

ORIGINAL

TP-00640

TP-00640

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-00640
Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Maryland
General Locality Gunpowder River
Locality Dundee Creek

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, VA		SURVEY TP. <u>00640</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final (F.E.)</u> JOB <u>CM-7213</u>	
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		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 10/0.9/73 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 BY METHOD: Stereoplanigraph LANDMARKS AND AIDS BY		J. Schad	10/73
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		Allen Allen	10/73 10/73
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		F. P. Margiotta R. R. White NA NA	11/73 11/73
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Drafted CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		R. R. White C. H. Bishop NA NA NA NA	12/73 2/74
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. H. Bishop	2/74
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		C. Blood R. R. White	10/74 11/74
7. COMPILATION SECTION REVIEW BY		R. R. White	11/74
8. FINAL REVIEW BY		A. L. Shands	5/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. Shands	5/77
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		F. R. WATTS	6/77
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. T. Cator	7/77

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
TP-00640 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)128 thru 131	10/01/72	13:00	1:30,000	1.0 ft. above MLW	
72L(CI)148 thru 152	10/01/72	13:09	1:30,000	1.0 ft. above MLW	
REMARKS					
2. SOURCE OF MEAN HIGH-WATER LINE:					
The mean high water line was compiled from the above listed photographs.					
3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:					
None compiled.					
4. CONTEMPORARY HYDROGRAPHIC SURVEYS <i>(List only those surveys that are sources for photogrammetric survey information.)</i>					
SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
5. FINAL JUNCTIONS					
NORTH	EAST	SOUTH	WEST		
No Survey	TP-00641	TP-00642	No Survey		
REMARKS					

TP-00640
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. D. Black	8/30/74
2. HORIZONTAL CONTROL	RECOVERED BY	R. D. Black
	ESTABLISHED BY	8/30/74
	PRE-MARKED OR IDENTIFIED BY	R. D. Black
3. VERTICAL CONTROL	None	8/30/74
	RECOVERED BY	NA
	ESTABLISHED BY	NA
4. LANDMARKS AND AIDS TO NAVIGATION	PRE-MARKED OR IDENTIFIED BY	NA
	RECOVERED (Triangulation Stations) BY	None
	LOCATED (Field Methods) BY	R. D. Black
5. GEOGRAPHIC NAMES INVESTIGATION	IDENTIFIED BY	8/30/74
	TYPE OF INVESTIGATION	None
	<input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. D. Black
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	8/30/74
	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)

72L(CI)150, 148, 128, 129, 130

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72L(CI)128	Water Tank		

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

7. SUPPLEMENTAL MAPS AND PLANS

1:4,000 scale sketch of Joppatowne, on mylar base

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

9 Form C&GS 526's

1 Form NOAA 76-40

1 Field Edit Report

Field Edit Ozalid and Film Ozalid containing Field Edit

TP-00640
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	E. Homick	11/72
2. HORIZONTAL CONTROL	RECOVERED BY M. C. Grunthal	11/72
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY M. C. Grunthal	11/72
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 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
72L(CI)151	WHITE SILO, 1939		
72L(CI)151	CHIMNEY, NORTHEAST GABLE, RED ROOFED HOUSE, 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)

2 Form 152's, Control Station Identification

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00640
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.	12/73	Class III Manuscript	2/22/74	4/22/74
Compilation complete. Field Edit applied.	10/74	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.

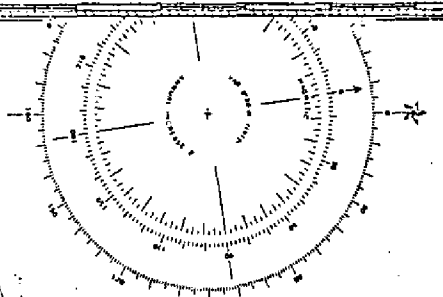
2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: January 21, 1975
 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ⁷⁶⁻⁴⁰~~567~~ SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:
 4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

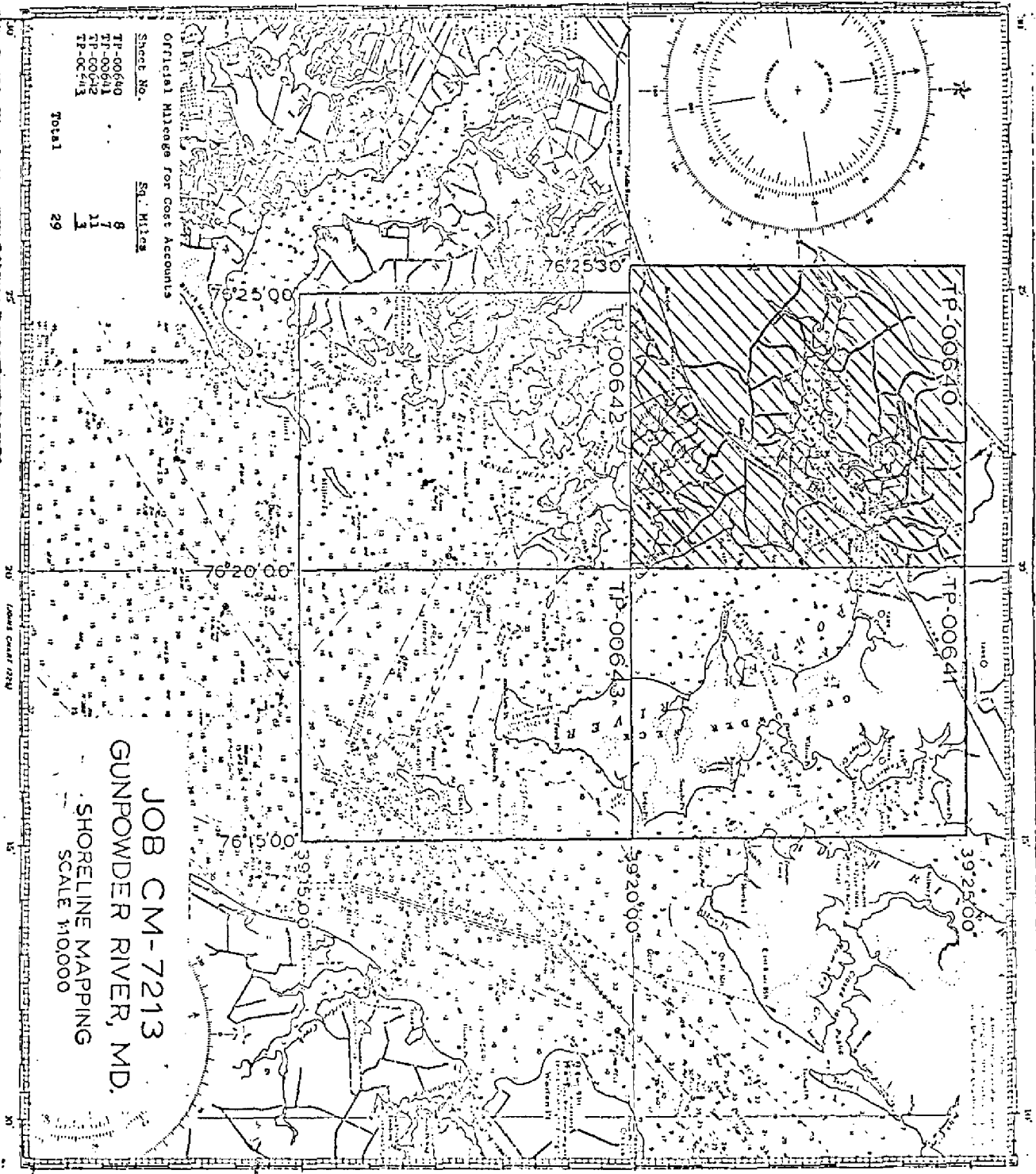
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL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



Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00640	8
TP-00641	7
TP-00642	11
TP-00643	3
Total	29

JOB CM-7213
GUNPOWDER RIVER, MD.
SHORELINE MAPPING
SCALE 1:10,000



1:10,000 Coast 1929

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-00640

There was no field inspection. Field work accomplished prior to compilation 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.

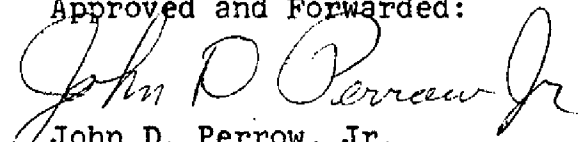
24. Supplemental Data

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

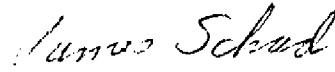
Photography was adequate as to overlap, definition, and coverage.

Approved and Forwarded:



John D. Perrow, Jr.
Chief, Aerotriangulation Section

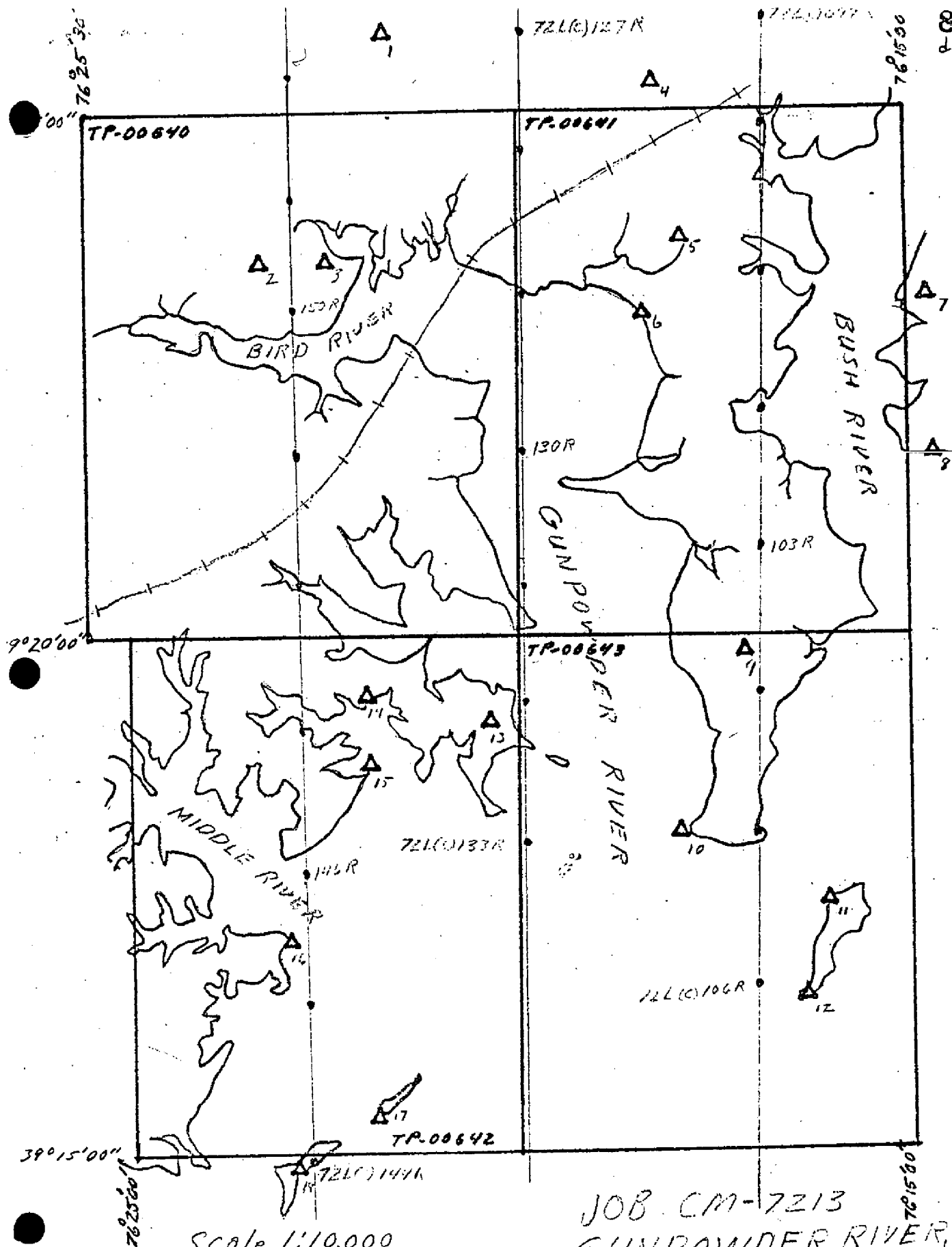
Submitted by:



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.	TP-00640	JOB NO.	CM-7213	GEODETIC DATUM	NA 1927	ORIGINATING ACTIVITY Coastal Mapping Division, AMC, Norfolk, Virginia		REMARKS FORWARD BACK			
STATION NAME		SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		LATITUDE			
				STATE	ZONE	φ	λ	LONGITUDE			
WALL, 1939		G.P. G5942 P. 412		X=		φ	39	23	17.782	548.4	(1301.9)
				Y=		λ	76	20	00.790	18.9	(1417.0)
POWDER, 1939		G.P. G5942 P. 412		X=		φ	39	23	30.461	939.4	(910.9)
				Y=		λ	76	20	40.317	964.8	(471.0)
SILO, WHITE, 1939		G.P. G5942 P. 412		X=		φ	39	23	39.889	1230.1	(620.2)
				Y=		λ	76	22	25.244	604.1	(831.6)
RED-ROOFED HOUSE, NORTHEAST GABLE, CHIMNEY, 1939		G.P. G5942 P. 413		X=		φ	39	23	36.905	1138.1	(712.2)
				Y=		λ	76	23	18.463	441.8	(994.0)
PENNSYLVANIA RAILROAD DRAWBRIDGE OVER GUNPOWDER RIVER, CABLE SUPPORT, SOUTHEAST CORNER, 1939		G.P. G5942 P. 413		X=		φ	39	23	20.278	625.4	(1224.9)
				Y=		λ	76	20	48.796	1167.7	(268.2)
PETRY'S HOUSE, WEST CHIMNEY, 1898		G.P. G6122 P. 477		X=		φ	39	22	24.86	766.7	(1083.6)
				Y=		λ	76	20	44.85	1073.6	(362.6)
GRACES QUARTER 3, 1933		G.P. G2579 P. 25		X=		φ	39	20	48.858	1506.7	(343.6)
				Y=		λ	76	20	18.014	431.5	(1005.4)
WISE, 1939		G.P. G5942 P. 411		X=		φ	39	21	40.699	1255.1	(595.2)
				Y=		λ	76	20	25.706	615.4	(821.0)
				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			

COMPILATION REPORT

TP-00640

31. DELINEATION:

Delineation was by the Wild B78 stereoplotter, using 1:30,000 scale color infrared photography. Coverage and definition were 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 from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details and the mean high water line 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 confirmation.

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 the USGS Quadrangles GUNPOWDER NECK, MD., 1949, photorevised 1970; MIDDLE RIVER, MD., 1969; WHITE MARSH, MD., 1951, photorevised 1966; and EDGEWOOD, MD., 1951, photorevised 1970; all at 1:24,000 scale.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart 1226, scale 1:80,000, 23rd edition, dated August 4, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Richard R. White

Richard R. White
Cartographic Technician
December 28, 1973

Approved for forwarding:

Albert C. Rauck, Jr.

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

GEOGRAPHIC NAMES

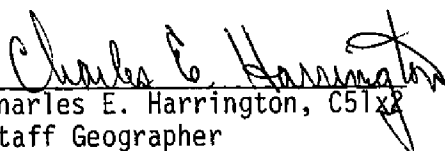
FINAL NAME SHEET

CM-7213 (Gunpowder River, Md.)

TP-00640

✓ Baltimore & Ohio (RR)	✓ Harewood Park
✓ Bengies Point	✓ Iron Point
✓ Bird River	✓ Joppatowne
✓ Cunningham Cove	✓ Little Gunpowder Falls
✓ Days Cove	✓ Marshy Point
✓ Days Island	✓ Oliver Point
✓ Dundee Creek	✓ Penn Central (RR)
✓ Foster Branch	✓ Piney Point
✓ Frog Mortar Creek	✓ Railroad Creek
✓ Graces Quarters	✓ Saltpeter Creek
✓ Gunpowder Falls	✓ Sandy Point
✓ Gunpowder River	✓ West Twin River
✓ Harewood	✓ Windlass Run

Approved by:


Charles E. Harrington, C51xp
Staff Geographer

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00640			
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 None	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 NA		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 Charles H. Bishop C. H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. 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. Blood C. Blood 10/04/74		SUPERVISOR Albert C. Rauck, Jr. Albert C. Rauck, Jr.	
Reviewed R. White R. White 11/22/74			
43. REMARKS			

TP-00640

Dundee Creek, 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.

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

All field edit for the Joppatown area (lat. $39^{\circ} 24.5'$, lon. $76^{\circ} 21.5'$) was accomplished on a special 1:4,000 scale sketch of Joppatown on mylar plastic. Numerous new piers and piling are shown on this sketch.

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.

The overhead draw bridge shown at lat. $39^{\circ} 22.9'$, lon. $76^{\circ} 21.1'$ is not there. This draw is located on the other end of the bridge, as noted, and is not functional (it is welded shut). The bridge should be shown as a fixed bridge with no mention of a draw.

Much of the shoreline on this sheet was not compiled as bulkhead (probably due to shadow areas). All bulkheads to be compiled are referenced on the field edit ozalid. Unless otherwise noted, the mean high water line is adjacent to the bulkhead, which coincides with the originally compiled mean high water line. A new set of wood jetties protrude along the shoreline at lat. $39^{\circ} 21.7'$, lon. $76^{\circ} 20.4'$. These are shown on the film ozalid.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

Two towers and one water tank are recommended as landmarks. The red and white microwave tower is especially prominent and should be shown on even the smallest scale charts. The water tank is of value only in the Joppatown area.

Forms 76-40 have been completed on these landmarks.

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

REVIEW REPORT

TP-00640

SHORELINE

May 2, 1977

61. GENERAL STATEMENT:

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

Although the compilation office was advised in the Project Instructions that no photo-hydro support data would be needed, several ratios covering the Bird River 72L(CI) 149 - 1517 were processed and used for that purpose.

The field editor made several references to the hydrographic boatsheet for the resolution of field edit items. The hydrographic boatsheet is not made available to the compilation office. One foul area at the mouth of Foster Branch was stated to be shown on the hydrographic boatsheet. However, it is not shown on the final verified smoothsheet of the area. Another foul area just south of Days Cove is shown on the final verified smoothsheet, but the limits of the area are smaller than the photographs reveal them to be.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparisons were made with copies of T-11943 and T-11944, each 1:10,000 scale, dated 1962. These are incomplete shoreline maps. T-11940 and T-11941, which cover the area of TP-00640 from Lat. $39^{\circ} 22' 30''$ northward, were not available at AMC during final review.

The difference noted in the shoreline at Lat. $39^{\circ} 21.8'$, Long. $76^{\circ} 20.4'$ is probably due to the construction of groins in that area. Two duck blinds at Lat. $39^{\circ} 21.8'$, Long. $76^{\circ} 20.4'$ and Lat. $39^{\circ} 21.6'$, Long. $76^{\circ} 20.4'$ are not visible on the photographs. Vast areas of "grass in water" are visible on the photographs but, according to a note on the field edit ozalid, are not a hazard to navigation. Thus, they are not shown on this map. TP-00640 supersedes all earlier compilation for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangles MIDDLE RIVER, WHITE MARSH, GUNPOWDER NECK and EDGEWOOD, MARYLAND, each 1:24,000 scale and dated 1969, 1951 photorevised 1966, 1949 photorevised 1970, and 1951 photorevised 1970, respectively.

Several small marsh islets mapped at the junction of Gunpowder River and Bird River are not visible on the photographs.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparisons have been made with copies of Verified Smoothsheets H-9453 (AHP 10-3-74) and H-9454 (AHP 10-4-74).

A 3-foot sounding at Lat. $39^{\circ} 23.7'$, Long. $76^{\circ} 20.9'$ appears to be plotted in error. Photographs show a small spoil area to be in that position. A small channel immediately north of that position is where this reviewer believes the sounding should be.

Several stakes and snags plotted on the hydro survey are not visible on the photographs and could not be verified photogrammetrically.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Charts 12273, 1:80,000 scale, 29th edition, dated September 4, 1976; and 12274, 1:40,000 scale, 15th edition, dated November 27, 1976.

Several snags and stakes charted in Saltpeter Creek, Bird River and Gunpowder River are not visible on the photographs and are not shown on TP-00640.

Several privately maintained fixed aids have apparently been established in the Gunpowder River marking the entrance to the small boat harbor at Joppatowne. These aids were not in place during compilation or field edit and, therefore, are not shown on TP-00640.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

Except as noted in Paragraph 61, 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:

A. K. Johnson

Chief, Photogrammetric Branch

James C. Allen

Chief, Coastal Mapping Division

94-PH-77

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU
BY (Check):☐ ORDINARY MAIL ☐ AIR MAIL☒ REGISTERED MAIL ☐ EXPRESS☐ GBL (Give number) _____

DATE FORWARDED

May 25, 1977

NUMBER OF PACKAGES

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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.

- 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)

A. L. Shands

A. L. Shands for Director, AMC

RECEIVED THE ABOVE
(Name, Division, Date)

Return receipted copy to:

ATLANTIC MARINE CENTER
ATTN: Mr. Shands, C52x1
439 WEST YORK STREET
NORFOLK, VA 23510

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00640

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]