

TP-00642

ORIGINAL

TP-00642

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-00642

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Maryland

General Locality Gunpowder River

Locality Carroll Island

1972 TO 1974

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width: 50%;"> SURVEY TP. <u>00642</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final (F.E.)</u> JOB <u>PH-CM-7213</u> </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00642</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final (F.E.)</u> JOB <u>PH-CM-7213</u>		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00642</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final (F.E.)</u> JOB <u>PH-CM-7213</u>						
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, Virginia OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> LAST PRECEDING MAP EDITION </td> </tr> <tr> <td style="width: 50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width: 50%;"> JOB <u>PH-</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u> </td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB <u>PH-</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>
LAST PRECEDING MAP EDITION							
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB <u>PH-</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>						
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
Aerotriangulation Compilation Amendment I		<div style="display: flex; justify-content: space-between;"> <div> 2/26/73 10/09/73 1/28/74 </div> <div> 11/08/72 </div> </div>					
II. DATUMS							
1. HORIZONTAL:		OTHER (Specify)					
2. VERTICAL:		OTHER (Specify)					
3. MAP PROJECTION		4. GRID(S)					
Polyconic		STATE <u>Maryland</u> ZONE <u> </u>					
5. SCALE		STATE <u> </u> ZONE <u> </u>					
1:10,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME	DATE				
1. AEROTRIANGULATION METHOD: Stereoplanigraph LANDMARKS AND AIDS BY		J. Shad SCHAD	10/73				
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat		Allen	10/73				
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000		F. P. Margiotta L. O. Neterer	12/73 12/73				
4. MANUSCRIPT DELINEATION METHOD: Smooth Draft SCALE: 1:10,000		F. R. Gustafson C. Bishop NA NA NA NA	2/74 2/74 - - - -				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		C. H. Bishop	2/74				
6. APPLICATION OF FIELD EDIT DATA		Charles Parker	10/74				
7. COMPILATION SECTION REVIEW		R. R. White	1/75				
8. FINAL REVIEW		A. L. Shands	5/77				
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		A. L. Shands	5/77				
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		F. R. WATTS	6/77				
11. MAP REGISTERED - COASTAL SURVEY SECTION		R. D. Cator	7/77				

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00642
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)144 thru 148	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 (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-00640	TP-00643	No Survey	No Survey

REMARKS

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

TP-00642

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	M. C. Grunthal	12/72
2. HORIZONTAL CONTROL	RECOVERED BY A. Potok, E. Homick, M. C. Grunthal	12/72
	ESTABLISHED BY M. C. Grunthal, E. Homick	11/72
	PRE-MARKED OR IDENTIFIED BY A. Potok, E. Homick, 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)145	BOOBY, 1972 (Temp.)		
72L(CI)144	CROW, 1961 NO 1		
72L(CI)144	EMIL, 1972 (Temp.)		
72L(CI)147	CHERYL, 1972 (Temp.)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

4 Form 152's, Control Station Identification

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00642
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. D. Black	8/28/74
2. HORIZONTAL CONTROL	RECOVERED BY R. D. Black	8/28/74
	ESTABLISHED BY R. D. Black	8/28/74
	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 R. D. Black	8/28/74
	LOCATED (Field Methods) BY R. D. Black	8/28/74
	IDENTIFIED BY R. D. Black	8/28/74
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 R. D. Black	
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)

72L(CI)144, 145, 146, 147 and 148

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72L(CI)146 72L(CI)146	Sue Island Entrance Light Dbn, prvt. main't., red		

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

4 Form NOAA 76-40's

1 Film Ozalid with Field Edit Notes

4 C&GS Form 526's (copies)

1 Field Edit Report

1 Field Edit Ozalid

NOAA FORM 76-36C
(3-72)

05 tp 0641. fl

4

NOAA FORM 76-36D
(3-72)TP-00642
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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.	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.
1	2775	1/21/75	Landmark for deletion.
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: _____

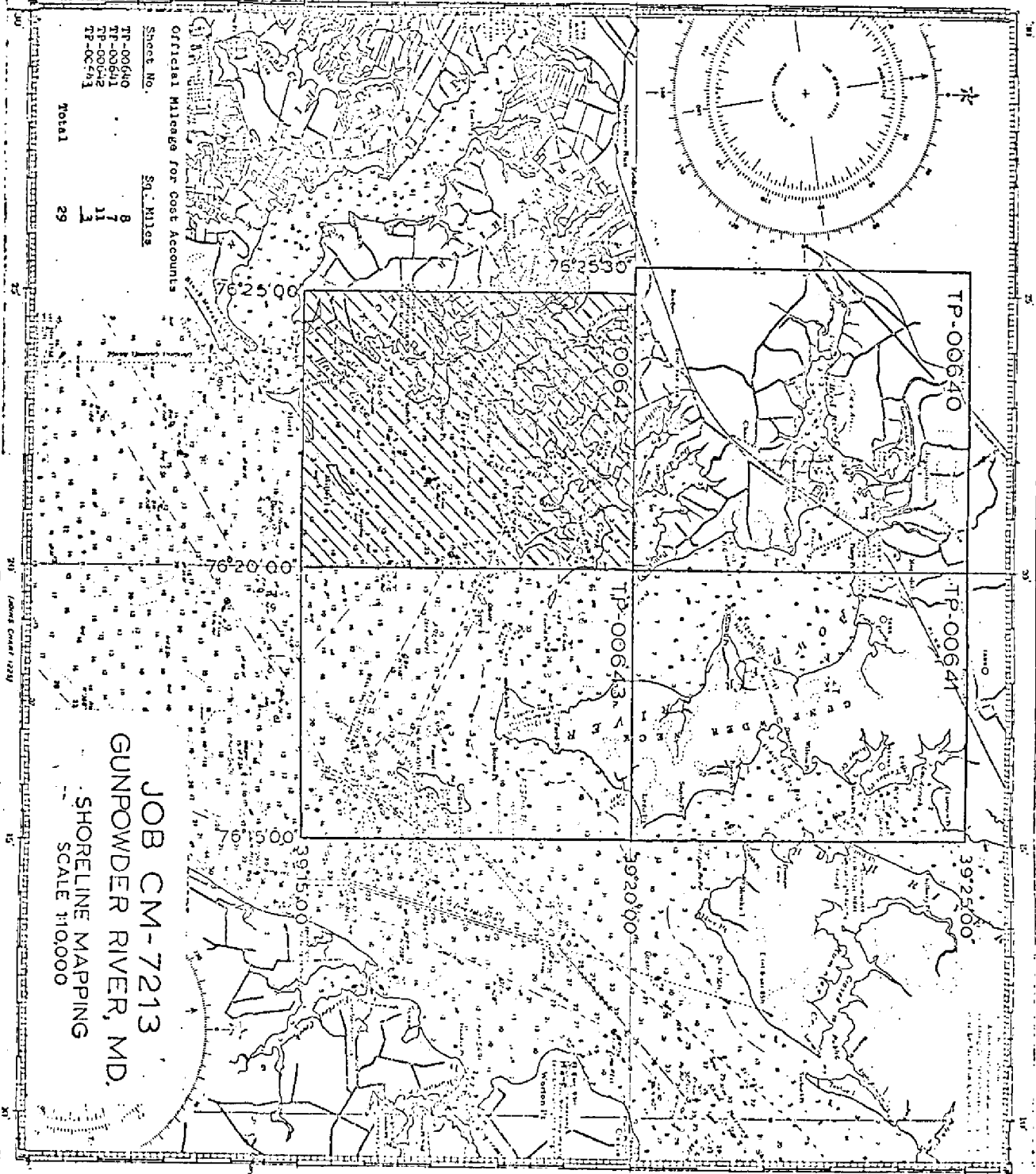
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ⁷⁶⁻¹⁰ ~~55~~ 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	



Sheet No.	Sq. Miles
TP-00640	8
TP-00641	7
TP-00642	11
TP-00643	1
Total	29

Official Mileage for Cost Accounts

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-00642

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

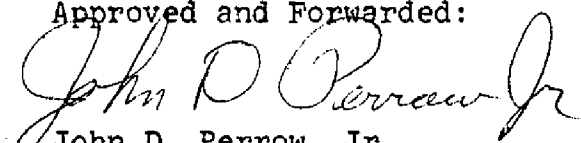
24. Supplemental Data

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

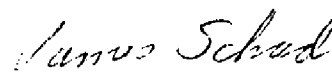
Photography was adequate as to overlap, definition, and coverage.

Approved and Forwarded:



John D. Perrow, Jr.
Chief, Aerotriangulation Section

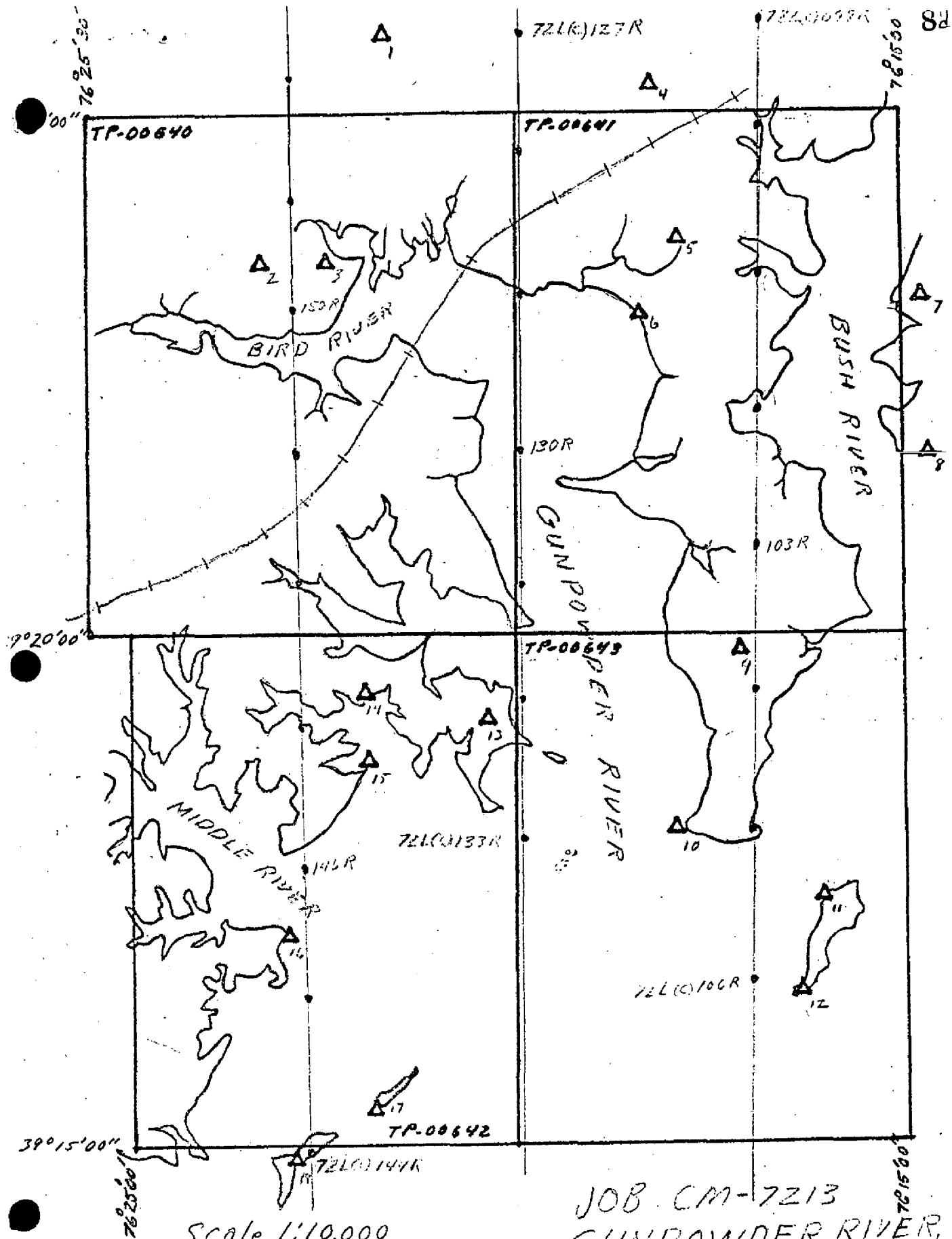
Submitted by:



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



Scale 1:10,000

JOB CM-7213
GUNPOWDER RIVER,
MD.

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.	JOB NO.	GEODETIC DATUM	COORDINATES IN FEET STATE NA	1927	ORIGINATING ACTIVITY	REMARKS
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	STATE Maryland	NA	Division, AMC, Norfolk, Virginia	Division, AMC, Norfolk, Virginia
			ZONE		φ LATITUDE λ LONGITUDE	φ LATITUDE λ LONGITUDE
HAWK, 1934	G.P. Vol I P. 410		X=	φ 39 15 46.014	1419.0 (431.3)	1419.0 (431.3)
			Y=	λ 76 23 57.575	1380.3 (58.2)	1380.3 (58.2)
LOG, 1935	G.P. Vol I P. 453		X=	φ 39 18 14.632	451.2 (1399.1)	451.2 (1399.1)
			Y=	λ 76 23 41.491	994.2 (443.4)	994.2 (443.4)
RED CUPOLA, 1935	G.P. Vol I P. 453		X=	φ 39 18 12.05	371.6 (1478.7)	371.6 (1478.7)
			Y=	λ 76 24 44.41	1064.1 (373.5)	1064.1 (373.5)
BRORING, 1933	G.P. G2579 P. 24		X=	φ 39 17 07.110	219.3 (1631.0)	219.3 (1631.0)
			Y=	λ 76 22 58.157	1393.8 (44.2)	1393.8 (44.2)
MIRE, 1961	QUAD 390762 STA. 1031		X=	φ 39 19 42.5828	1313.2 (537.1)	1313.2 (537.1)
			Y=	λ 76 24 49.9788	1197.1 (240.0)	1197.1 (240.0)
CROW, 1961	QUAD 390762 STA. 1035		X=	φ 39 15 24.3354	750.5 (1099.8)	750.5 (1099.8)
			Y=	λ 76 21 51.0669	1224.4 (214.2)	1224.4 (214.2)
A POINT, 1961	QUAD 390762 STA. 1028		X=	φ 39 19 09.6934	298.9 (1551.4)	298.9 (1551.4)
			Y=	λ 76 24 27.3343	654.8 (782.5)	654.8 (782.5)
BOOBY, 1972 (Temp)	GP's & PC's Printout 1/24/73		X=	φ 974,710.009	4710.009 (289.991)	4710.009 (289.991)
			Y=	λ 529,465.21	4465.21 (534.79)	4465.21 (534.79)
CHERYL, 1972 (Temp)	GP's & PC's Printout 1/24/73		X=	φ 978,950.459	3950.459 (1049.541)	3950.459 (1049.541)
			Y=	λ 537,955.962	2955.962 (2044.038)	2955.962 (2044.038)
CROW, 1961 RML (Temp)	GP's & PC's Printout 1/24/73		X=	φ 980,052.092	52.092 (4947.908)	52.092 (4947.908)
			Y=	λ 519,097.591	4097.591 (902.409)	4097.591 (902.409)
COMPUTED BY G. R. Vanderhaven	DATE 10/24/73	COMPUTATION CHECKED BY F. R. Gustafson	DATE 10/25/73			
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.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS
					COORDINATES IN FEET STATE _____ ZONE _____	NA 1927 Maryland	Division, AMC, Norfolk, Virginia	Geographic Position ϕ LATITUDE λ LONGITUDE	
TP-00642	CM-7213								
WILSON POINT JUNCTION LIGHT, 1957	G.P. Vol I P. 686				X=	ϕ 39 18 19.452	599.9	(1250.4)	
					Y=	λ 76 24 33.819	810.3	(627.3)	
BALTIMORE GAS AND ELECTRIC CO., CRANE STATION STACK, 1961	QUAD 390762 STA. 1032				X=	ϕ 39 19 24.614	759.1	(1091.2)	
					Y=	λ 76 21 55.820	1337.1	(100.1)	
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
COMPUTED BY	G. R. Vanderhaven	DATE	10/24/73	COMPUTATION CHECKED BY	F. R. Gustafson	DATE	10/25/73		
LISTED BY		DATE		LISTING CHECKED BY		DATE			
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY		DATE			

COMPILATION REPORT

TP-00642

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. The shoreline was obscured in places by overhanging trees and shadows. Photo coverage does not extend to western limit of the manuscript. Definition was good. 1:30,000 scale color infrared photography was used.

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:

Alongshore details and the mean high water line were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:

Hart Island, Miller Island and Seneca Light were delineated with no unusual problems.

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 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 MIDDLE RIVER, MD., dated 1969 and GUNPOWDER NECK, MD., dated 1949, photorevised 1970. Each is 1:24,000 scale.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 1226, scale 1:80,000 23rd edition, dated August 9, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

A. L. Shanks
for

F. R. Gustafson
Cartographic Aid
February 1, 1974

Approved for forwarding:

Albert C. Rauck, Jr.

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

GEOGRAPHIC NAMES

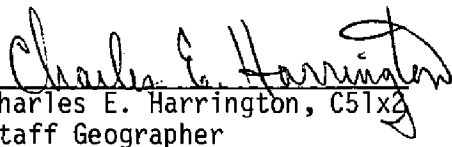
FINAL NAME SHEET

CM-7213 (Gunpowder River, Md.)

TP-00642

✓ Back River Neck	✓ Glenn L. Martin State Airport	✓ Saltpeter Creek
✓ Balliston Point	✓ Hart Island	✓ Seneca Creek
✓ Booby Point	✓ Hawk Cove	✓ Seneca Park
✓ Bowley Bar	✓ Hawthorn Cove	✓ Stansbury Creek
✓ Bowleys Quarters	✓ Hogpen Creek	✓ Stansbury Estates
✓ Breezy Point Beach	✓ Holly Beach (locality)	✓ Strawberry Point
✓ Brier Point	✓ Island View Beach (locality)	✓ Stubby Island
✓ Browns Creek	✓ Log Point	✓ Sue Creek
✓ Carroll Island	✓ Lower Island Point	✓ Sue Island
✓ Cedar Beach (locality)	✓ Miami Beach (locality)	✓ Turkey Point
✓ Chesapeake Bay	✓ Middle River	✓ Weir Point
✓ Frog Mortar Creek	✓ Miller Island	✓ Wells Point
✓ Galloway Creek	✓ Porters Park	✓ Wilson Point
✓ Galloway Point	✓ Rockaway Beach (locality)	

Approved by: -


Charles E. Harrington, C51xg
Staff Geographer

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00642			
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 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 None	39. FORMS CHB
40. REVIEWER Charles H. Bishop Charles 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. Parker	G. L. Shmidt 10/74	SUPERVISOR Albert C. Rauck, Jr.	
Reviewed R. White	R. White 1/75	Albert C. Rauck, Jr.	
43. REMARKS			

TP-00642

Carroll Island, Maryland
CM-7213

51. 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.

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 great deal of shoreline was compiled as non-stable when it was actually bulkhead or rip-rap, or vice versa. All such areas have been shown or referenced on the field edit paper ozalid. These areas were probably compiled incorrectly due to extensive shadow areas along the shoreline. Unless otherwise noted, the mean high water line is adjacent to the bulkhead or rip-rap, which coincides with the originally compiled mean high water line.

Numerous piles and piling were located during the field edit and are shown on the photographs. Piles are shown as pricked holes in the photo. New piers or piers missed during compilation have been shown on the photos as (a) a purple inked solid line, (b) two pricked holes (one at shore end and one at water end), or (c) a single pricked hole at the water end (in which case the pier is to be compiled perpendicular to the shoreline).

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

Navigational lights to be charted are Wilson Point Junction Light, Bowley Bar Obstruction Light, Senneca Creek Entrance Light 2, and Sue Island Entrance Light. Five daybeacons are recommended for charting. Frog Mortar Creek Daybeacon 2 is maintained by the U.S. Coast Guard. The other four daybeacons are privately maintained.

CARROLL ISLAND TOWER, 1956 has been moved. The current position of the tower is shown on the revised form 76-40 and was determined by this field party.

The position of BALTIMORE GAS AND ELECTRIC CO., CRANE STA., STACK, 1961 is also incorrect. A new position of the center of the stack was determined by this field party and is shown on the revised form 76-40.

A miniature privately constructed lighthouse is recommended as a landmark for small craft chart 549.

Forms 76-40 have been completed for all of 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
1/14/75

NOAA FORM 76-40 (8-74)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
NONFLOATING AIDS				FOR CHARTS							
REPLACES C&GS FORM 567.		REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		Coastal Mapping Div. Norfolk, Va.		Maryland		Gunpowder River		Oct. 1974			
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.				DATUM							
OPR PROJECT NO. 510		JOB NUMBER Om-7213		SURVEY NUMBER TP-00642		N.A. 1927					
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
		° /	D.M. Meters	° /	D.P. Meters		OFFICE	FIELD			
LIGHT	Bowley Bar Obstruction Light (1-27/75)	39-18	00.05	76-23	16.76			P-5 8-7-74		1226 549SC	
DBN	Privt. Maintnd. red triangle on pile *	39-17	47.68 1468.8	76-24	OK. 34 104.95			P-5 8-12-74 72L-146		549SC	
DBN	Privt. Maintnd. red triangle on pile	39-17	48.59 1498	76-24	02.27 54			F-4-8-L 8-12-74		549SC	
DBN	Privt. Maintnd. black square on pier	39-17	48.32 1490	76-24	00.64 15			P-5 8-12-74		549SC	
DBN	Privt. Maintnd. black square on pile	39-17	48.81 1505	76-23	58.56 1403			F-4-8-L 8-12-74		549SC	
LIGHT	(Wilson Point Junction Light, 1957) (1-27/75)	39-18	19.452 599.9	76-24	33.819 810.3		72L(C) 146(I) 10-01-72	V-Vis. 8-8-74		1226 549SC	
LIGHT	Seneca Creek Entrance Light 2 (1-27/75)	39-18	10.70 330	76-21	27.04 648		72L(C) 146(I) 10-01-72	V-Vis. 8-6-74		1226 572 549SC	
LIGHT	Sue Island Entrance Light 1	39-17	24.22 747	76-23	54.45 1305		72L(C) 146(I) 10-01-72	V-Vis. 8-12-74		1226 549SC	
DBN	Frog Mortar Creek Daybeacon 2	39-19	10.90 336	76-24	06.26 150		72L(C) 147(I) 10-01-72	V-Vis. 8-8-74		1226 549SC	
	* Position previously reported incorrectly. A.L. Shands, F.R. 5/19/77									14	

11-4-75

[illegible]

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input checked="" type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
A. L. Shands 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 (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
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field Identified 6 - Theodolite 7 - Planetable 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.	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-00642

SHORELINE

May 4, 1977

61. GENERAL STATEMENT:

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

The field editor states that the aquatic vegetation in Saltpeter Creek is not a hazard to navigation. The limits of this vegetation are not shown on this map.

Only one of the two stacks at Lat. $39^{\circ} 19.3'$, Long. $76^{\circ} 21.9'$ was recommended by the field editor as a landmark. Each of them appears identical to the other. There is no evidence on the photographs to suggest that one is more prominent than the other. The westerly stack is shown as a map feature. It should be noted on the chart that two stacks exist here. The easterly of the two is reported on the 76-40.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with T-11943, T-11944, T-11948, and T-11949, each 1:10,000 scale and compiled in August 1962. Small differences in shoreline configuration, as well as the construction and demolition of many piers, was noted. The most significant of these is at the Baltimore power plant at the junction of Saltpeter and Seneca Creeks. The land mass across the junction has been removed and several piers have been constructed on the Seneca Creek side.

TP-00642 supersedes the above mentioned surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangles MIDDLE RIVER, MARYLAND dated 1969; and GUNPOWDER NECK, MARYLAND dated 1949, photorevised 1970. Each is 1:24,000 scale. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with H-9453 (AHP 10-3-73) from Lower Island Point at Lat. $39^{\circ} 18.3'$, Long. $76^{\circ} 20.2'$ around to and including the southern shore of Saltpeter Creek. No other areas of this map are covered by contemporary hydrographic surveys. A wreck charted at Lower Island Point and several snags mapped in that vicinity are not discernible on the photographs. The area, however, does appear foul.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Charts 12278, 1:40,000 scale, 4th edition, dated January 1, 1977; and 12273, 1:80,000 scale, 29th edition, dated September 4, 1976. A wreck charted at the mouth of Middle River and a wreck, snags and stakes charted in the vicinity of Lower Island Point and Weir Point were not mapped during pre-edit compilation. The field editor did not identify the area as foul. These features are not shown on TP-00642 because their images on the photographs are faint and indistinct. These features have been adequately dealt with by the hydrographer.

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

A. L. Shands
Final Reviewer

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

A. L. Shands

Chief, Photogrammetric Branch

James H. Smith

Chief, Coastal Mapping Division

94-PH-77

LETTER TRANSMITTING DATA

TO:

NOAA NATIONAL OCEAN SURVEY
ATTN: 03201
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MD 20852

DATA AS LISTED BELOW WERE FORWARDED TO YOU
BY (Check):

- ☐ ORDINARY MAIL ☐ AIR MAIL
☒ REGISTERED MAIL ☐ EXPRESS
☐ GDL (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

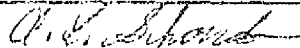
GUNPOWDER RIVER, MD

Field sketches, computations and general notes of horizontal control recovered, identified and established for bridging.

- 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 for Director, AMC

RECEIVED THE ABOVE
(Name, Division, Date)

Return receipted copy to:

ATLANTIC MARINE CENTER
ATTN: Mr. Shands, 052x1
439 WEST YORK STREET
NORFOLK, VA 23510

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP00642

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]