

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 .....

## DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

 ORIGINAL  
 RESURVEY

SURVEY TP. 00642

MAP EDITION NO. (1)

MAP CLASS Final (F.E.)

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)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
Wild RC-8 "L"		X (CI) Color Infrared (C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				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

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 ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	A. Potok, E. Homick, M. C. Grunthal M. C. Grunthal, E. Homick A. Potok, E. Homick, M. C. Grunthal	
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None	
5. GEOGRAPHIC NAMES INVESTIGATION	<input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(CI)145 72L(CI)144 72L(CI)144 72L(CI)147	BOOBY, 1972 (Temp.) CROW, 1961 NO 1 EMIL, 1972 (Temp.) 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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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			

TP-00642

## HISTORY OF FIELD OPERATIONS

I.  FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. D. Black	8/28/74
2. HORIZONTAL CONTROL	R. D. Black	8/28/74
RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	R. D. Black	8/28/74
3. VERTICAL CONTROL	None	
RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	R. D. Black	8/28/74
RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	R. D. Black	8/28/74
5. GEOGRAPHIC NAMES INVESTIGATION	<input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
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

## 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&amp;GS Form 526's (copies)

1 Field Edit Report

1 Field Edit Ozalid

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

TP-00642

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit.	2/74	Class III Manuscript	2/22/74	4/22/74
Field edit applied. Compilation complete.	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, 1975  
 3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:

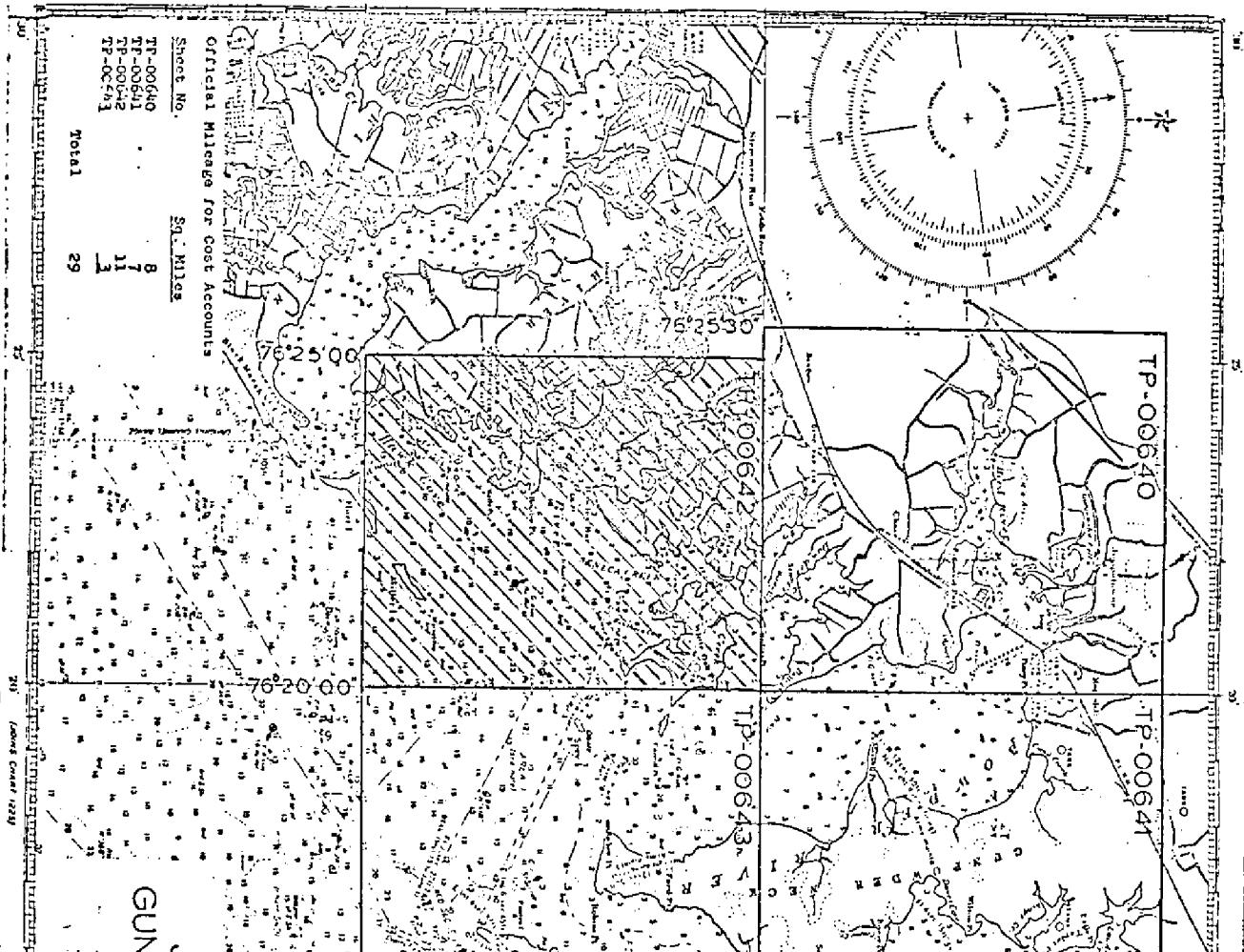
## III. FEDERAL RECORDS CENTER DATA

1.  BRIDGING PHOTOGRAPHS;  DUPLICATE BRIDGING REPORT;  COMPUTER READOUTS.  
 2.  CONTROL STATION IDENTIFICATION CARDS;  FORM NOS. ~~76-10~~ 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 -	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	TYPE OF SURVEY		
					<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	<input type="checkbox"/> MAP CLASS	
THIRD EDITION	SURVEY NUMBER TP - (3)	JOB NUMBER PH -			<input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	TYPE OF SURVEY	
	DATE OF PHOTOGRAPHY		DATE OF FIELD EDIT		<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	MAP CLASS	
FOURTH EDITION	SURVEY NUMBER TP - (4)	JOB NUMBER PH -	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	TYPE OF SURVEY	
	DATE OF PHOTOGRAPHY				<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	MAP CLASS	



## 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 Poole's 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 stereoplano graph 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.



-2

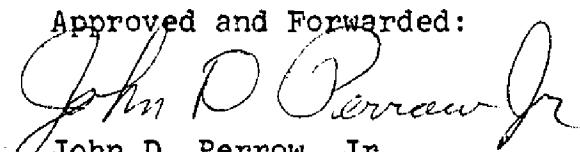
24. Supplemental Data

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

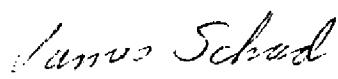
Photography was adequate as to overlap, definition, and coverage.

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. POOLE'S 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, RML (Temp), 1972
18. EMIL (Temp), 1972

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY			REMARKS
			NA	1927	GEOGRAPHIC POSITION	
STATION NAME	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET STATE _____ ZONE _____	φ LATITUDE	λ LONGITUDE	FORWARD	BACK
HAWK, 1934	G.P. Vol I P. 410	x= _____ y= _____	φ 39 15 46.014	λ 76 23 57.575	1419.0 1380.3	(431.3) (58.2)
LOG, 1935	G.P. Vol I P. 453	x= _____ y= _____	φ 39 18 14.632	λ 76 23 41.491	451.2 994.2	(1399.1) (443.4)
RED CUPOLA, 1935	G.P. Vol I P. 453	x= _____ y= _____	φ 39 18 12.05	λ 76 24 44.41	371.6 1064.1	(1478.7) (373.5)
BRORING, 1933	G.P. G2579 P. 24	x= _____ y= _____	φ 39 17 07.110	λ 76 22 58.157	219.3 1393.8	(1631.0) (44.2)
MIRE, 1961	QUAD 390762 STA. 1031	x= _____ y= _____	φ 39 19 42.5828	λ 76 24 49.9788	1313.2 1197.1	(537.1) (240.0)
CROW, 1961	QUAD 390762 STA. 1035	x= _____ y= _____	φ 39 15 24.3354	λ 76 21 51.0669	750.5 1224.4	(1099.8) (214.2)
A POINT, 1961	QUAD 390762 STA. 1028	x= _____ y= _____	φ 39 19 09.6934	λ 76 24 27.3343	298.9 654.8	(1551.4) (782.5)
BOOBY, 1972 (Temp)	GP's & PC's Printout 1/24/73	x= 974,710.009 y= 529,465.21	φ 39 10 009 λ	4710.009 4465.21	(289.991) (534.79)	
CHERYL, 1972 (Temp)	GP's & PC's Printout 1/24/73	x= 978,950.459 y= 537,955.962	φ 39 10 009 λ	3950.459 2955.962	(1049.541) (2044.038)	
CROW, 1961 RML (Temp)	GP's & PC's Printout 1/24/73	x= 980,052.092 y= 519,097.591	φ 39 10 009 λ	52.092 4097.591	(4947.908) (902.409)	
COMPUTED BY	G. R. Vanderhaven	DATE 10/24/73	COMPUTATION CHECKED BY F. R. Gustafson	DATE 10/25/73	LISTING CHECKED BY F. R. Gustafson	DATE 10/25/73
LISTED BY		DATE	HAND PLOTTING CHECKED BY	DATE		DATE
HAND PLOTTING BY		DATE				

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GM-7213	NA	1927	ORIGINATING ACTIVITY		Coastal Mapping	
					Division, AMC, Norfolk, Virginia		REMARKS	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE _____ Maryland ZONE _____	GEOGRAPHIC POSITION		FORWARD	BACK	
WILSON POINT JUNCTION LIGHT, 1957	G.P. Vol I P. 686	X=		φ	39 18 19.452	599.9	(1250.4)	
BALTIMORE GAS AND ELECTRIC CO., CRANE STATION STACK, 1961	QUAD 390762 STA. 1032	Y=		λ	76 24 33.819	810.3	(627.3)	
		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				
		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				COMPUTATION CHECKED BY	F. R. Gustafson		DATE 10/25/73
LISTED BY					LISTING CHECKED BY			DATE
HAND PLOTTING BY					HAND PLOTTING CHECKED BY			DATE

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

Page 2 of 2

## COMPIILATION 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. Schaudt*  
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	✓ Salt peter 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, C51x2

NOAA FORM 75-74 (7-75)		PHOTOGRAMMETRIC OFFICE REVIEW TP - 00642			U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB			
<b>CONTROL STATIONS</b>						
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY ( <i>Topographic stations</i> ) 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			
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>						
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			
<b>PHYSICAL FEATURES</b>						
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB	22. PLANETABLE CONTOURS NA				
23. STEREOGRAPHIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES CHB			
<b>CULTURAL FEATURES</b>						
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS CHB	30. OTHER CULTURAL FEATURES CHB			
<b>BOUNDARIES</b>						
31. BOUNDARY LINES NA	32. PUBLIC LAND LINES NA					
<b>MISCELLANEOUS</b>						
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 <i>Charles H. Bishop</i> Charles H. Bishop	2/74	SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.				
41. REMARKS (See attached sheet)						
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT						
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.						
COMPILER Reviewed	C. Parker R. White	10/74 <i>for R. White</i>	SUPERVISOR <i>Albert C. Rauck, Jr.</i>			
43. REMARKS						

TP-00642

Carroll 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.

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 COMPIILATION

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, Seneca 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 Charles  
1/14/75

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

## NONFLOATING AIDS FOR CHARTS

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) Coastal Mapping Div. Norfolk, Va.		STATE Maryland		LOCALITY Gunpowder River		DATE Oct. 1974		HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIELD PARTY COMPILE ACTIVITY FINAL REVIEWER QUALITY CONTROL & REVIEW GRP. COAST PILOT BRANCH			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		<input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/> been inspected from seaward to determine their value as landmarks.		<input type="checkbox"/> SURVEY NUMBER TP-00642		<input type="checkbox"/> DATUM N.A.1927		<input type="checkbox"/> METHOD AND DATE OF LOCATION (See instructions on reverse side)		<input checked="" type="checkbox"/> CHARTS AFFECTED			
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		POSITION		LATITUDE		LONGITUDE			
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		<input checked="" type="checkbox"/> <input type="checkbox"/> D.M. Meters		<input checked="" type="checkbox"/> <input type="checkbox"/> D.P. Meters		<input checked="" type="checkbox"/> <input type="checkbox"/> OFFICE		<input checked="" type="checkbox"/> <input type="checkbox"/> FIELD			
LIGHT ✓		Bowley Bar Obstruction Light (1-27/75)		39-18 01		00.05 01		16.76 401		P-5 8-7-74			
DBN		Privt. Maintnd, red triangle on pile *		39-17 14698		47.65 03.34		03.96 721-146		P-5 8-12-74			
DBN		Privt. Maintnd. red triangle on pile		39-17 1498		48.59 76-24		02.27 54		F-4-8-L 8-12-74			
DBN		Privt. Maintnd. black square on pier		39-17 1490		48.32 76-24		00.64 15		P-5 8-12-74			
DBN		Privt. Maintnd. black square on pile		39-17 1505		48.81 76-23		58.56 1403		F-4-8-L 8-12-74			
LIGHT ✓		(Wilson Point Junction Light, 1957) (1-27/75)		39-18 330		19.452 10.70		33.819 810.3		V-Vis. 8-8-74			
LIGHT ✓		Seneca Creek Entrance Light 2 (1-27/75)		39-18 330		76-21 648		721(c)146(I) 10-01-72		V-Vis. 8-6-74			
* LIGHT		Sue Island Entrance Light 1		39-17 747		24.22 76-23		721(c)146(I) 10-01-72		V-Vis. 8-12-74			
DBN		Frog Mortar Creek Daybeacon 2		39-19 336		10.90 76-24		721(c)147(I) 10-01-72		V-Vis. 8-8-74			
* Position previously reported incorrectly. A.L. Shands, F.R. 5/19/77													

٢٢٣



orig. to charts

11/25



TYPE OF ACTION
OBJECTS INSPECTED FROM SEAWARD
POSITIONS DETERMINED AND/OR VERIFIED
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES
<b>OFFICE</b>
<b>I. OFFICE IDENTIFIED</b> Enter the number and day, and year) of identification and location EXAMPLE: 75E(C)604 8-12-75
<b>FIELD</b>
<b>I. NEW POSITION DETERMINED</b> Enter the applicable code: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection
<b>A. Field positions</b> location and date EXAMPLE: F-2-6 8-12-75
<b>*FIELD POSITIONS</b> are determinations based entirely

## 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:

*W. R. Johnson*

Chief, Photogrammetric Branch

*Samuel L. Shands*

Chief, Coastal Mapping Division

## LETTER TRANSMITTING DATA

TO:

NOAA NATIONAL OCEAN SURVEY  
ATTN: 03434  
6001 EXECUTIVE BOULEVARD  
ROCKVILLE, MD 20852

94-PH-77

DATA AS LISTED BELOW WERE FORWARDED TO YOU  
BY (Check): ORDINARY MAIL AIR MAIL REGISTERED MAIL EXPRESS GOL (Give number) \_\_\_\_\_

DATE FORWARDED

May 25, 1977

NUMBER OF PACKAGES

two (2)

**RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00642

## 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.