

ORIGINAL

TP-00641

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

TP-00641

Type of Survey Shoreline.....

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

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

Field Edited Map

LOCALITY

State Maryland.....

General Locality Gunpowder River.....

Locality Maxwell Point.....

19 72 TO 19 74

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY		SURVEY TP. <u>00641</u>
<input checked="" type="checkbox"/> ORIGINAL	<input type="checkbox"/> RESURVEY	MAP EDITION NO. <u>(1)</u>
<input type="checkbox"/> REVISED		MAP CLASS Final (F.E.)
		JOB <u>CM-7213</u>

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division
Atlantic Marine Center, Norfolk, Virginia

OFFICER-IN-CHARGE

Jeffrey G. Carlen, Cdr., NOAA

LAST PRECEDING MAP EDITION

TYPE OF SURVEY		JOB PH. _____
<input type="checkbox"/> ORIGINAL	<input type="checkbox"/> RESURVEY	MAP CLASS _____
<input type="checkbox"/> REVISED		SURVEY DATES: <u>19</u> TO <u>19</u>

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Aerotriangulation Compilation Amendment I	2/26/73 10/09/73 1/28/74
	11/08/72

II. DATUMS

1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN	OTHER (Specify)	
2. VERTICAL: <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL	OTHER (Specify)	
3. MAP PROJECTION Polyconic	4. GRID(S)	
	STATE <u>Maryland</u>	ZONE
5. SCALE <u>1:10,000</u>	STATE	ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION METHOD: Stereoplanigraph LANDMARKS AND AIDS BY	<u>J. Shad SCHAD</u>	<u>10/73</u>
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	<u>Allen</u> <u>Allen</u>	<u>10/73</u> <u>10/73</u>
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8	<u>Vanderhaven & Margiotta</u> <u>Shands & White</u>	<u>11/73</u> <u>11/73</u>
SCALE: <u>1:15,000</u>	NA NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth Draft	<u>Vanderhaven & F.R. Gustafson</u> <u>C. H. Bishop</u> NA NA	<u>2/74</u> <u>2/74</u>
SCALE: <u>1:10,000</u>	NA NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	<u>C. H. Bishop</u>	<u>2/74</u>
6. APPLICATION OF FIELD EDIT DATA	<u>Charles Parker</u> <u>R. R. White</u>	<u>9/74</u> <u>11/74</u>
7. COMPILATION SECTION REVIEW	<u>R. R. White</u>	<u>11/74</u>
8. FINAL REVIEW	<u>A. L. Shands</u>	<u>5/77</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	<u>A. L. Shands</u>	<u>5/77</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	<u>F. R. WATTS</u>	<u>6/77</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION	<u>P. T. Cafay</u>	<u>7/77</u>

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY		
TP-00641 COMPILATION SOURCES				
1. COMPILATION PHOTOGRAPHY				
CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND X (CI) Color Infrared (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern
				MERIDIAN 75th
NUMBER AND TYPE		DATE	TIME	SCALE
72L(CI)130 and 131 72L(CI)100 thru 104		10/01/72 10/01/72	13:00 12:40	1:30,000 1:30,000
STAGE OF TIDE				
1.0 ft. above MLW 0.9 ft. above MLW				
REMARKS				
2. SOURCE OF MEAN HIGH-WATER LINE:				
The mean high water line was compiled from the above listed photography.				
3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:				
None compiled.				
4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)				

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HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	L. F. VanScoy M. C. Grunthal	11/72
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	M. D. Grunthal None 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	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED	2. VERTICAL CONTROL IDENTIFIED
PHOTO NUMBER 72L(CI)099 72L(CI)101	STATION NAME EDGEWOOD, HARFORD MANOR, WATER TANK, 1958 EDGEWOOD ARSENAL, WATER TANK, SMALL, 1939

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

3 Form 152's, Control Station Identification

TP-00641

HISTORY OF FIELD OPERATIONS

 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 ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	R. D. Black	8/21/74	
3. VERTICAL CONTROL	None		
RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA		
4. LANDMARKS AND AIDS TO NAVIGATION	R. D. Black	8/21/74	
RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	R. D. Black	8/21/74	
5. GEOGRAPHIC NAMES INVESTIGATION	R. D. Black	8/21/74	
<input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	NA		
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	2. VERTICAL CONTROL IDENTIFIED		
None	NA		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details)			
72L(CI)129, 131, 101, 102, 104			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72L(CI)129 72L(CI)101 72L(CI)102	Silver Water Tanks (2) Silver Water Tank Bush River Light 5		
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			
NA			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
Pamphlet titled "Boater's Guide to Restricted Water Zone"; 7 copies of Form C&GS 526; 4 NOAA Form 76-40's; 1 Field Edit Report; 2 C&GS Form 526a's; 1 Field Edit Ozalid; 1 Film Ozalid with Field Edit Notes.			

TP-00641
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit.	2/74	Class III Manuscript	2/22/74	4/22/74
Field edit applied. Compilation complete.	9/74	Class I Manuscript	1/16/75	
Final Review	5/77		7/7/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: January 21, 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. ~~302~~ 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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
THIRD EDITION	SURVEY NUMBER TP - (3)	JOB NUMBER PH - _____	<input type="checkbox"/> II.	<input type="checkbox"/> MAP CLASS III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
FOURTH EDITION	SURVEY NUMBER TP - (4)	JOB NUMBER PH - _____	<input type="checkbox"/> II.	<input type="checkbox"/> MAP CLASS III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
			<input type="checkbox"/> II.	<input type="checkbox"/> MAP CLASS III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL

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Official Mileage for Cost Accounts

Sheet No. 1

	MILES
TP-00640	8
TP-00641	11
TP-00642	11
TP-00643	3
Total	29

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

TP-00640 TP-00641
TP-00642 TP-00643
TP-00643

76°25'00" 76°25'30"
76°20'00" 76°15'00"
39°55'00" 39°50'00"

1000' Contour 1924

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

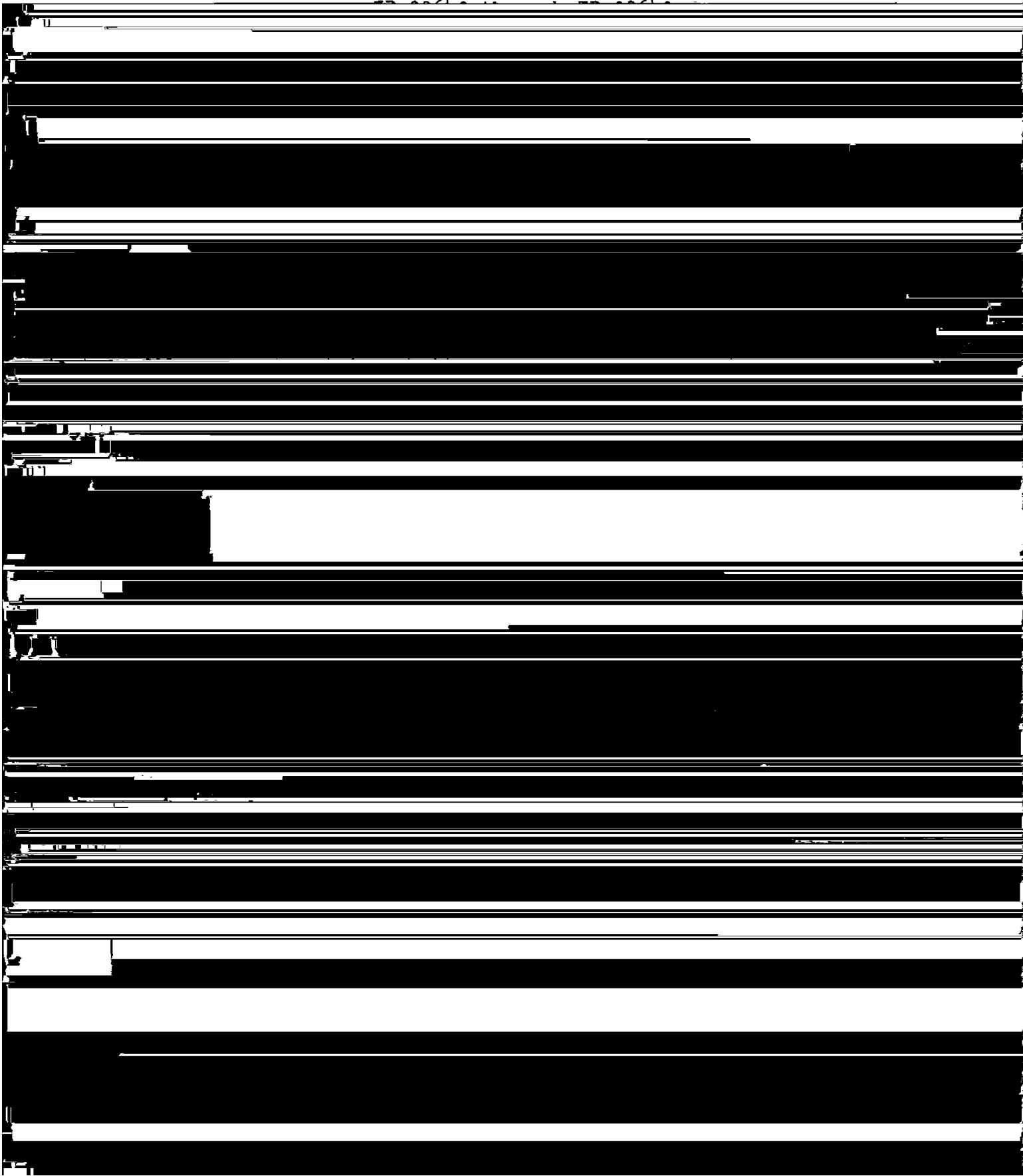
Official Mileage for Cost Accounts	
Sheet No.	SQL Miles
TP-00640	8
TP-00641	7
TP-00642	11
TP-00643	3
Total	29

20 JAMES CHARTER 1224

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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS



7

FIELD INSPECTION

TP-00641

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

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

21. Area Covered

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

22. Method

Three strips of 1:30,000 color infrared photography were bridged on the Zeiss C-8 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.

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

-2

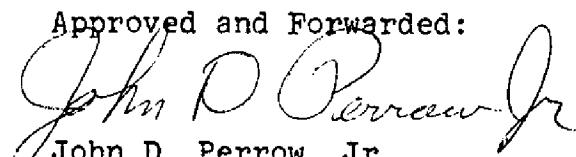
24. Supplemental Data

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

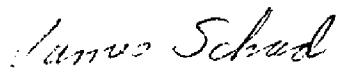
Photography was adequate as to overlap, definition, and coverage.

Approved and Forwarded:



John D. Perrow, Jr.
Chief, Aerotriangulation Section

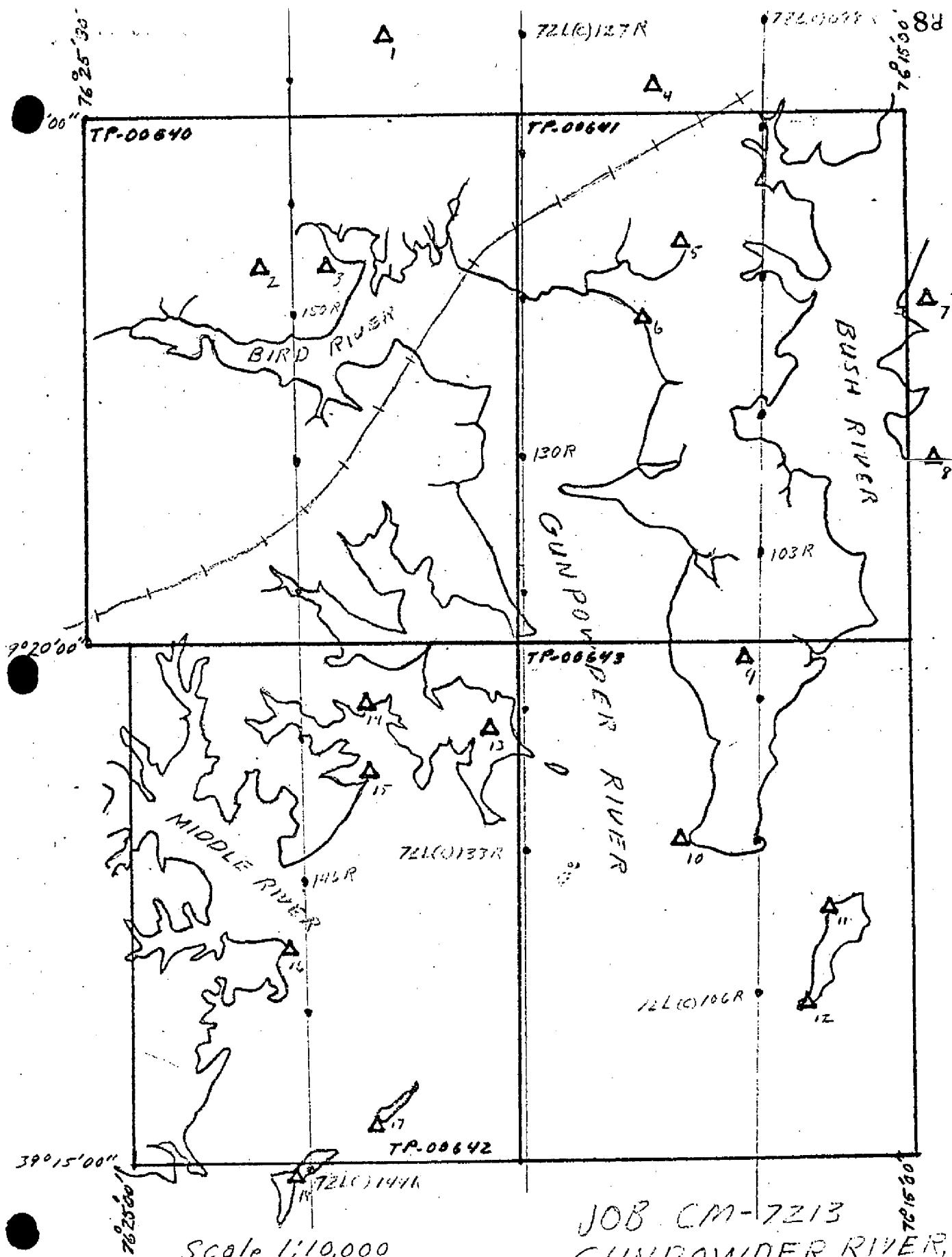
Submitted by:



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.



Scale 1:10,000

JOB CM-7213
GUNPOWDER RIVER,
MD. 7015

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, RMI (Temp), 1972
18. EMIL (Temp), 1972

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

DESCRIPTIVE REPORT CONTROL RECORD									
MAP NO.	JOB NO.	GEOGRAPHIC DATUM		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS	
		NA	1927	φ LATITUDE	λ LONGITUDE	AMC, Norfolk, Virginia	FORWARD	BACK	
TP-00641	GM-7213	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET	STATE _____	φ	λ		
EDGWOOD ARSENAL, WATER TANK, SMALL, 1939	G.P. G5942 P. 414	x=			φ	39 23 49.666		1531.6	(318.7)
PRIMARY TRAVERSE STATION NO. 39 (USGS), 1918	G.P. G5942 P. 412	y=			λ	76 17 54.196		1296.8	(138.9)
MAXWELL POINT 3, 1935	G.P. G5942 P. 411	x=			φ	39 23 01.699		52.4	(1797.9)
REMBOLT'S HOUSE, EAST, CHIMNEY, 1896	G.P. G6122 P. 477	y=			λ	76 18 19.868		475.5	(960.5)
BA 13 18, 1957	QUAD 390762 STA. 1050	x=			φ	39 21 24.877		767.2	(1083.1)
FORT HOYLE LAUNDRY STACK, 1939	G.P. Vol I P. 413	y=			λ	76 19 22.408		536.5	(900.0)
		x=			φ	39 23 14.91		459.8	(1390.5)
		y=			λ	76 18 23.42		560.5	(875.4)
		x=			φ	39 24 57.1098		1761.2	(89.1)
		y=			λ	76 16 21.1152		505.1	(930.2)
		x=			φ	39 23 19.357		597.0	(1253.4)
		y=			λ	76 18 09.708		232.3	(1200.2)
		x=			φ				
		y=			λ				
		x=			φ				
		y=			λ				
		x=			φ				
		y=			λ				
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 75-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPIILATION REPORT

TP-00641

31. DELINEATION:

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

32. CONTROL:

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

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE DETAILS:

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

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

Copies of Form 76-40 were forwarded to the field editor for additions, deletions, and confirmations.

NOV 20 1973

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

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

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

A. L. Slonka
for

Gary R. Vanderhaven
Cartographer
February 15, 1974

Approved for forwarding:

Albert C. Rauck, Jr.

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7213 (Gunpowder River, Md.)

TP-00641

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

Approved by:



Charles E. Harrington, CER x2
Staff Geographer

NOAA FORM 75-74
(7-75)U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00641

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) CHB	7. PHOTO HYDRO STATIONS None	
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE None	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
16. AIDS TO NAVIGATION RW	17. LANDMARKS RW	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB	22. PLANETABLE CONTOURS NA	
23. STEREOGRAPHIC 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	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	2/20/74	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 manus-			

FIELD EDIT REPORT

TP-00641

Maxwell Pt., Maryland
CM-721351. METHODS

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

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

Brief searches by boat for reported features below the mean high water line (eg. wrecks, piling, rocks) were made. Because of the limited visibility into the water and lack of wire drag gear, any negative findings noted in the field edit data should not be considered conclusive, unless otherwise stated. Consult the latest hydrographic survey for more complete information.

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

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

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

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

54. RECOMMENDATIONS

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

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

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

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

Forms 76-40 have been completed for the above.

58. FIELD EDITORS

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

Respectfully Submitted,

Richard D. Black

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

orig. to charts
1/14/75

orig. to charts
1/14/75

REVIEW REPORT

TP-00641

SHORELINE

May 10, 1977

61. GENERAL STATEMENT:

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

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

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

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

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

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

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

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

65. COMPARISON WITH NAUTICAL CHARTS:

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

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

A. L. Shands

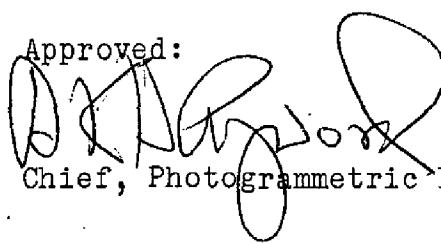
A. L. Shands
Final Reviewer

Approved for forwarding:

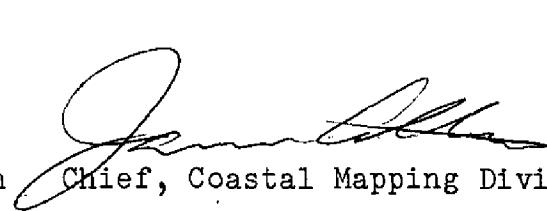
Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

94-PH-77

LETTER TRANSMITTING DATA

TO:

NOAA NATIONAL OCEAN SURVEY
ATTN: C3415
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MD 20852

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.

RECORD OF APPLICATION TO CHARTS

TP-00641

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.