. Vol. II				x=		ϕ 38 52	22.464	692.7	(1157.5)
		P. 215 DC				y=		λ 76 59	02.867	69.1	(1377.3)
	NE 146-C, 1960	P. 207 Vol. II				x=		ϕ 38 54	23.014	709.7	(1140.5)
						y=		λ 76 56	21.875	527.1	(918.6)
						x=		ϕ			
						y=		λ			
						x=		ϕ			
						y=		λ			
						x=		ϕ			
						y=		λ			
						x=		ϕ			
						y=		λ			
						x=		ϕ			
						y=		λ			
						x=		ϕ			
						y=		λ			
						x=		ϕ			
						y=		λ			
COMPUTED BY	A.C. Rauck, Jr.		DATE	2/20/73		COMPUTATION CHECKED BY	C. Blood	DATE	3/5/73		
LISTED BY			DATE			LISTING CHECKED BY	L.O. Neterer, Jr.	DATE	2/20/73		
HAND PLOTTING BY			DATE			HAND PLOTTING CHECKED BY		DATE			

COMPILATION REPORT

TP-00333

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter. 1:30,000 scale color infrared photographs were used. Coverage was adequate.

32. CONTROL

See Photogrammetric Plot Report, dated Feb., 1973.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Appropriate copies of Form 76-40 were forwarded to the field editor for additions, deletions and confirmations.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See Form 76-36B, Item #5, of this Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S. Geological Survey quadrangles ANACOSTIA, MD-DC and WASHINGTON EAST, MD-DC, 1:24,000 scale, dated 1965, revised 1971.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with charts 101 SC, 15th edition, dated December 30, 1972 and 560, 32nd edition, dated February 26, 1972, each 1:40,000 scale.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Charles E. Blood

Charles E. Blood

Carto. Tech., March, 1973

Approved:

Albert C. Rauck, Jr.

A.C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7012 (Potomac River)

TP-00333

Anacostia River

Beaverdam Creek

District of Columbia

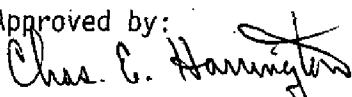
Hickey Run

Kingman Lake

Maryland

Watts Branch

Approved by:

Staff Geographer-C51x2
Chas. E. Harrington

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEYPHOTOGRAMMETRIC OFFICE REVIEW
TP-00333

1. PROJECTION AND GRIDS RW	2. TITLE RW	3. MANUSCRIPT NUMBERS RW	4. MANUSCRIPT SIZE RW
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RW	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS X X
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES X X	10. PHOTOGRAMMETRIC PLOT REPORT RW	11. DETAIL POINTS RW
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RW	13. LOW-WATER LINE RW	14. ROCKS, SHOALS, ETC. RW	15. BRIDGES RW
16. AIDS TO NAVIGATION RW	17. LANDMARKS RW	18. OTHER ALONGSHORE PHYSICAL FEATURES RW	19. OTHER ALONGSHORE CULTURAL FEATURES RW
PHYSICAL FEATURES			
20. WATER FEATURES RW	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES RW
CULTURAL FEATURES			
27. ROADS RW	28. BUILDINGS RW	29. RAILROADS RW	30. OTHER CULTURAL FEATURES RW
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RW	34. JUNCTIONS RW		35. LEGIBILITY OF THE MANUSCRIPT RW
36. DISCREPANCY OVERLAY RW	37. DESCRIPTIVE REPORT RW	38. FIELD INSPECTION PHOTOGRAPHS X X	39. FORMS RW
40. REVIEWER R.R. White		SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER F. Margiotta		SUPERVISOR A.C. Rauck, Jr.	
Re: A.L. Shands		10/1973 1/1974	
43. REMARKS A.L. Shands			

FIELD EDIT REPORT
TP 00333
Anacostia River, Washington D.C.
PH 7012

51. METHODS

All field edit work was done in accordance with project instructions: OPR-409-742-73, Anacostia River, District of Columbia dated Jan. 10, 1973; Anacostia River Change No. 2 dated Jan. 30, 1973; and Potomac and Anacostia Rivers Change No. 2 dated Feb. 15, 1973.

An inspection was made of all mean high water line and alongshore features and all additions, deletions, and corrections are shown on the field edit ozalid and field photos 72E(c)1617I thru 1620I. All fixes taken and a list of signals used and their positions are shown on the field edit sheet.

All notes on this sheet by the field editor are in violet to indicate additions or changes, and in green to indicate deletions. All times mentioned on the field edit ozalid refer to Greenwich Mean Time.

52. ADEQUACY OF COMPILATION

The compilation was adequate considering the photography available and that there was no field inspection.

Along both sides of a major portion of the Anacostia River runs a bulkhead composed of cut rock cemented in place. It exists as straight sections connected with very gentle smooth curves. The field edit ozalid references this "rock blkhd" to photographs showing those sections of the river bank where breaks occur or where the bulkhead starts or ends. In some areas tree overhang and shadows cause the shoreline to appear bumpy and it has been compiled that way. The entire compiled shoreline should be reviewed and re-compiled where necessary to produce a smooth line wherever this bulkhead is stated to exist.

Violet dashes were used to show the location of the bulkhead on the photographs where it is partially obscured by the trees. One portion of the bulkhead along the east bank on the south end of the sheet deserves special attention. Here the bulkhead is covered at the stage of tide at the time of photography. It was observed that the bulkhead at this point covers only at extreme high water.

It is felt that the mean high water line is best represented by the position of the bulkhead and not the water line visible on the photographs. Compile the bulkhead in this section using the measurements given from the parallel road and also with the fact that the storm drain outlets identified on the photography are all recessed one meter from the face of the bulkhead.

Special attention should also be given to Lake Kingman. Along almost the entire eastern shoreline of the lake and around the three largest islands exists a rock bulkhead in ruins, the entire length being submerged at the time of field edit in the area. Sextant fixes and distances from identifiable points were observed and indexed on the field edit ozalid.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

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

57. LANDMARKS AND AIDS TO NAVIGATION

There are two groups of stacks and two aids to navigation recommended for charting. Three stacks and one cupola are recommended to be deleted due to the small nature of marine traffic capable of using that portion of the Anacostia.

Respectfully Submitted,


Richard D. Olson

LT NOAA

Chief, Photo Party 61

[illegible]

[illegible]

REVIEW REPORT TP-00333

SHORELINE

January 13, 1977

61. GENERAL STATEMENT:

See Summary which is Pages 6a and 6b of this Descriptive Report.

A comparison print showing the differences noted in paragraphs 62, 63 and 65 is submitted with the original of this report.

The field editor stated that there is a chain link fence or debris barrier at each end of Kingman Lake. However, he only indicated the position of the one at the south end. It is assumed that the fence at the north inlet is at the foot bridge since lots of debris had collected there at the time of photography. Field confirmation of this is needed. The fence at the north inlet is not shown nor labeled on the manuscript.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of Shoreline Survey T-5755, 1:10,000 scale. The copy of T-5755 received by this reviewer was not dated. Significant differences are noted on the comparison print in blue pencil. T-11184 which also covers the area was not available at AMC during final review and no comparison was made with it.

In the area compared, TP-00333 supersedes the aboved mentioned surveys for nautical chart construction purposes. T-5755 and T-11184 are the latest registered surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles Washington East, MD-DC and Anacostia, MD-DC each 1:24,000 scale and dated 1965, photorevised 1971. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of final smooth sheet, H-9380 (742-10-3-73), the northern limit of which is the Benning Bridge. There is no contemporary hydrographic survey north of the H-9380(742-10-3-73) and therefore, no comparisons could be made north of the Benning Bridge. There were no significant differences noted in the area compared.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 12289, 1:40,000 scale, 36th edition, dated March 6, 1976. Significant differences are noted on the comparison print in red pencil.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

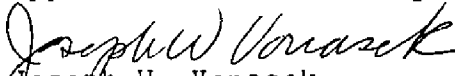
This map complies with the project instructions and meets the requirements of Bureau Standards and the National Standards of Map Accuracy.

Submitted by:



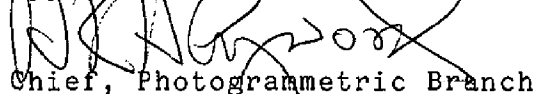
A.L. Shands
Cartographer

Approved for forwarding:

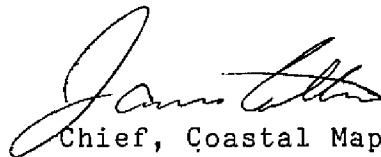


Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Map. Div.

Datum shift
here?

No S.L. visible
on photos

NOTE:

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

Beacon not in place
at time of edit.

Fence labeled "single
cable barrier" on
H-9380

Marine Rys not
visible on photos

Obstructions
not visible
on photos

COMPARISON PRINT

TP-00333

Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quad



This road temporary

RAILROAD

SOUSA
BRIDGE

72 E(CI) 1617

77° 58' 00"

38° 52' 30"

COMPARISON PRINT

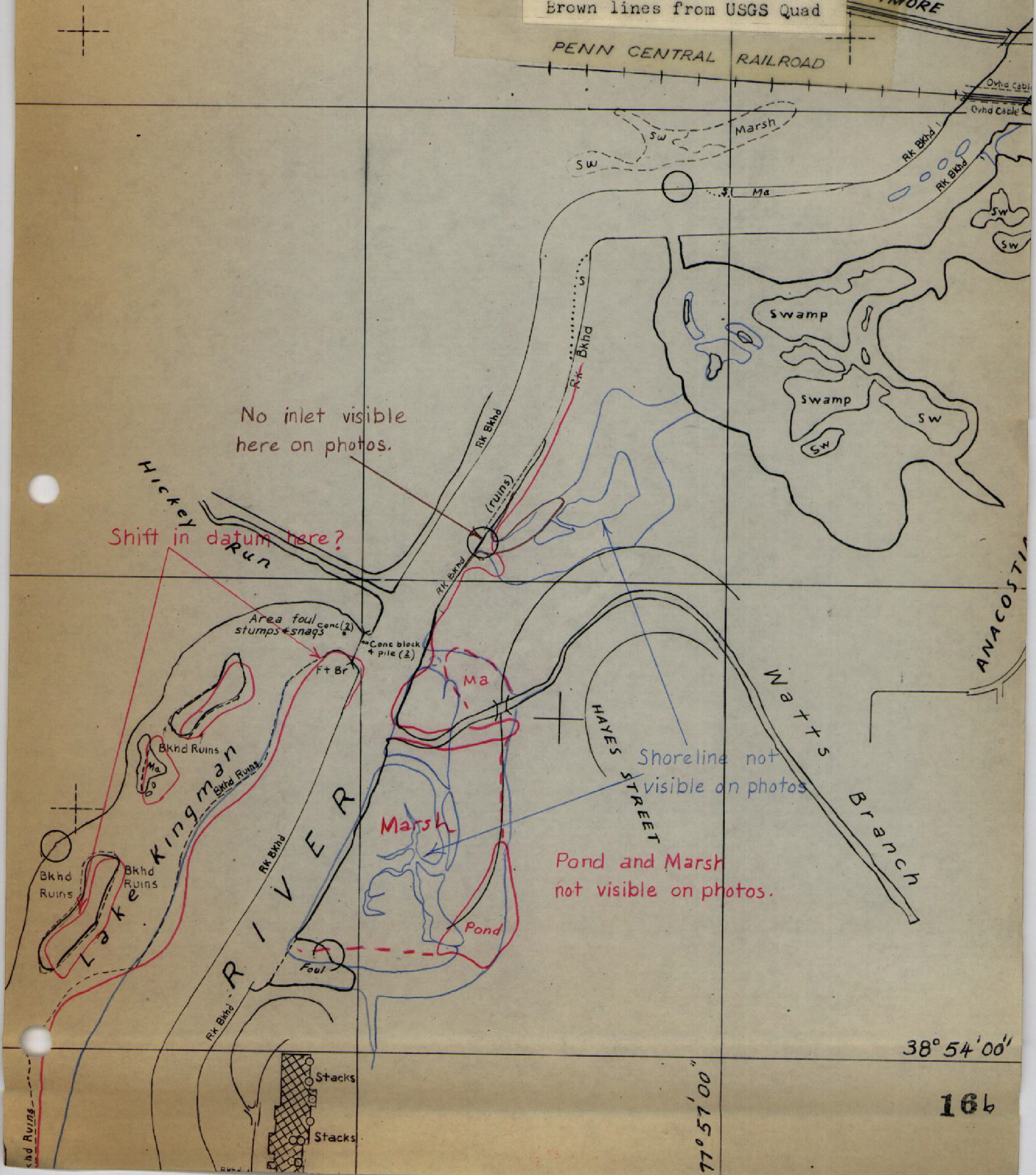
TP-00333

Red lines from chart

Blue lines from topo

Purple lines from hydro

Brown lines from USGS Quad



38° 54' 00"

166

77° 57' 00"

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00333

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]