ORIGINAL

TP-00319

1

NOAA FORM 76-36A (3-72)

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY
- [X] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP-00319
MAP EDITION NO. (1)
MAP CLASS Final (F.E.)
JOB PH-7012

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE
Jeffrey G. Carlen, Cdr.

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH-
MAP CLASS
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Aerotriangulation Jan. 9, 1973	
Compilation Feb. 14, 1973	July 18, 1972

II. DATUMS

1. HORIZONTAL:	[X] 1927 NORTH AMERICAN	OTHER (Specify)
2. VERTICAL:	[X] MEAN HIGH-WATER [X] 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 METHOD: Stereoplanigraph	BY	D.M. Brant	Feb. 1973
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	Coradomat	
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000	PLANIMETRY BY	L.O. Neterer, Jr.	April 1973
	CHECKED BY	C.E. Blood	April 1973
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth Drafted SCALE: 1:10,000	PLANIMETRY BY	C.E. Blood	May, 1973
	CHECKED BY	R.R. White	June 1973
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	C.E. Blood	May, 1973
	CHECKED BY	R.R. White	June 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R.R. White	June 1973
6. APPLICATION OF FIELD EDIT DATA	BY	G.R. Vanderhaven	Feb. 1975
	CHECKED BY	A.L. Shands	April 1975
7. COMPILATION SECTION REVIEW	BY	A.L. Shands	April 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)

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

TP-00319

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E"

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY
LEGEND
(CI) COLOR INFRARED
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Eastern
MERIDIAN: 75 W
- [X] STANDARD
- [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
72 E(CI)1597 - 1598	18 APR 72	10:20	1:30,000	2.8 ft. above MLW
72 E(CI)1599 - 1600	18 APR 72	10:24	1:30,000	2.9 ft. above MLW
72 E(CI)1644 - 1647	18 APR 72	11:33	1:30,000	2.8 ft. above MLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the color infrared photographs as listed above.

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

No mean low water line was compiled; no low water photography was available.

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-00318	No Survey	TP-00322	No Survey

REMARKS

NOAA FORM 76-36B
(3-72)

* U. S. GOVERNMENT PRINTING OFFICE: 1974-768-078

NOAA FORM 76-36C
(3-72)

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

TP-00319

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.D. Olson	Oct. 1972
2. HORIZONTAL CONTROL	RECOVERED BY	R.D. Olson	Oct. 1972
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	R.D. Olson	Oct. 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	R.D. Olson	Oct. 1972
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
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(C1)1597	QUEEN 2, 1959		
72E(C1)1647	TEMPLE, 1934		

3. PHOTO NUMBERS *(Clarification of details)*
None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72E(C1)1597	UPPER POTOMAC RIVER LIGHT 88		

5. GEOGRAPHIC NAMES: [X] REPORT [ ] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*
3 Forms 152 Control Station Identification

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36C
(3-72)

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

TP-00319

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		G.W. Jamerson	Nov. 1974
2. HORIZONTAL CONTROL	RECOVERED BY	R.D. Black	Nov. 1974
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
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	G.W. Jamerson	Nov. 1974
	LOCATED *(Field Methods)* BY	G.W. Jamerson	Nov. 1974
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G.W. Jamerson	Nov. 1974
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

72E (CI) 1597 thru 1600

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

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)*

1 Field Edit Ozalid
1 Film Copy (With Field Notes)
7 Forms 76-40 Landmarks and Aids
1 Field Edit Report
18 Forms 526 Recovery Notes

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

TP-00319

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	May, 1973	Class III Manuscript	6/8/73	6/6/73
Field edit applied Compilation complete	Feb. 1975	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 charted

2. [X] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 16, 1975
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; [X] FORM NOS ~~587~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. [X] 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)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	[ ] REVISED [ ] RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS [ ] II. [ ] III. [ ] IV. [ ] V. [ ] FINAL
THIRD EDITION	TP - _____ (3)	PH- _____	[ ] REVISED [ ] RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS [ ] II. [ ] III. [ ] IV. [ ] V. [ ] FINAL
FOURTH EDITION	TP - _____ (4)	PH - _____	[ ] REVISED [ ] RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS [ ] II. [ ] III. [ ] IV. [ ] V. [ ] FINAL

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6

JOB PH-7012

UPPER POTOMAC RIVER

SUMMARY TO ACCOMPANY

Project PH-7012 covers the upper Potomac River from Maryland Point north to Latitude 38° 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

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 (NOAA)
TIDES, HOURLY HEIGHTS (FEET)

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	8.66	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	7.85	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	6.69	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 MLW

8.66
4.26
4.40 above MLW

Field work prior to compilation was limited to the recovery and identification of horizontal control necessary for bridging. No report was submitted.

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°57'00" to 38°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:

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

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

Submitted by:

Donald M. Brant

Approved by:

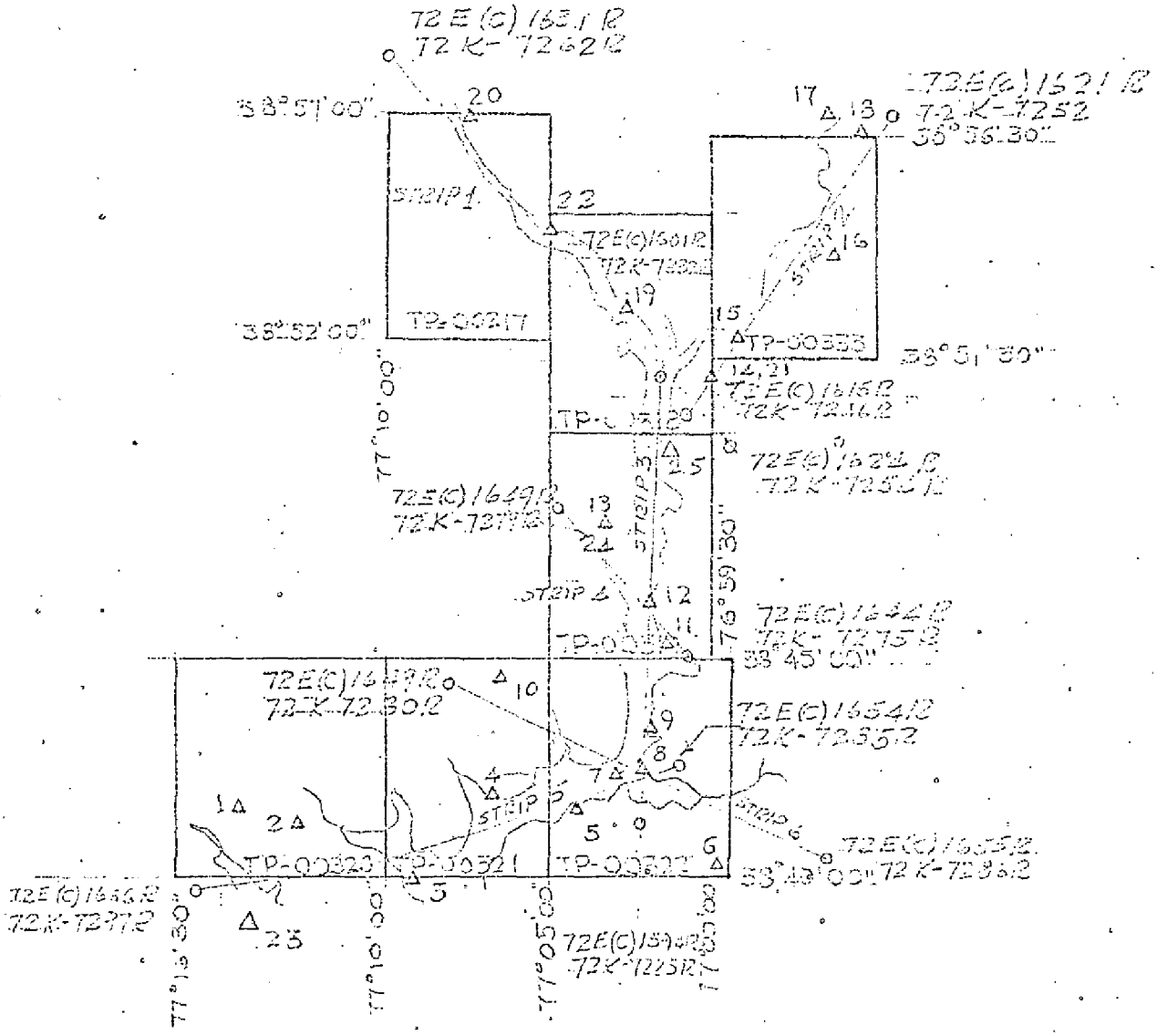
John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB PH-7012 PART 2

UPPER POTOMAC RIVER
MARYLAND - VIRGINIA

SHORELINE MAPPING

SCALE 1:10000



LEGEND

△ HORIZONTAL CONTROL (USED IN BRIDGING)

○ 1:50,000 SCALE COLOR INFRARED (FOR GROUNDING)

○ 1:50,000 SCALE BLACK & WHITE INFRARED

KEY TO CONTROL ON PAGE 2

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 RM5 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 STAND PIPE 1952
19. GATE 2 1970
20. MAT AMS 1952
21. INSANE 1912
22. ST. PATRICKS EPISCOPAL CHURCH BELL TOWER
23. WOODBRIDGE RELAY MAST 1957
24. ALEXANDRIA WASHINGTO MASONIC NAT. MEMORIAL 1932
25. BELLEVUE D.C. [illegible] Center TANK 1970

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00319	PH-7012	N.A. 1927	Coastal Mapping Division AMC - Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE / ZONE)	GEOGRAPHIC POSITION (φ LATITUDE / λ LONGITUDE)	REMARKS Forward	REMARKS Back
BELLEVUE, DC FIRE DEPARTMENT TRAINING CENTER TANK, 1970	G.P.(field) G 14477 Pg. 16		x=	φ 38 49 14.113 ✓	435.2	(1415.0)
			y=	λ 77 00 54.364 ✓	1311.5	(136.0)
MARBURY POINT WHARF LIGHT, 1959	QUAD 380771 STA 1108		x=	φ 38 49 19.415	598.7	(1251.5)
			y=	λ 77 01 48.262	1164.2	(283.2)
UPPER POTOMAC RIVER LIGHT 88, 1959	G.P. Vol. II Pg. 394		x=	φ 38 46 09.632	297.0	(1553.2)
			y=	λ 77 01 52.010	1255.6	(192.9)
ALEXANDRIA, NORTON AND CO. TANK, 1969	G.P. G-14477 Pg. 21 Unadj.		x=	φ 38 48 45.044	1389.0	(461.2)
			y=	λ 77 02 21.841	526.9	(920.7)
ALEXANDRIA, CITY HALL STEEPLE, GOLD BALL, 1928	G.P. G-2888 Pg. 125 MD		x=	φ 38 48 19.251	593.6	(1256.6)
			y=	λ 77 02 36.939	891.3	(556.5)
ALEXANDRIA, GRAY CHURCH STEEPLE WITH CROSS, 1928	G.P. G-2888 Pg. 125 VA		x=	φ 38 48 06.119	188.7	(1661.5)
			y=	λ 77 02 39.688	957.7	(490.2)
ALEXANDRIA, GSA FEDERAL RESERVE CENTER, PEPCO TANK, 1970	G.P. G-14477 Pg. 17 Unadj.		x=	φ 38 47 48.256	1488.0	(362.2)
			y=	λ 77 02 30.156	727.7	(720.3)
WEST RADIO TOWER (on bldg. near Bellevue)(DC) 1928	G.P. VA, MD & DC MD Pg. 126		x=	φ 38 49 20.379	628.4	(1221.7)
			y=	λ 77 01 35.390	853.7	(593.7)
EAST RADIO TOWER (on bldg. near Bellevue)(DC) 1928	G.P. VA, MD & DC MD Pg. 126		x=	φ 38 49 20.404	629.2	(1221.2)
			y=	λ 77 01 33.118	798.9	(648.5)
TORPEDO PLANT, SMOKE STACK (VA), 1928	G.P. VA, MD & DC MD Pg. 126		x=	φ 38 48 17.918	552.5	(1297.6)
			y=	λ 77 02 24.340	587.3	(860.4)

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
A.C. Rauck, Jr.	2/20/73	C.E. Blood	2/22/73
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00319	PH-7012	N.A. 1927	Coastal Mapping Division AMC - Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS Forward	Back
ALEXANDRIA, DOME, RED TOP (VA), 1928	G.P. VA, MD & DC MD Pg. 126		x=	φ 38 48 36.834	1135.8	(714.3)
			y=	λ 77 02 44.994	1085.6	(362.1)
POWER, 1948	G.P. VA Vol. I Pg. 770		x=	φ 38 49 09.251	285.3	(1564.9)
			y=	λ 77 02 24.901	600.7	(846.8)
WINGATE, 1970	G.P.(field) G-14477 Pg. 8		x=	φ 38 49 21.776	670.6	(1179.6)
			y=	λ 77 00 38.055	918.0	(529.4)
GODDING, 1901	QUAD 380771 STA 1001		x=	φ 38 48 08.587	264.8	(1585.4)
			y=	λ 77 00 34.612	835.2	(612.7)
BELLWOOD, 1957	G.P. Vol. II VA Pg. 21		x=	φ 38 47 31.290	964.9	(885.2)
			y=	λ 77 04 31.118	751.0	(697.0)
SCOUT, 1928	MD Vol. I Pg. 120		x=	φ 38 46 01.621	50.0	(1800.1)
			y=	λ 77 01 49.502	1195.1	(253.4)
ALEXANDRIA MUNICIPAL TANK, 1969	G.P.(field) G-14477 Pg. 18		x=	φ 38 48 59.217	1826.0	(24.2)
			y=	λ 77 03 06.707	161.8	(1285.7)
QUEEN 2, 1959	G.P. Vol. II MD Pg. 390		x=	φ 38 45 13.082	403.4	(1446.7)
			y=	λ 77 01 35.951	868.1	(580.7)
TEMPLE, 1934	G.P. VA Vol. I Pg. 149		x=	φ 38 48 32.087	989.6	(860.6)
			y=	λ 77 04 04.168	100.6	(1347.1)
DUNN RM 2, 1969	G.P.(field) G-14477 VA Pg. 2		x=	φ 38 45 11.493	354.4	(1495.8)
			y=	λ 77 03 54.941	1326.7	(122.1)

COMPUTED BY C.E. Blood	DATE 3/2/73	COMPUTATION CHECKED BY Brad Foltz	DATE 3/2/73
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

96

ARTMENT OF COMMERCE
PHERIC ADMINISTRATION

ng Division
VA

REMARKS

rward	Back
207.7	(1642.5)
277.0	(171.2)
459.1	(1391.1)
330.5	(116.9)
858.3	(991.9)
562.9	(885.1)
821.3	(28.9)
479.6	(967.9)
819.8	(1030.4)
409.7	(38.0)
745.6	(104.2)
620.1	(827.1)

TE
/2/73
TE
TE

9c

COMPILATION REPORT

TP-00319

31. DELINEATION

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

32. CONTROL

See Photogrammetric Plot Report, dated February, 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

Photography sufficiently covered the area however, due to the high tide at the time of photography several offshore shoal areas could not be delineated.

37. LANDMARKS AND AIDS

Appropriate copies of Form 76-40 were forwarded to the field editor.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

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

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangle: ALEXANDRIA, VA-DC-MD, scale 1:24,000, dated 1965, revised 1971.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Charts 101 SC, edition 15, dated December 30, 1972 and 560, edition 32, 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 Blood
Charles Blood
Carto. Tech., May 24, 1973

Approved:
Albert C. Rauck Jr.
A.C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

ADDENDUM TO COMPILATION REPORT

TP-00319

FIELD EDIT:

Field edit was adequate. However, the field editor should not have referred the Compilation office to the boatsheet to resolve the question about the proper delineation of Goose Island since mean high water line delineation is not normally delt with on the boatsheet and the boatsheet is never made available to the Compilation office.

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7012 (Potomac River)

TP-00319

Alexandria
Bald Eagle Hill
Barnaby Run
Belle View
Bellevue
Blue Plains
Broad Creek
Cameron Run
Daingerfield Island
District of Columbia
Fox Ferry Point
Goose Island
Hog Island
Hooff Run
Hunting Creek
Huntington
Indian Queen Bluff
Jones Point
Marbury Point
Marlin Forest
Maryland
New Alexandria
Oxon Creek
Oxon Run
Potomac River
Rosier Bluff
Shepherds Landing
Villamay
Virginia
Wellington Heights

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

NOAA FORM 75-74
(7-75)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00319

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
RRW	RRW	X X	X X

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
RRW	NA	

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	X X	X X	X X

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
RRW	X X	RRW	RRW

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
RRW	RRW	RRW	RRW

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
RRW	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	RRW

CULTURAL FEATURES

FIELD EDIT REPORT

TP-00319

Upper Potomac River
Maryland-Virginia

51. METHODS

All work was done in accordance with Provisional Photogrammetry Instructions-Field Edit Surveys, current photo-instructions, and project instructions.

An inspection of all shoreline and alongshore features was made, and all deletions, additions, and corrections are either shown or referred to on the field edit paper ozalid. All field edit notes are in purple ink for additions and corrections are in green ink for deletions.

Searches by boat for reported features below the mean high water line (eg. wrecks, piling, rocks) were made. Because of the limited visibility into the water and lack of wire drag gear, any negative findings noted in the field edit data should not be considered conclusive, unless otherwise stated. The latest hydrographic survey of the area should be consulted for more complete information.

Most of the field edit inspection was accomplished by boat. Features were located by either sextant fixes, planetable, or photo identification.

52. ADEQUACY OF COMPILATION

Compilation of shoreline and alongshore features was generally adequate, with the exception that some areas were compiled including overhanging trees. Some areas of overhanging trees are indicated on the field edit ozalid and on the manuscript. A check of the shoreline compilation is recommended.

One question regarding an island and obstruction on the west side of the river near New Alexandria is answered by photos showing both island and obstruction.

At Marbury Point, the dock being built at the time of photography is charted on chart 560, however a shoreline change is to be noted on the manuscript.

Goose Island and the shoals adjoining were compiled by the hydro party at the time of field edit; the hydrographic boat-sheet should be referred to for these areas as noted on the field edit ozalid.

54. RECOMMENDATIONS

None

56. GEOGRAPHIC NAMES

No discrepencies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

Navigational lights to be charted include Marbury Point Wharf light, 1959 and Upper Potomac River Light 88, 1959. One light, Four Mile Run Leading Light, is to be deleted.

Fourteen landmarks are recommended to be charted and six landmarks are recommended deleted.

Respectfully submitted,

George W. Jamerson

George W. Jamerson
Lt. NOAA
Chief, Photo Party 61
November 1, 1974

orig. to charts
7/11/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [ ] TO BE CHARTED
- [ ] TO BE REVISED
- [X] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk, Va.	Maryland Virginia	Potomac River	Mar.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
409	Ph-7012	TP-00319	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TOWER	Obscured by a landmark tower closer to the river	38-49.6		77-01.5			Oct.20,1974	101SC 560
TANK	Not found	38-48.7		77-02.5			" " "	" "
TANK	(Alexandria Municipal Tank,1969) not easily see from the river	38-48	59.217 / 1826.0	77-03	06.707 / 161.8		" " "	" "
SPIRE		38-48.2		77-03.0			* " " "	" "
SPIRE		38-48.5		77-02.8			* " " "	" "
STACK	(Bellevue Naval Research Laboratory Main Power House Stack(DC),1946)	38-49	16.569 / 510.9	77-01	36.707 / 885.5		* " " "	" "
	*= Field editor gave no reason for these deletions.							

14a

ACN-013

orig. to charts
7/11/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

~~NON-LOCATING AIDS OR~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

[X] TO BE CHARTED
[ ] TO BE REVISED
[ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk, Va.	Maryland Virginia	Potomac River	Mar.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
409	Ph-7012	TP-00319	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TOWER	Observation Tower at the Naval Research Laboratory. Ht.=84(94)	ok 38-49	38.79 / 1198	77-01	35.51 / 857	72E(C)(I)1600 Apr.18,1972	V-Vis. Oct.31,1974	101SC 560
RADAR DISH	At Naval Research Laboratory. Ht.=117(127)	ok 38-49	18.85 / 585	77-01	36.76 / 887	" " " "	V-Vis. " "	" "
TANK	(Alexandria, Norton Co., Tank,1969) Ht.=110(115)	ok 38-48	45.044 / 1389.0	77-02	21.841 / 526.9	72E(C)(I)1599 ~~Apr.18,1972~~	Triang. Rec. Oct.20,1974	" "
SPIRE	(Alexandria,City Hall Steeple, Gold Ball,1928) Ht.=135(165)	ok 38-48	19.251 / 593.6	77-02	36.939 / 891.3	" " " "	" " " "	" "
TANK	(Bellevue ,D.C.Fire Department Training Center Tank,1970) Ht.=156 (201)	ok 38-49	14.113 / 435.2	77-00	54.364 / 1311.5	" " " "	" " " "	" "
STACK	Ht.=187(217	ok 38-47	50.43 / 1555	77-03	23.70 / 572	72E(C)(I)1646 Apr.18,1972	V-Vis. Oct.20,1974	" "
TANK	(Bell Haven Fairfax Co.,Tank,1969) Ht.=92(242)	ok 38-47	06.736 / 207.7	77-03	52.907 / 1277.0	" " " "	Triang.Rec. Oct.20,1974	" "
MONUMENT	(Alexandria, Masonic Temple,1934) Ht.=332(442)	ok 38-48	26.587 / 819.8	77-03	58.427 / 1409.7	72E(C)(I)1599 ~~Apr.18,1972~~	" " " "	" "
STACK	Most northerly of five. Ht.=149(179)	ok 38-49	15.08 / 465	77-02	27.30 / 659	" " " "	V-Vis. Oct.19,1974	" "
STACK	Ht.=107(122) This position was reported incorrectly. A.L. Shands Final Reviewer 1-25-76	Unlse 38-49	~~02.92~~ 0.30 / ~~09~~ 01	77-01	36.19 / 873	" " " "	" " " "	" "

146

BCK - D.B

orig to charts
7/11/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

[redacted] LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

[X] TO BE CHARTED
[ ] TO BE REVISED
[ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Div. AMC- Norfolk, Va.
STATE: Maryland Virginia
LOCALITY: Potomac River
DATE: Mar.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.: 409
JOB NUMBER: Ph-7012
SURVEY NUMBER: TP-00319
DATUM: N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
SPIRE	(Alexandria, Gray Church Steeple, With Cross, 1928) Ht.=128(158)	ok 38-48	06.119 / 188.7	77-02	39.658 / 957.7	72E(C)(I)1599 ~~Apr.18,1972~~	Triang. Rec. Nov.5,1974	101SC 560
TANK	(Alexandria, G.S.A. Federal Reserve Center, P.E.P.Co Tank, 1970) Ht.=130 (135)	ok 38-47	48.256 / 1488.0	77-02	30.156 / 727.7	" " " "	" " Oct.20,1974	" 564
R.TOWER	Ht.=134(219)	ok 38-45	57.53 / 1774	77-01	37.24 / 899	" " " "	V-Vis. Oct.19,1974	" 564
STACK	Ht.=140(164)	ok 38-48	45.21 / 1394	77-00	49.66 / 1198	" "	V-Vis. Oct.20,1974	" "

14c

ack - D.B

orig. to charts
7/4/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

[X] TO BE CHARTED [ ] TO BE REVISED [ ] TO BE DELETED	REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
	Coastal Mapping Div. AMC- Norfolk, Va.	Maryland Virginia	Potomac River	Mar. 1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
409	Ph-7012	TP-00319	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	(Marbury Point Wharf Light, 1959)	38-49	19.415 598.7	77-01	48.262 1164.2		Triang. Rec. Oct. 15, 1974	101SC 560
LIGHT	(Upper Potomac River Light 88, 1959)	38-46	09.632 297.0	77-01	52.010 1255.6	72E(C)(I)1597 ~~Apr. 18, 1972~~	Triang. Rec. Oct. 15, 1974	" "

14 P

ACR. D.B

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [ ] COMPILATION ACTIVITY
- [x] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [ ] TO BE CHARTED
- [x] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC - Norfolk, VA	Maryland	Potomac River	Jan. 77

The following objects HAVE [x] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
409	PH-7012	TP-00319	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
STACK	Ht = 107 (122)	38 49	0.30 01	77 01	36.19 873	72E(CI)1599 4/18/72	V-Vis 10/19/74	12289 12285
	Position of this LDMK Stack was reported incorrectly on Form 76-40 forwarded to Marine Chart Division by Compilation Office on 7/16/75.							
	A.L.S., Final Reviewer 1/19/77							

14e

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	A.L. Shands	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

REVIEW REPORT TP-00319

SHORELINE MAP

January 24, 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, 64 and 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Topographic Maps T-5756 and T-5757, each 1:10,000 scale, dated 1940 and 1939 respectively and Planimetric Surveys T-8605 and T-8606, 1:4,800 scale, dated 1948. These are the latest registered surveys of the area. Extensive differences in the shoreline configuration were noted and shown on the comparison print in blue pencil.

In the area compared,TP-00319 supersedes the above mentioned surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle Alexandria, VA-DC-MD, 1:24,000 scale, dated 1965, photorevised 1971. Significant differences are shown on the comparison print in brown pencil.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Boatsheets H-9477 (AHP-5-5-74) and H-9479 (AHP-10-6-74). No conflicts

were noticed between soundings and the shoreline delineation. However, many rocks, wrecks and piles positioned by the hydrographer are not visible on the photographs due to cloudy water conditions and the stage of tide at the time of photography. These are shown on the comparison print in purple pencil.

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

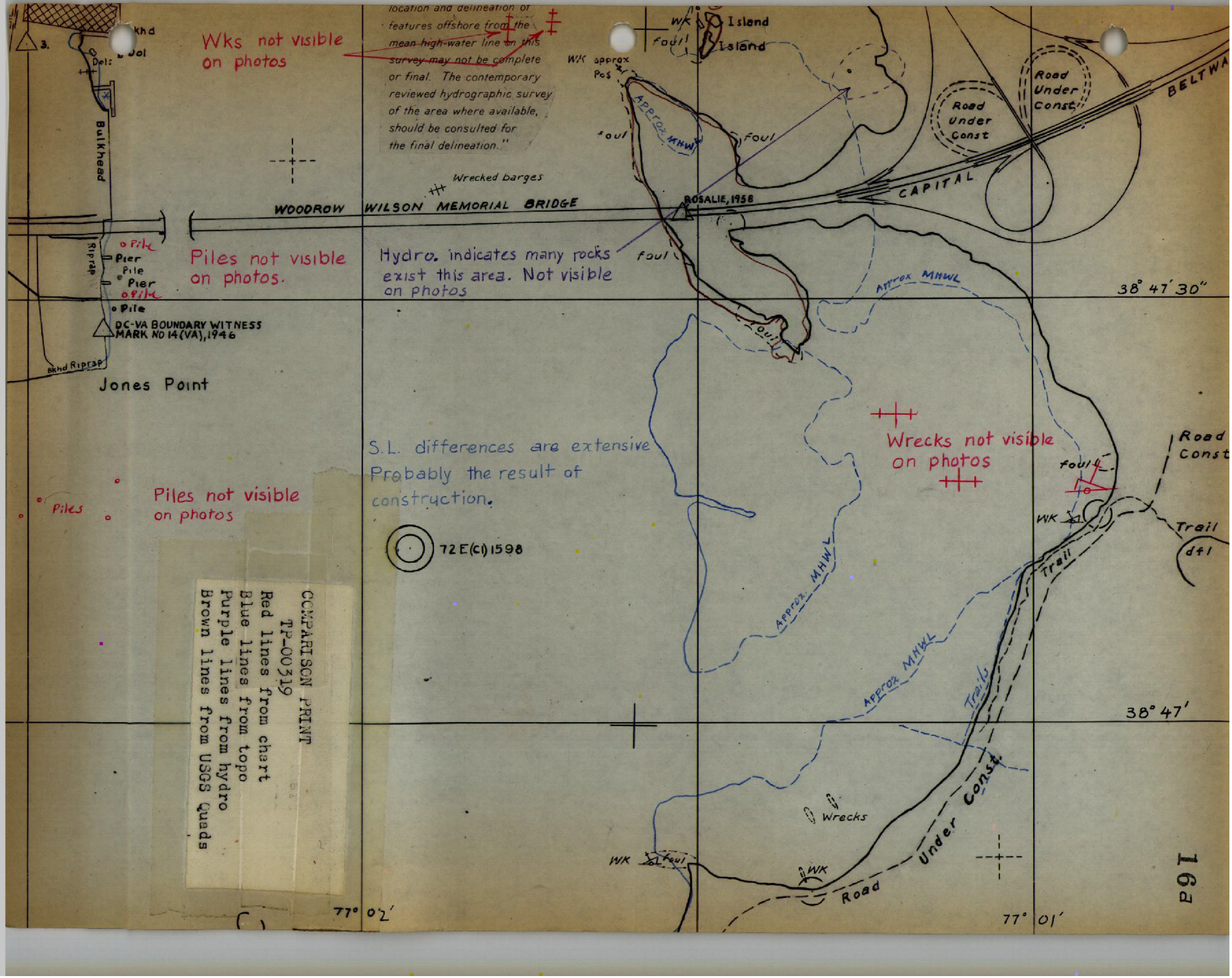
Approved for forwarding:

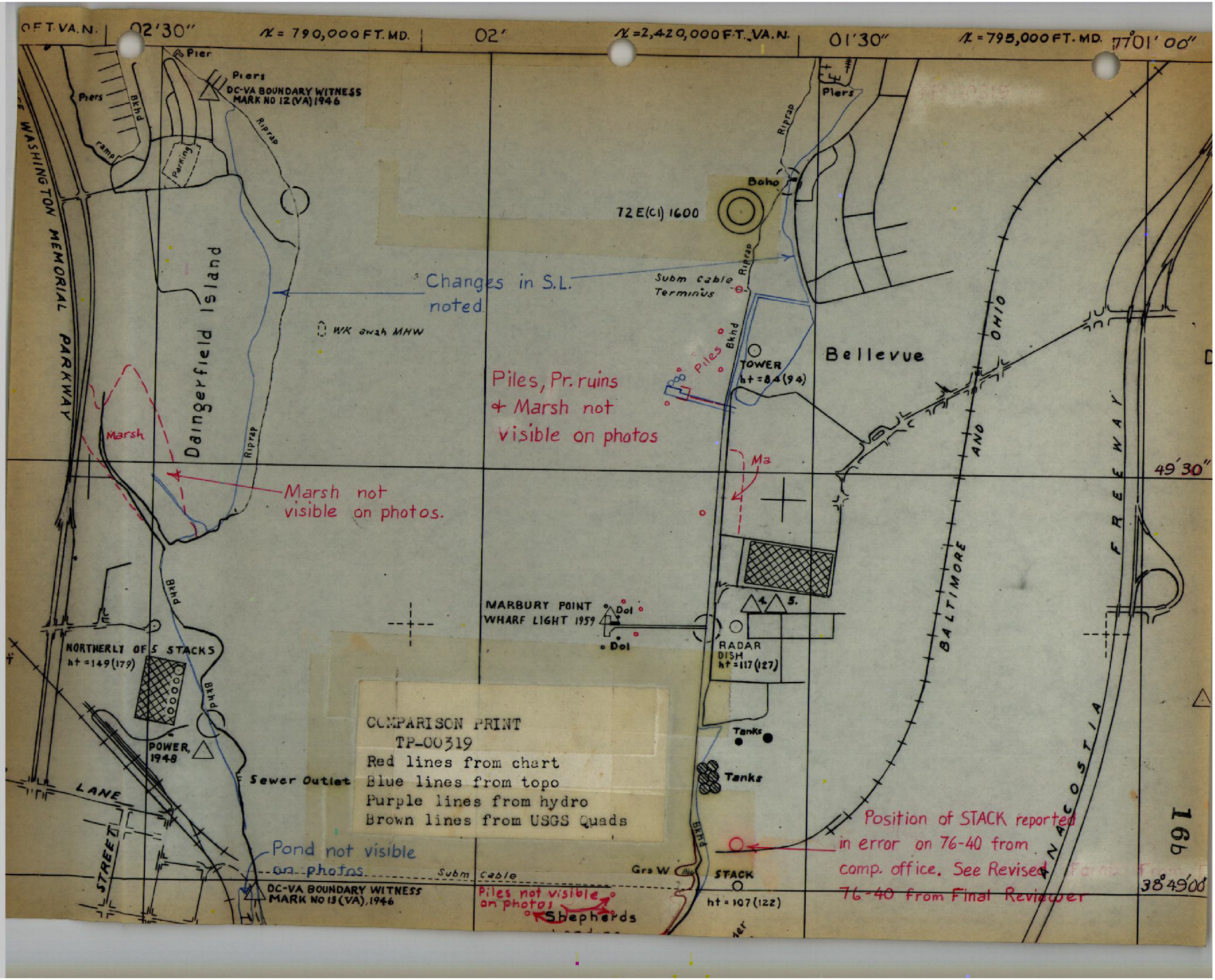
Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

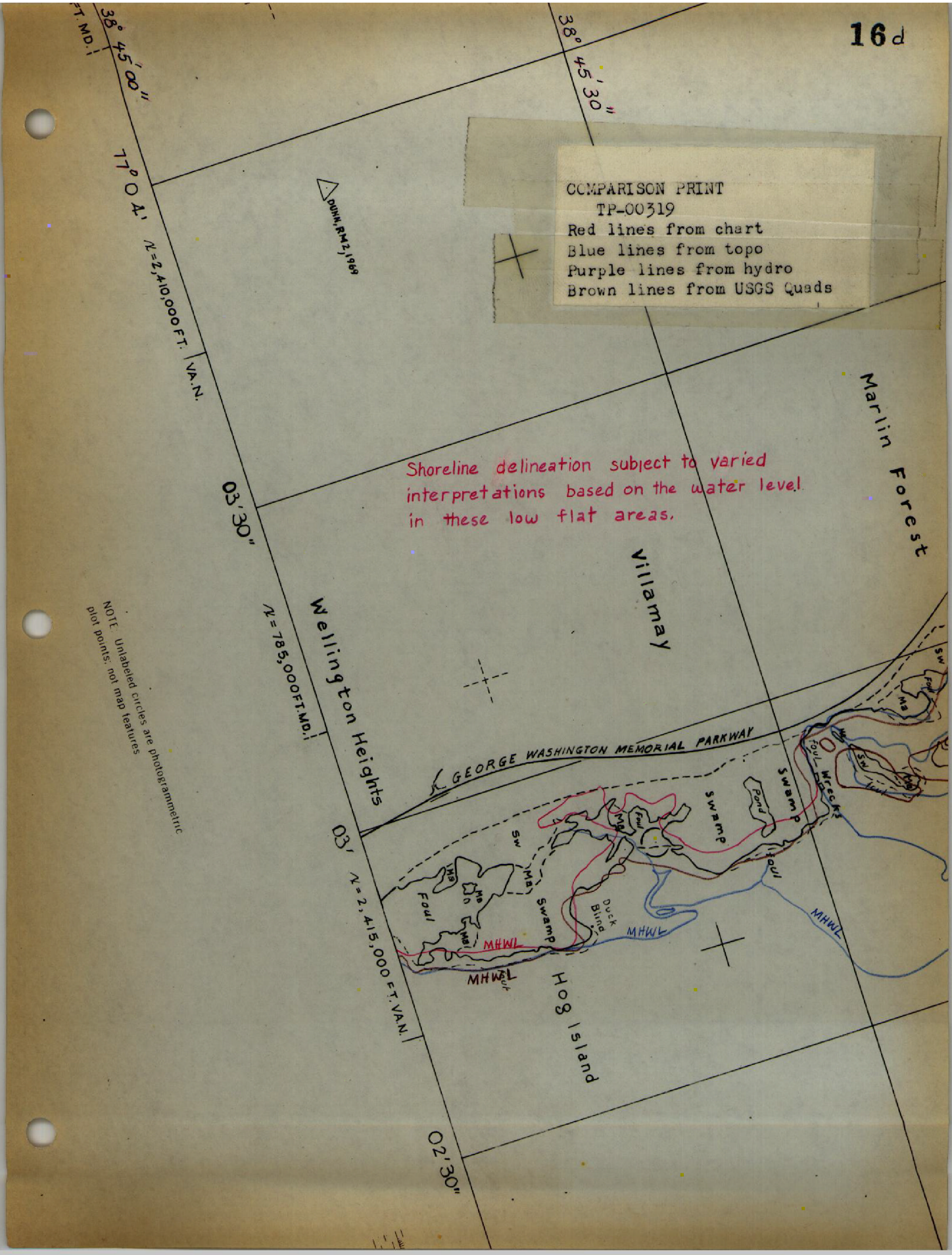
Chief, Coastal Mapping Div.

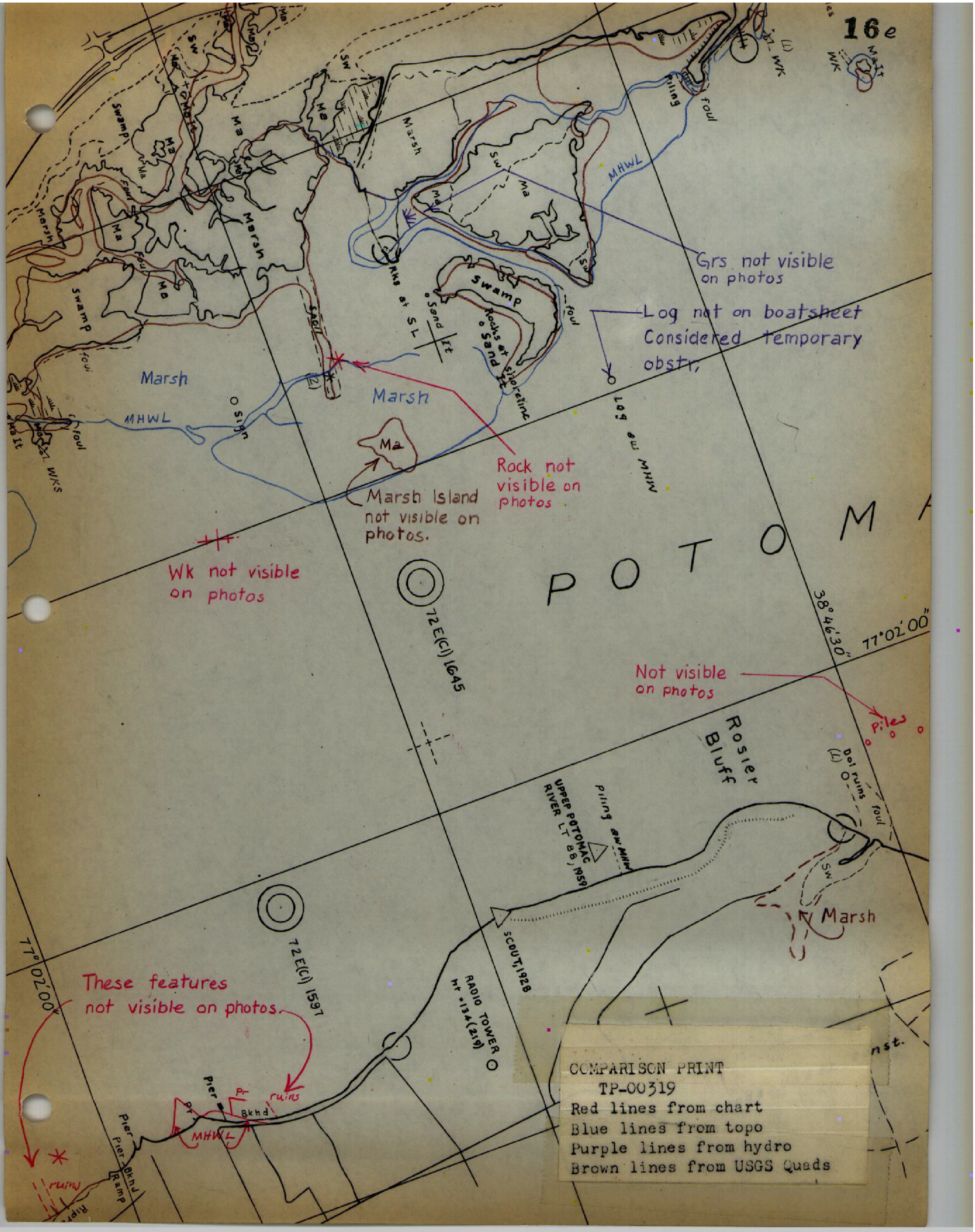

Wks not visible on photos
"location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."
Wrecked barges
WOODROW WILSON MEMORIAL BRIDGE
ROSALIE, 1958
Island
Island
WK approx Pos
Approx MHW
Foul
Road Under Const
Road Under Const
BELTWA
CAPITAL
Bulkhead
Riprap
Pier
Pile
Pier
Pile
Pile
DC-VA BOUNDARY WITNESS MARK NO 14 (VA), 1946
Bkhd Riprap
Jones Point
Piles not visible on photos.
Hydro. indicates many rocks exist this area. Not visible on photos
38° 47' 30"
Approx MHWL
S.L. differences are extensive Probably the result of construction.
Wrecks not visible on photos
Piles
Piles not visible on photos
72E(C)1598
Road Const
Trail
Trail
Approx MHWL
Approx MHWL
Approx MHWL
Trails
38° 47'
Wrecks
Road Under Const
WK
77° 02'
77° 01'
COMPARISON PRINT
TP-00319
Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quads

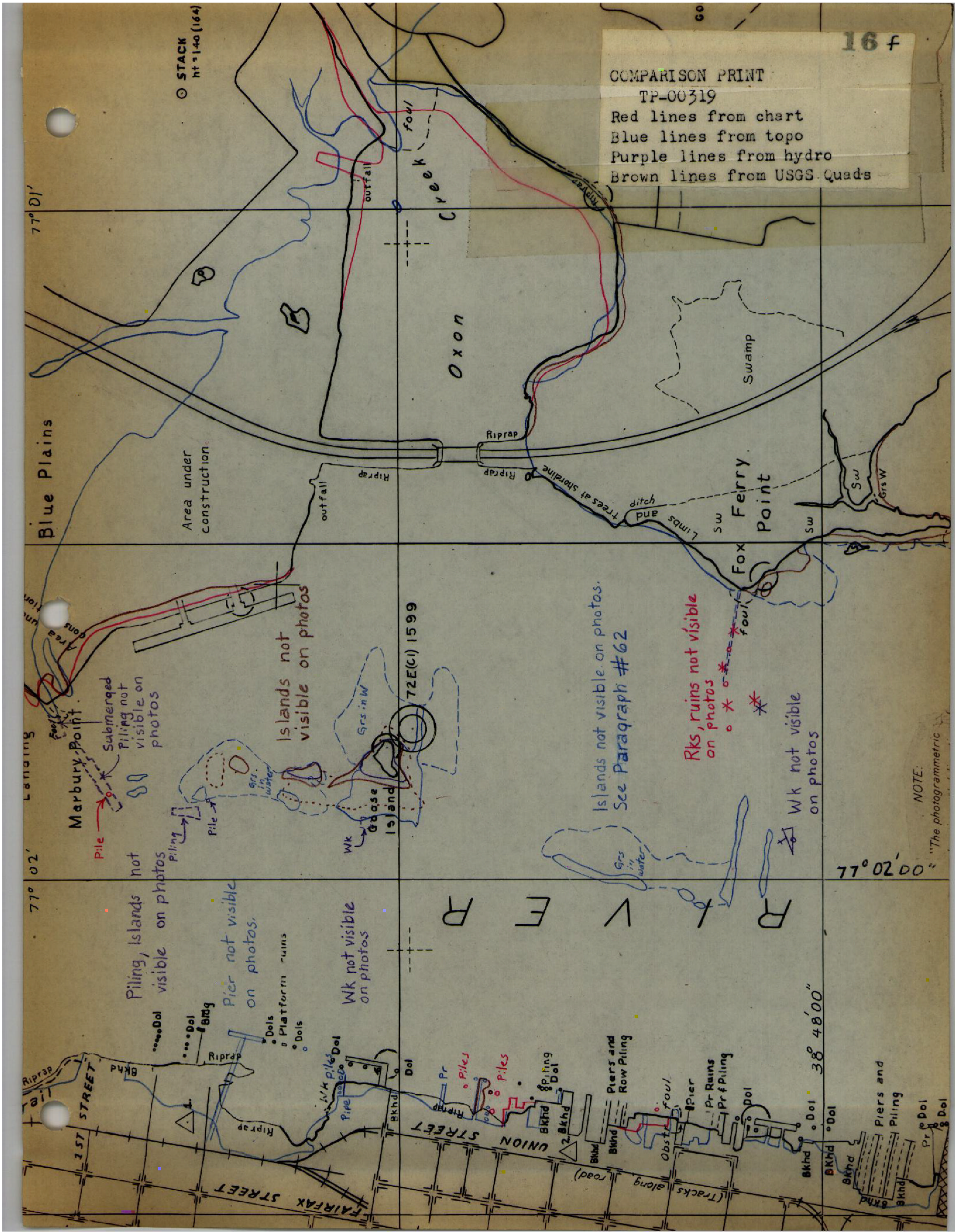


COMPARISON PRINT
TP-00319
Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quads

COMPARISON PRINT
TP-00319
Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quads


COMPARISON PRINT
TP-00319
Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quads
Shoreline delineation subject to varied interpretations based on the water level in these low flat areas.
38° 45' 00"
38° 45' 30"
77° 04'
DUNN, RM2, 1969
N=2,410,000 FT. VA.N.
03' 30"
N=785,000 FT. MD.
Wellington Heights
Villamay
Marlin Forest
GEORGE WASHINGTON MEMORIAL PARKWAY
03'
N=2,415,000 FT. VA.N.
Hog Island
Swamp
Duck Blind
Pond
Wreck
Foul
Sw
Ma
MHWL
02' 30"
NOTE: Unlabeled circles are photogrammetric plot points, not map features


Grs not visible on photos
Log not on boatsheet Considered temporary obstr.
Rock not visible on photos
Marsh Island not visible on photos.
Wk not visible on photos
Not visible on photos
These features not visible on photos.
Marsh
MHWL
Swamp
Rocks at SL
Sand Pt
Log ew MHW
Piling ew MHW
Rosier Bluff
Piles
Dol ruins
UPPER POTOMAC RIVER LT 88, 1959
SCOUT, 1928
RADIO TOWER Ht 134 (219)
72 E(C1) 1645
72 E(C1) 1597
38°46'30"
77°02'00"
POTOMA
Pier
Bkhd
Ramp
ruins
COMPARISON PRINT
TP-00319
Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quads



16 f

COMPARISON PRINT
TP-00319
Red lines from chart
Blue lines from topo
Purple lines from hydro
Brown lines from USGS Quads

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP 00319

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

CHART	DATE	CARTOGRAPHER	REMARKS
12285	9/77	Dick Killen	Full A ~~Part Before~~ After Verification Review Inspection Signed Via
(101)			Drawing No.
12289	2-1-79	Bill Wanless	Full A ~~Part Before~~ After Verification Review Inspection Signed Via
(560)			Drawing No.
~~12289~~			Full Part Before After Verification Review Inspection Signed Via
~~(560)~~			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.