

ORIGINAL  
TP-00643

TP-00643

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-00643...

Classification No. .... Edition No. .... 1

Field Edited Map

### LOCALITY

State ..... Maryland

General Locality ..... Gunpowder River

Locality ..... Pooles Island

1972 TO 1974

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																									
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED																	
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.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TP. <u>00643</u></td> </tr> <tr> <td colspan="2">MAP EDITION NO. <u>(1)</u></td> </tr> <tr> <td colspan="2">MAP CLASS <u>Final (F.E.)</u></td> </tr> <tr> <td colspan="2">JOB <u>PH-CM-7213</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td>JOB</td> <td>PH. _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES: 19__ TO 19__</td> </tr> </table>		SURVEY TP. <u>00643</u>		MAP EDITION NO. <u>(1)</u>		MAP CLASS <u>Final (F.E.)</u>		JOB <u>PH-CM-7213</u>		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__	
SURVEY TP. <u>00643</u>																											
MAP EDITION NO. <u>(1)</u>																											
MAP CLASS <u>Final (F.E.)</u>																											
JOB <u>PH-CM-7213</u>																											
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__																											
<b>I. INSTRUCTIONS DATED</b>																											
1. OFFICE		2. FIELD																									
Aerotriangulation 2/26/73 Compilation 10/09/73 Amendment I 1/28/74		11/08/72																									
<b>II. DATUMS</b>																											
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 Maryland ZONE _____																									
5. SCALE 1:10,000		STATE _____ ZONE _____																									
<b>III. HISTORY OF OFFICE OPERATIONS</b>																											
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		L. O. Neterer, Jr. R. R. White NA NA	2/74 2/74  																								
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Draft CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		F. R. Gustafson C. H. Bishop NA NA NA NA	2/74 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 L. O. Neterer, Jr.	9/74 9/74																								
7. COMPILATION SECTION REVIEW BY		L. O. Neterer, Jr.	9/74																								
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. Cater	7/77																								

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00643  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND X(CI) Color Infrared		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72L(CI)132	10/01/72	13:00	1:30,000	1.0 ft. above MLW	
72L(CI)104 thru 106	10/01/72	12:42	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 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-00641	No Survey	No Survey	TP-00642
REMARKS			

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

TP-00643

## 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 1/73
2. HORIZONTAL CONTROL	RECOVERED BY E. Homick, M. C. Grunthal ESTABLISHED BY L. F. VanScoy PRE-MARKED OR IDENTIFIED BY E. Homick, M. C. Grunthal	1/73 1/73
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 NA	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

## 1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(CI)106	POOLES ISLAND LIGHTHOUSE, 1842	72L(CI)106	TOWER 17, NORTH END OF POOLES ISLAND, A.P.G., 1973
72L(CI)103	GUNPOWDER, 1949		
72L(CI)106	RICKETTS, 1934		
72L(CI)106	DONNA, 1972 (Temp)	72L(CI)105	TOWER 19, SOUTH END OF POOLES ISLAND, A.P.G., 1973

## 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)

6 Form 152's, Control Station Identification

NOAA FORM 76-36C  
(3-72)

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

TP-00643

## HISTORY OF FIELD OPERATIONS

I. ☐ 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	R. D. Black	8/21/74
PRE-MARKED OR IDENTIFIED BY	R. D. Black	
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	8/08/74
RECOVERED (Triangulation Stations) BY	R. D. Black	8/12/74
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		
7. BOUNDARIES AND LIMITS	NA	
SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(CI)106	POOLES ISLAND LIGHTHOUSE		

3. PHOTO NUMBERS (Clarification of details)

72L(CI)104, 105, 106

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72L(CI)106	Observation Towers (2), Pooles Island Lighthouse (abd.), Pooles Island South and North Range Rear Lights, Pooles Island South Range Front Light		

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)

\* 4 Form C&GS 526's  
 4 NOAA Form 76-40's  
 1 C&GS Form 738  
 1 NOAA Form 76-72

1 C&GS Form 382  
 1 Field Edit Report  
 1 Field Edit Ozalid  
 1 Film Ozalid

NOAA FORM 76-36C  
(3-72)

\* COMBINED INTO 3 FORMS 76-40 IN THIS REPORT.

(B. WATTS 6-17-77) \* U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00643  
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
Compilation complete. Field edit applied.	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	125474	9/25/74	3 landmarks for charts.
1	125474	9/25/74	6 nonfloating aids.

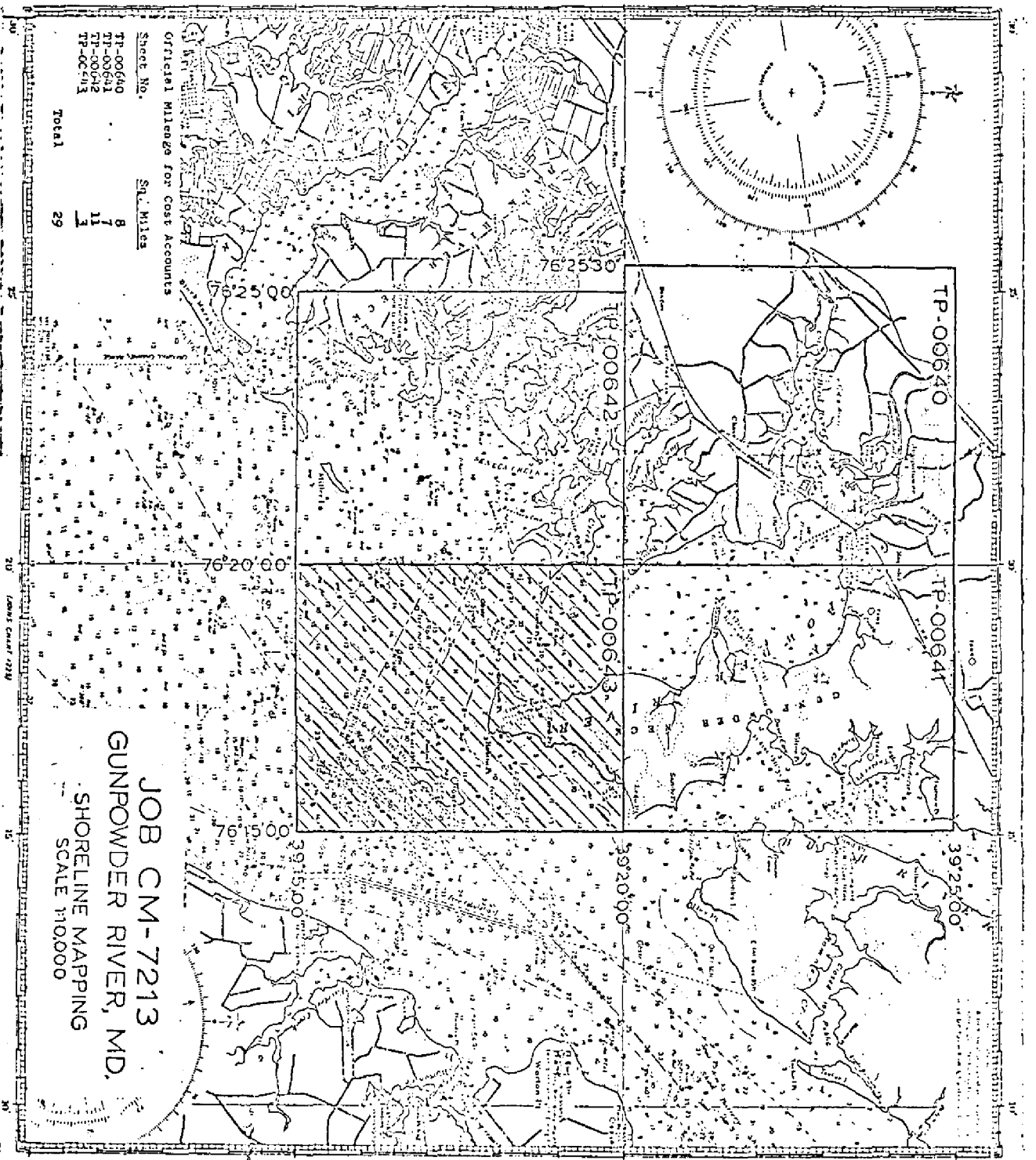
2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: September 25, 1974  
 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS <sup>76-40</sup> ~~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	



## 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-00643

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.

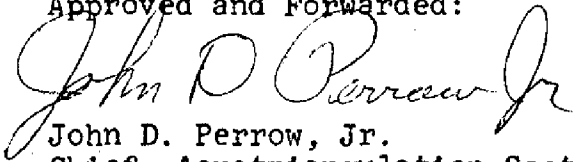
#### 24. Supplemental Data

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

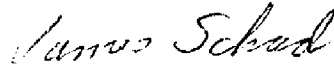
Photography was adequate as to overlap, definition, and coverage.

Approved and Forwarded:



John D. Perrow, Jr.  
Chief, Aerotriangulation Section

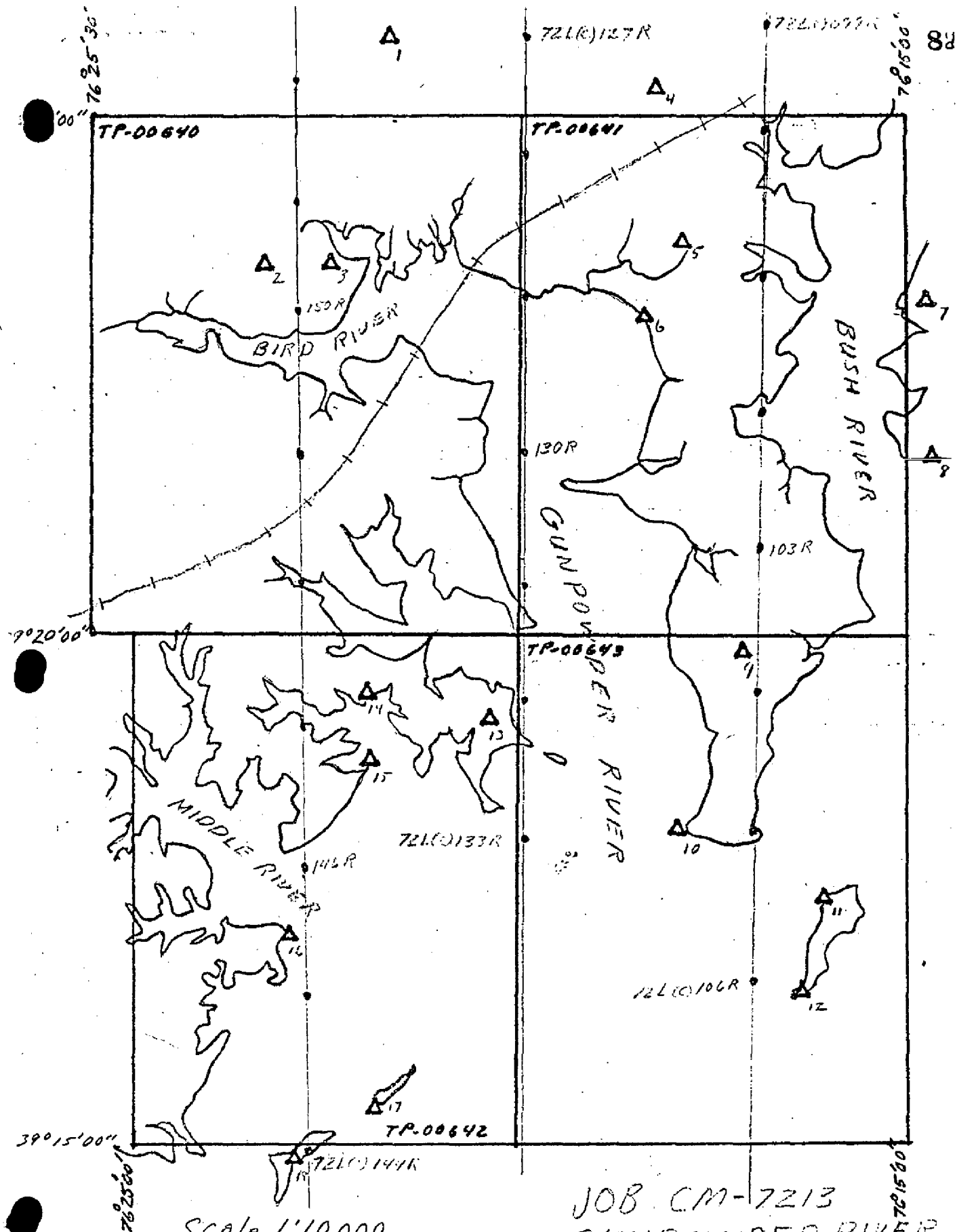
Submitted by:



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.



Scale 1:10,000

JOB CM-7213  
GUNPOWDER RIVER,  
VMD.

## 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, RM1 (Temp), 1972
18. EMIL (Temp), 1972

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETTIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS	
					NA	1927	STATE	ZONE	φ	λ		φ LATITUDE	λ LONGITUDE
TP-00643		CM-7213									Division, AMC, Norfolk, Virginia		
	RICKETTS, 1934		G.P. G5942 P. 411					x=	φ	39 18 06.421		198.0	(1652.3)
								y=	λ	76 17 59.677		1429.9	(7.8)
	POOLES ISLAND LIGHTHOUSE, 1842		G.P. G6121 P. 457					x=	φ	39 17 25.426		784.1	(1066.2)
								y=	λ	76 16 00.342		8.2	(1429.7)
	LIGHTHOUSE SOUTH OF POOLES ISLAND, 1935		G.P. G5458 P. 520					x=	φ	39 15 43.752		1349.2	(501.1)
								y=	λ	76 16 41.312		990.5	(448.0)
	GUNPOWDER, 1949		G.P. P. 637					x=	φ	39 19 53.339		1644.9	(205.4)
								y=	λ	76 17 08.838		211.7	(1225.4)
	DONNA, 1972 (Temp)		G.P.'s and P.C.'s Print-out 1/24/73					x=	φ	525,739.374		739.374	(4260.626)
								y=	λ	1,006,517.758		1517.758	(3482.242)
								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-00643

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color infrared photography. The quality of photographs was adequate, except as noted in Paragraph 36.

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:

Spry Island Shoal is only partly visible on the color infrared photographs. Photography was of sufficient scale and quality to allow the delineation of Pooles Island.

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 this Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle GUNPOWDER NECK, MD., 1:24,000 scale, dated 1949.

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 13, 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-00643

Boone Creek

Carroll Island

Carroll Point

Chesapeake Bay

Days Point

Fort <sup>d</sup> Point <sup>C&H</sup> \*

Gunpowder Neck

Gunpowder River

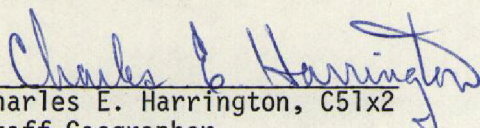
Pooles Island

Rickett Point

Robins Point

White Oak Point

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 - 00643			
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 NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES LON	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 CHB	17. LANDMARKS CHB	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 None	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 Charles H. Bishop 2/14/74		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 Charles Blood 9/74	SUPERVISOR Albert C. Rauck, Jr. 9/74		
Reviewed L. O. Neterer, Jr. 9/74	Albert C. Rauck, Jr.		
43. REMARKS			

TP-00643

Pooles Island, 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 for TP-00641.

Ricketts Point is now a detached island (lat.  $39^{\circ} 18.1$ , lon.  $76^{\circ} 17.8'$ ), as noted on photo NOS 10CT72L105. Large areas of water in Gunpowder River contain underwater weeds during the summer months. These areas were compiled as grass in water. These areas do not inhibit navigation and should not be considered hazardous.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are two landmark observation towers and a landmark abandoned lighthouse on Pooles Island. Four non-floating aids- Pooles Island South Range Rear Light, Pooles Island North Range Rear Light, Pooles Island South Range Front Light and Pooles Island North Range Front Light-are located on Pooles Island. The two rear range lights are the same structure.

Robins Point Light and Pooles Island Bar Light are the final two aids recommended for charting. Pooles Island Bar Light is a triangulation station named LIGHTHOUSE SOUTH OF POOLES ISLAND, 1935.

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

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS										FOR CHARTS									
CHARTING NAME		REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		ORIGINATING ACTIVITY		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED					
OPR PROJECT NO.		HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/>		SURVEY NUMBER		LATITUDE		LONGITUDE		OFFICE		FIELD		CHARTS AFFECTED					
510		CM-7213		TP-00643		North American 1927		Gunpowder River		09/16.74		F.2.6. 08/12/74		1226 549 SC					
LIGHT	Poolles Island North Range Front Light (L-1254/74)-Source	OK	39 17	04.580	76 15	40.027	72L(CI) 106 10/01/72	Verif. 07/29/74	"	"	"	"	"	"	"				
LIGHT	Poolles Island North Range Rear Light (L-1254/74)	OK	39 16	40.18	76 16	14.39	72L(CI) 106 10/01/72	Verif. 07/29/74	"	"	"	"	"	"	"				
LIGHT	Poolles Island South Range Rear Light (L-1254/74)	OK	39 16	40.18	76 16	14.39	72L(CI) 106 10/01/72	Verif. 07/29/74	"	"	"	"	"	"	"				
LIGHT	Poolles Island South Range Front Light (L-1254/74)	OK	39 16	40.86	76 16	05.92	72L(CI) 106 10/01/72	Verif. 07/29/74	"	"	"	"	"	"	"				
LIGHT	Poolles Island Bar Light (Lighthouse South of Poolles Island, 1935) (L-1254/74)	OK	39 15	43.752	76 16	11.312	72L(CI) 106 10/01/72	Triang. Rec. 08/05/74	"	"	"	"	"	"	"				
LIGHT	Robbins Point Light (L-1254/74)	OK	39 18	04.60	76 16	57.17	72L(CI) 105 10/01/72	Verif. 07/29/74	"	"	"	"	"	"	"				



## REVIEW REPORT

TP-00643

## SHORELINE

May 20, 1977

61. GENERAL STATEMENT:

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

An abandoned lighthouse and a tower located on the northwest shore of Pooles Island appear very similar in size, shape, and height as viewed on the photographs. The lighthouse was recommended as a landmark (Pooles Island Lighthouse, 1842). The tower located seaward of it was not recommended as a landmark; yet, two towers to the south, apparently identical to the seaward tower, were recommended as landmarks. A definite statement by some field observer as to the relative prominence of the two north towers is needed for clarification. The chart should show, either by note or symbolization, that both a tower and a lighthouse exist there.

Trees considered of landmark value by the field editor were delineated at Carroll Point.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with incomplete Manuscripts T-11944, T-11945, T-11949 and T-11950, each 1:10,000 scale, compiled 1962. The grass in water shown on these maps at Carroll Point is not hazardous to navigation according to the field editor and is, therefore, not shown on TP-00643.

TP-00643 supersedes the above mentioned surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle GUNPOWDER NECK, MARYLAND, 1:24,000 scale, dated 1949, photorevised 1970.

The shorelines at Carroll Point and Rickett Point have eroded so that now, in both instances, the points of land have become islands. Spry Island appears on the

photographs as a small and rather indistinct image. Its true limits cannot be discerned and, therefore, it is not shown on this map.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Verified Smoothsheet H-9454 (AHP 10-4-74). A shoal area visible on the photography at Lat.  $39^{\circ} 17.8'$ , Long.  $76^{\circ} 18.8'$  has apparently dissipated. Four-foot soundings are shown on the verified smoothsheet in this area. The shoal was removed from the map to avoid confusion and conflict. H-9454 covers the Gunpowder River area only.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Charts 12278, 44th edition, dated January 1, 1977; and 12274, 15th edition, dated November 27, 1976; each 1:40,000 scale.

Spry Island Shoal and two smaller shoals to the east of it are not shown on this map. See Paragraphs 63 and 64 above. Grass in water charted off the west shore of Gunpowder Neck is considered by the field editor not to be hazardous to navigation and is, therefore, not shown on this map.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirement 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:

*[Signature]*  
Chief, Photogrammetric Branch

*[Signature]*  
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

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.

GM-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

~~EXCLUDED FROM THIS LIST ARE THE FOLLOWING: 1. 1 Form 76-40's, Nonfloating Aids or Landmarks~~

~~2. 1 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, C52x1  
439 WEST YORK STREET  
NORFOLK, VA 23510

