

ORIGINAL

TP-00641

TP-00641

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. CM-7213 Map No. TP-00641

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Maryland

General Locality Gunpowder River

Locality Maxwell Point

19 72 TO 19 74

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, Virginia OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr., NOAA		SURVEY TP. <u>00641</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final (F.E.)</u> JOB <u>RM CM-7213</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, Virginia OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr., NOAA		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__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation Compilation Amendment I		2/26/73 10/09/73 1/28/74 11/08/72	
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 <u>Maryland</u> ZONE _____	
5. SCALE 1:10,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Stereoplanigraph</u> LANDMARKS AND AIDS BY		<u>J. Shad</u> <u>SCHAD</u>	<u>10/73</u>
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u>		<u>Allen</u> <u>Allen</u>	<u>10/73</u> <u>10/73</u>
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:15,000</u>		<u>Vanderhaven & Margiotta</u> <u>Shands & White</u> <u>NA</u> <u>NA</u>	<u>11/73</u> <u>11/73</u>
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth Draft</u> SCALE: <u>1:10,000</u>		<u>Vanderhaven & F.R. Gustafson</u> <u>C. H. Bishop</u> <u>NA</u> <u>NA</u> <u>NA</u> <u>NA</u>	<u>2/74</u> <u>2/74</u>
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		<u>C. H. Bishop</u>	<u>2/74</u>
6. APPLICATION OF FIELD EDIT DATA		<u>Charles Parker</u>	<u>9/74</u>
7. COMPILATION SECTION REVIEW		<u>R. R. White</u>	<u>11/74</u>
8. FINAL REVIEW		<u>A. L. Shands</u>	<u>5/77</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		<u>A. L. Shands</u>	<u>5/77</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		<u>F. R. WATTS</u>	<u>6/77</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION		<u>P. T. Carter</u>	<u>7/77</u>

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00641
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND X (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 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72L(CI)130 and 131	10/01/72	13:00	1:30,000	1.0 ft. above MLW	
72L(CI)100 thru 104	10/01/72	12:40	1:30,000	0.9 ft. above MLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photography.

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

None compiled.

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
None	None	TP-00643	TP-00640

REMARKS

TP-00641

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	L. F. VanScoy	
	M. C. Grunthal	11/72
2. HORIZONTAL CONTROL	M. D. Grunthal	11/72
RECOVERED BY	None	
ESTABLISHED BY		
PRE-MARKED OR IDENTIFIED BY	M. C. Grunthal	11/72
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	None	
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	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. ~~VERTICAL CONTROL IDENTIFIED~~

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(CI)099	EDGEWOOD, HARFORD MANOR, WATER TANK, 1958	72L(CI)101	PRIMARY TRAVERSE STATION NO. 39, 1918
72L(CI)101	EDGEWOOD ARSENAL, WATER TANK, SMALL, 1939		

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)

3 Form 152's, Control Station Identification

TP-00641

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. D. Black	8/21/74
2. HORIZONTAL CONTROL	R. D. Black	8/21/74
RECOVERED BY	R. D. Black	8/21/74
ESTABLISHED BY	None	
PRE-MARKED OR IDENTIFIED BY	NA	
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	R. D. Black	8/21/74
RECOVERED (Triangulation Stations) BY	R. D. Black	8/21/74
LOCATED (Field Methods) BY	R. D. Black	8/21/74
IDENTIFIED BY		
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	R. D. Black	8/21/74
CLARIFICATION OF DETAILS BY	NA	
7. BOUNDARIES AND LIMITS	NA	
SURVEYED OR IDENTIFIED BY		

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

72L(CI)129, 131, 101, 102, 104

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72L(CI)129	Silver Water Tanks (2)		
72L(CI)101	Silver Water Tank		
72L(CI)102	Bush River Light 5		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

NA

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

Pamphlet titled "Boater's Guide to Restricted Water Zone"; 7 copies of Form C&GS 526; 4 NOAA Form 76-40's; 1 Field Edit Report; 2 C&GS Form 526a's; 1 Field Edit Ozalid; 1 Film Ozalid with Field Edit Notes.

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00641
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.	2/74	Class III Manuscript	2/22/74	4/22/74
Field edit applied. Compilation complete.	9/74	Class I Manuscript	1/16/75	
Final Review	5/77		7/7/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1	2775	1/21/75	Landmark for charts.
1	2775	1/21/75	Nonfloating aid for charts.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: January 21, 19753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

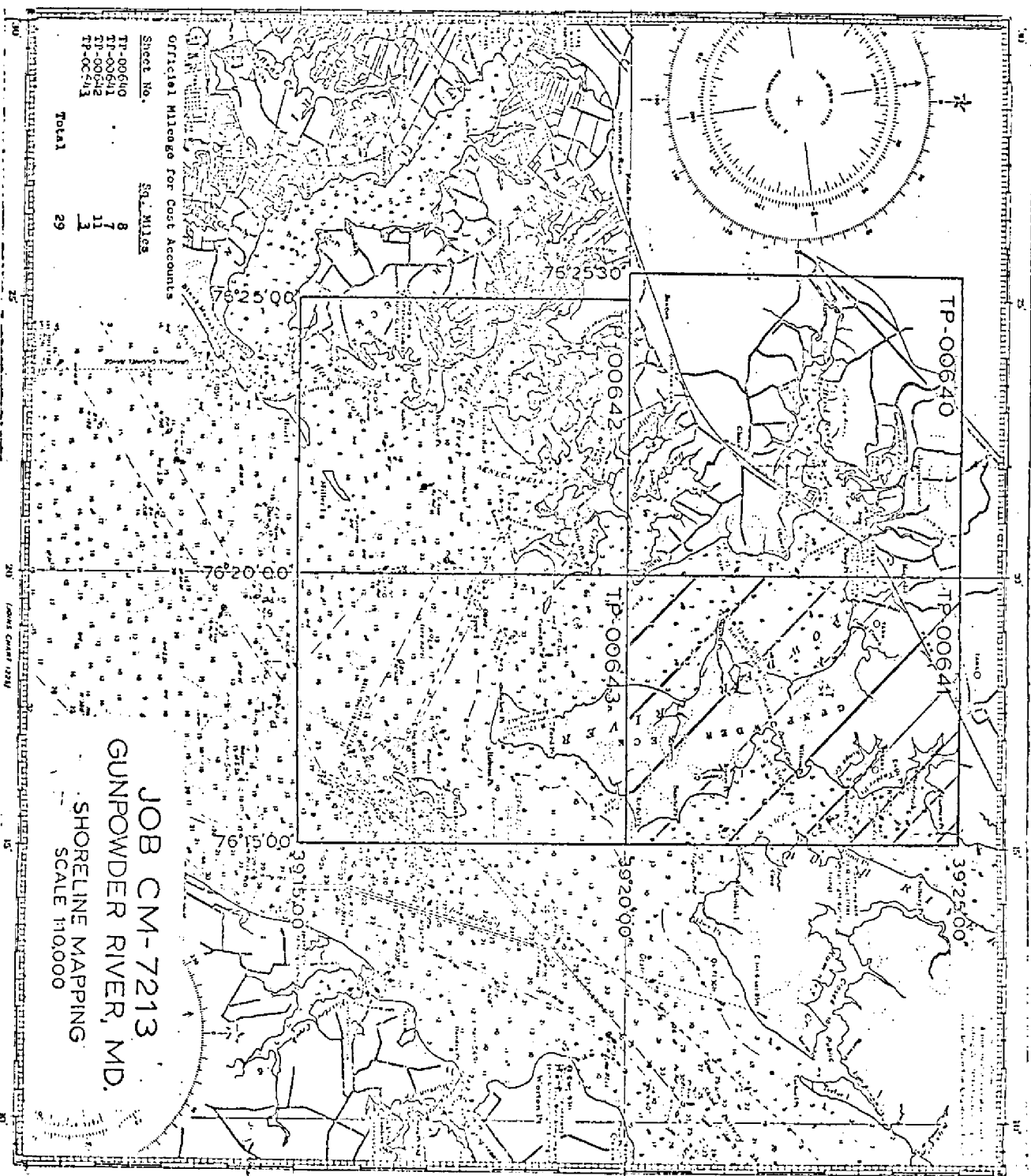
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ⁷⁶⁻⁴⁰ ~~362~~ SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS

TP-00640 through TP-00643

Project CM-7213 consists of four 1:10,000 scale maps covering the Gunpowder River, extending from Hawk Cove and Pooles Island at the southern end to Gunpowder Falls and Lauderick Creek at the northern end. The purpose was to provide support for the contemporary hydrographic operations in the area and to supply current shoreline for nautical chart construction.

Field work prior to compilation was limited to the recovery and identification of horizontal control for bridging purposes.

Compilation was done at the Atlantic Marine Center by Wild B-8 stereoplotter method, using 1:30,000 scale color infrared photography.

Field edit was accomplished in July and August 1974 and applied at AMC in September and October 1974.

Final review was done at AMC in May 1977.

The original stabelene base manuscripts were forwarded to the Rockville Office for reproduction and final registration.

FIELD INSPECTION

TP-00641

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the bridging.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7213
Gunpowder River, Maryland
2 October 1973

21. Area Covered

The area covered in this report extends from Hart Island to the head water of Gunpowder River. The area is covered by four 1:10,000 scale sheets, TP-00640 thru TP-00643.

22. Method

Three strips of 1:30,000 color infrared photography were bridged on the Zeiss C-8 stereoplanograph and adjusted by the IBM computer. The three strips were used to obtain passpoint positions for the models and to determine the scale ratio for the strips.

Strip #1 (72L(c) infrared 144 thru 153) was adjusted on seven field-identified horizontal stations and three horizontal tie stations of strip 72L(c) 126 thru 133. Six field-identified horizontal stations and two horizontal tie stations were used as checks. Difficulty in adjusting the strip occurred from photo 72L(c) 144 thru 146 where photo coverage was weak (less than one-half of the models were set on the Zeiss C-8).

Strip #2 (72L(c) 099 thru 105 infrared) was adjusted on six field-identified horizontal stations and one horizontal tie station. Six field identified stations and four horizontal tie stations were used as checks. Photo 72L(c) 106 is to be compiled on three field identified positions: (1) Ricketts (temp) A & B; (2) Pooles Island Light House, 1843, r. 1961; (3) Donna (temp) A & B.

Strip #3 (72L(c) 126 thru 133 infrared) was adjusted on five field-identified horizontal stations and eight field-identified horizontal stations were used as checks.

Data for ruling the projections were furnished to the Coradomat to be plotted on the Maryland State Plane Coordinate System.

23. Adequacy of Control

Horizontal control complied with project instructions and held within the National Map Accuracy Standard.

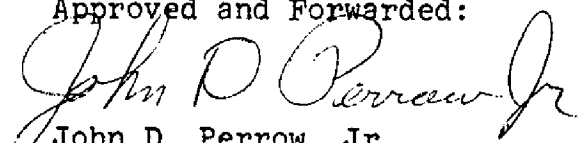
24. Supplemental Data

All vertical control needed for adjustment was taken from USGS quadrangles and approximate mean sea level. The vertical control data obtained by bridging are not necessarily true values.

25. Photography

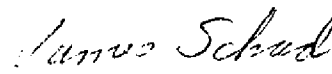
Photography was adequate as to overlap, definition, and coverage.

Approved and Forwarded:



John D. Perrow, Jr.
Chief, Aerotriangulation Section

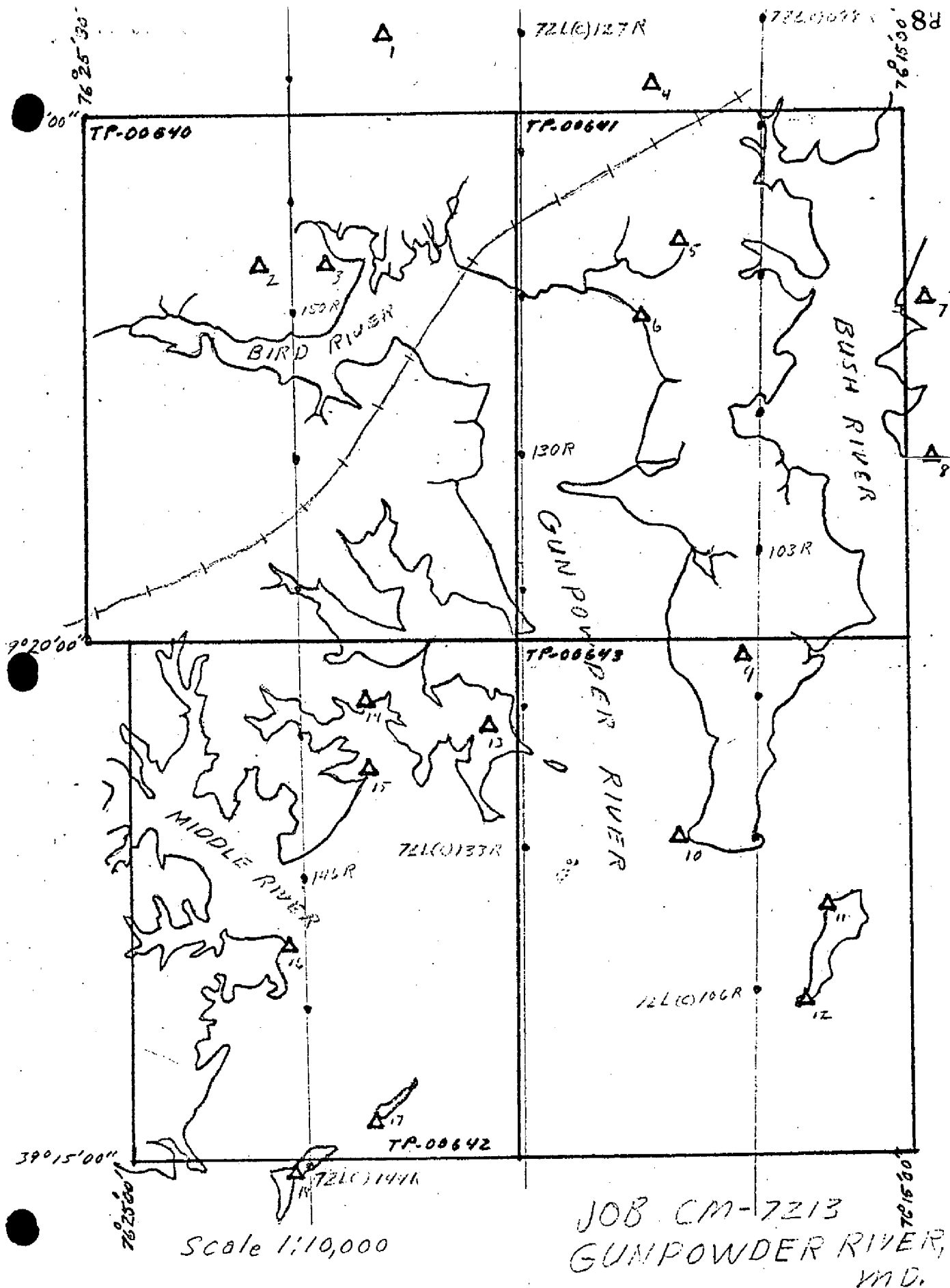
Submitted by:



James Schad
Cartographer

NOTES TO COMPILER

Model 72L(c) 105-106 must be set and compiled from field identified positions. Model was set and compiled on Map TP-00643.



Job CM-7213

Gunpowder River, Maryland

1. BUS 2, 1971
2. RED-ROOFED HOUSE, NE GABLE CHIMNEY, 1939
3. WHITE SILO, 1939
4. EDGEWOOD, HARTFORD MANOR WATER TANK, 1958
5. EDGEWOOD ARSENAL WATER TANK, SMALL, 1939
6. PRIMARY TRAVERSE STATION NO. 39 (USGS), 1918
7. C TOWER, 1945
8. H TOWER, 1949
9. GUNPOWDER, 1949
10. RICKETTS (Temp), 1972
11. POOLES ISLAND LIGHTHOUSE, 1842
12. DONNA (Temp), 1972
13. CARROLL ISLAND TOWER, 1956
14. BALTIMORE GAS AND ELECTRIC COMPANY
CRANE STATION, STACK, 1961
15. CHERYL (Temp), 1972
16. BOOBY (Temp), 1972
17. CROW, RMI (Temp), 1972
18. EMIL (Temp), 1972

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS	
			TP-00641	CM-7213		STATE	ZONE	NA	1927		ϕ	λ
	EDGEWOOD ARSENAL, WATER TANK, SMALL, 1939	G.P. G5942 P. 414				X=		ϕ	39 23 49.666		1531.6	(318.7)
						Y=		λ	76 17 54.196		1296.8	(138.9)
	PRIMARY TRAVERSE STATION NO. 39 (USGS), 1918	G.P. G5942 P. 412				X=		ϕ	39 23 01.699		52.4	(1797.9)
						Y=		λ	76 18 19.868		475.5	(960.5)
	MAXWELL POINT 3, 1935	G.P. G5942 P. 411				X=		ϕ	39 21 24.877		767.2	(1083.1)
						Y=		λ	76 19 22.408		536.5	(900.0)
	REMBOLT'S HOUSE, EAST, CHIMNEY, 1896	G.P. G6122 P. 477				X=		ϕ	39 23 14.91		459.8	(1390.5)
						Y=		λ	76 18 23.42		560.5	(875.4)
	BA 13 18, 1957	QUAD 390762 STA. 1050				X=		ϕ	39 24 57.1098		1761.2	(89.1)
						Y=		λ	76 16 21.1152		505.1	(930.2)
	FORT HOYLE LAUNDRY STACK, 1939	G.P. Vol I P. 413				X=		ϕ	39 23 19.357		597.0	(1253.4)
						Y=		λ	76 18 09.708		232.3	(1200.2)
						X=		ϕ				
						Y=		λ				
						X=		ϕ				
						Y=		λ				
						X=		ϕ				
						Y=		λ				
						X=		ϕ				
						Y=		λ				
COMPUTED BY	G. R. Vanderhaven									COMPUTATION CHECKED BY	F. R. Gustafson	DATE 10/25/73
LISTED BY										LISTING CHECKED BY		DATE
HAND PLOTTING BY										HAND PLOTTING CHECKED BY		DATE

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

COMPILATION REPORT

TP-00641

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color infrared photography. Definition and coverage was adequate.

32. CONTROL:

See the attached Photogrammetric Plot Report dated October 2, 1973.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and all alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

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 the attached Form 76-36B, Item #5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangles GUNPOWDER NECK, MD., scale 1:24,000, dated 1949, photo-revised 1970; and EDGEWOOD, MD., scale 1:24,000, dated 1951, photorevised 1970.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Charts 1226, scale 1:80,000, dated August 4, 1973; 572-SC, scale 1:40,000, dated December 8, 1973; and 12273, scale 1:80,000, dated August 10, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

A. L. Shanks
for

Gary R. Vanderhaven
Cartographer
February 15, 1974

Approved for forwarding:

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

GEOGRAPHIC NAMES


FINAL NAME SHEET

CM-7213 (Gunpowder River, Md.)

TP-00641

✓ Barren Point	✓ Kings Creek
✓ Battery Point	✓ Lauderick Creek
✓ Beach Point	✓ Lego Point
✓ Boone Creek	✓ Maxwell Point
✓ Briery Point	✓ Pond Point
✓ Bush Point	✓ Reardon Inlet
✓ Bush River	✓ Redman Cove
✓ Canal Creek	✓ Rock Jetty
✓ Cooper Creek	✓ Sandy Point
✓ Doves Cove	✓ Swaderick Creek
✓ Eagle Point	✓ Tapler Point
✓ Fairview Point	✓ Towner Cove
✓ Gunpowder Neck	✓ Watson Creek
✓ Gunpowder River	✓ Wright Creek
✓ Hog Point	Wilson Point ^{CEH}

Approved by:


Charles E. Harrington, C51x2
Staff Geographer

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00641			
1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) CHB		7. PHOTO HYDRO STATIONS None
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE None	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
16. AIDS TO NAVIGATION RW	17. LANDMARKS RW	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES CHB
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS CHB
40. REVIEWER <i>Charles H. Bishop</i> Charles H. Bishop 2/20/74		SUPERVISOR, REVIEW SECTION, OR UNIT <i>Albert C. Rauck, Jr.</i> Albert 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 C. Parker <i>A. L. Shanks</i> 9/74		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
Reviewed R. White <i>R. White</i> 11/74			
43. REMARKS			

FIELD EDIT REPORT

TP-00641

Maxwell Pt., Maryland
CM-721351. METHODS

All work was done in accordance with Provisional Photogrammetry Instructions-Field Edit Surveys, current photo instructions, and Project Instructions OPR-510-AHP-74, Gunpowder River, Md. dated December 14, 1973.

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

Brief 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. Consult the latest hydrographic survey for more complete information.

Most of the field edit inspection was accomplished by boat. Features were located by either sextant fixes or photo identification. Landmarks and aids to navigation were located either by photo identification or control survey methods.

52. ADEQUACY OF COMPILATION

Compilation of Shoreline and alongshore features was generally adequate, except as noted below. Compilation will be complete when field edit notes are applied.

A majority of the land and water area of this sheet is part of the U.S. Army Aberdeen Proving Ground. Land access in general is blocked to the public, and navigation in these waters is restricted. Refer to the pamphlet titled "Boater's Guide to Restricted Water Zone" included with the field edit data.

Rock piles were compiled as islets at lat. $39^{\circ} 22.2'$; lon. $76^{\circ} 15.0'$ and lat. $39^{\circ} 20.2'$; lon. $76^{\circ} 15.2'$. They are to be re-compiled as rocks, and considered hazardous to navigation.

The bulkhead along the shoreline from lat. $39^{\circ} 22.9'$; lon. $76^{\circ} 18.2'$ to lat. $39^{\circ} 23.3'$; lon. $76^{\circ} 19.0'$ was not compiled.

54. RECOMMENDATIONS

Careful examination of the strip of land between the edge of a marsh and the mean high water line will often reveal sand areas or strips. These should be noted as such on future manuscripts.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

Two nonfloating aids to navigation are recommended for charting. They are Maxwell Point Light and Bush River Light 5.

Four water tanks are recommended as landmarks, including one triangulation station, EDGEWOOD, HARFORD MANOR, WATER TANK, 1958. A steel frame tower, the east of two, on Gunpowder Neck is recommended as a landmark. Three U.S. Army observation towers are recommended as landmarks on charts of 40,000 scale or larger.

Forms 76-40 have been completed for the above.

58. FIELD EDITORS

Field edit was performed by Lt. (jg) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61 from June through August, 1974.

Respectfully Submitted,

Richard D. Black

Richard D. Black
Lt.(jg) NOAA
Chief, Photo Party 61
25 August, 1974

orig. to charts
11/4/75

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED				REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div. Norfolk, Va.		STATE Maryland		LOCALITY Gunpowder River		DATE Sept. 1974	
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS. OPR PROJECT NO. 510				JOB NUMBER CM-7213		SURVEY NUMBER TP-00641		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)	
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		LONGITUDE		OFFICE	FIELD	CHARTS AFFECTED			
		° / ' "	D.M. Meters	° / ' "	D.P. Meters						
TOWER	East of two, steel, ht. 167 (175) <i>(L-27/75) Source</i>	39-21	23.10 712	76-18	04.14 99	72L(C) 131(I) 10-01-72	F-3-6-L 7-8-74	1226 572			
TANK	ht. = 140 (164) <i>(L-27/75)</i>	39-23	13.94 430	76-17	54.53 1305	72L(C) 129(I) 10-01-72	P-5 7-25-74 72L129	1226 <i>572</i>			
TOWER	Observation Tower, ht. = 30 (33) <i>(L-27/75)</i>	39-22	36.79 1135	76-15	15.95 382	72L(C) 102(I) 10-01-72	P-5 8-13-74	1226 572SC			
TOWER	Observation Tower, ht. = 31 (40) <i>(L-27/75)</i>	39-22	36.60 1129	76-16	20.37 488	72L(C) 102(I) 10-01-72	P-5 8-13-74	1226 572SC			
TOWER	Observation Tower, ht. = 31 (36) <i>(L-27/75)</i>	39-22	00.82 25	76-15	12.25 293	72L(C) 131(I) 10-01-72	P-5 8-13-74	1226 572SC			
TANK	(Edgewood, Harford Manor Water Tank, 1958) ht. = 140 (260) <i>(Tri List '74)</i>	39-25	15.675 483.4	76-18	13.001 311.0	72L(C) 128(I) 10-01-72	Triang. Rec. 8-21-74	1226 572SC			
TANK	ht. = 123 (148) <i>(L-27/75)</i>	39-23	44.78 1381	76-19	08.40 201	72L(C) 129(I) 10-01-72	V-Vis. 8-7-74	1226			
TANK	ht. = 137 (157) <i>(L-27/75)</i>	39-23	44.62 1376	76-16	27.50 658	72L(C) 100(I) 10-01-72	V-Vis. 8-15-74	1226 572SC			
* station north of project. ** Two towers appear identical on photos. Recommend "Twin Towers" as Charting name.											
A.L. Shands, Final Reviewer 5/10/77								14a			

[illegible]

REVIEW REPORT

TP-00641

SHORELINE

May 10, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report.

The field editor states that the grass in water in the vicinity of Sandy Point is not hazardous to navigation. Therefore, no grass in water is symbolized there on the map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-11944 and T-11945, each 1:10,000 scale, dated August 1962 and September 1962, respectively. T-11942, which covers the area from Long. $76^{\circ} 15' 00''$ W to $76^{\circ} 18' 45''$ W and from Lat. $39^{\circ} 22' 30''$ N to $39^{\circ} 25' 00''$ N, was not available at AMC during final review.

A note on T-11945 warns that the area between Bush Point and Towner Cove "is weak in position." The shoreline and other details in this area do not match well with those delineated on TP-00641.

In the area compared, TP-00641 supersedes the above mentioned surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangles GUNPOWDER NECK, MARYLAND, dated 1949, photorevised 1970; and EDGEWOOD, MARYLAND, dated 1951, photorevised 1970; each 1:24,000 scale.

Three rocks shown at Briery Point and one at Fairview Point are not visible on the photography. The field editor states that, after a search of these areas, none were found. Also, piling shown north of Wilson Point and a duck blind at Pond Point are not visible on the photographs. No mention of these features was made by the field editor.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with H-9453 (AHP 10-3-74) and H-9454 (AHP 10-4-74). These surveys cover the Gunpowder River area only and are the only contemporary hydrographic surveys of the area. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 12274, 1:40,000 scale, 15th edition, dated November 25, 1976. Rocks charted at Briery Point and Fairview Point are not visible on the photographs. See Paragraph 63 above. Two wrecks and some stakes charted in the Bush River, as well as a pile and submerged snag charted at Hog Point, are not visible on the photography. The fish trap nets located just north of Swaderick Creek are depicted on the chart with a dashed line enclosing a green shaded area. An unlabeled dashed line is charted immediately north of the mouth of Cooper Creek. There are no discernable images on the photos in this water area. The grass in water shown on the chart is visible on the photographs, but the field editor has stated that it poses no danger to navigation. It, therefore, is not shown on this map. There are two identical towers visible on the photos east of Maxwell Point. The easterly of the two was recommended as a landmark. It is recommended that the charting name be changed to "TWIN TOWERS (easterly of two)."

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

A. L. Shands

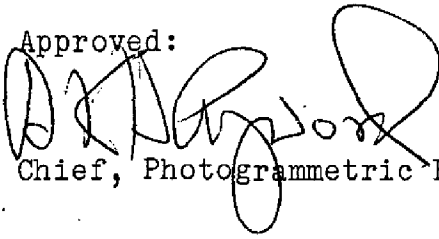
A. L. Shands
Final Reviewer

Approved for forwarding:

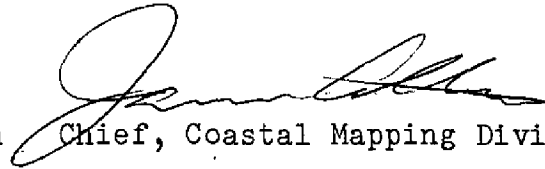
Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

NOAA FORM 61-29 (12-71)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		REFERENCE NO. <div style="text-align: center; font-size: 1.2em;">94-PH-77</div>			
LETTER TRANSMITTING DATA				DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):			
TO: <div style="margin-top: 20px; text-align: center;"> NOAA NATIONAL OCEAN SURVEY ATTN: <u>03/24</u> 6001 EXECUTIVE BOULEVARD ROCKVILLE, MD 20852 </div>				<input type="checkbox"/> ORDINARY MAIL		<input type="checkbox"/> AIR MAIL	
				<input checked="" type="checkbox"/> REGISTERED MAIL		<input type="checkbox"/> EXPRESS	
				<input type="checkbox"/> GRL (Give number) _____			
DATE FORWARDED				May 25, 1977			
NUMBER OF PACKAGES				two (2)			
NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.							
CM-7213 GUNPOWDER RIVER, MD							
Field sketches, computations and general notes of horizontal control recovered, identified and established for bridging.							
<ul style="list-style-type: none"> ✓ 1 Form 25, Computation of Triangles ✓ 2 Form 738's, Traverse Computations ✓ 1 Form 76-72, List of Directions ✓ 1 Form 382, Reduction to Center ✓ 1 copy (2 pages) of Computer Printout ✓ 7 copies Form 164, Descriptive Report Control Record ✓ 18 Form 152's, Control Station Identification ✓ 13 Form 76-40's, Nonfloating Aids or Landmarks 1 each Matte Ratio Print for 72L(CI)101 through 106, 129 through 131, 144 through 148, and 150; with Field Edit Notes ✓ 1 each Matte Ratio Print for 72L(CI)099, 101, 103, 106, 144, 145, 147, 151, 153 and 178; with identified Horizontal Control ✓ 1 each Contact Print and Film Diapositive for 72L(CI)099 through 106, 126 through 133, and 144 through 153 ✓ Processed Cronapaque Ratios 72L(CI)150 and 151 							
FROM: (Signature) <i>A. L. Shands</i> A. L. Shands for Director, AMO				RECEIVED THE ABOVE (Name, Division, Date)			
Return receipted copy to:							
ATLANTIC MARINE CENTER ATTN: <u>Mr. Shands, 052x1</u> 439 WEST YORK STREET NORFOLK, VA 23510							

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-0064

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.

2100 4220