

T P-00956

T P- 00956

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

This map edition will not be field edited

Type of Survey ... SHORELINE

Job No. CM-7601 Map No. TP-00956

Classification No. CLASS 111 Edition No. 1

LOCALITY

State ... Maryland

General Locality ... Northern Chesapeake Bay

Locality ... Havre De Grace

1976 TO 19

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED BY
QUALITY CONTROL OF PHOTOGRAMMETRY BRANCH
PRIOR TO REGISTRATION

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		1 of 18	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP. <u>00956</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Class 111</u> JOB <u>CM 7601</u>	
PHOTOGRAMMETRIC OFFICE <u>ROCKVILLE, MD.</u>		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED			
OFFICER-IN-CHARGE <u>W Simmons</u>		JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED					
1. OFFICE			2. FIELD		
Aerotriangulation 21 Oct 1976 Compilation 7 Dec 1978 Change #1 23 June 1981			Control Premarking 2 March 1976 Supplement #1 28 May 1976		
II. DATUMS					
1. HORIZONTAL:		☒ 1927 NORTH AMERICAN ☐ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify)	
2. VERTICAL:				OTHER (Specify)	
3. MAP PROJECTION		4. GRID(S)			
Lambert Conformal		STATE		ZONE	
		Maryland			
5. SCALE		STATE		ZONE	
1:20,000					
III. HISTORY OF OFFICE OPERATIONS					
OPERATIONS		NAME		DATE	
1. AEROTRIANGULATION BY		B Thornton		Nov 77	
METHOD: Analytic LANDMARKS AND AIDS BY					
2. CONTROL AND BRIDGE POINTS PLOTTED BY		S Solbeck		Dec 78	
METHOD: Coradomat CHECKED BY					
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		J Schad		Jan 82	
COMPILATION CHECKED BY		J Taylor		Jan 82	
INSTRUMENT: Wild B-8 CONTOURS BY		None			
SCALE: CHECKED BY					
4. MANUSCRIPT DELINEATION PLANIMETRY BY		J Schad		April 82	
CHECKED BY		J Taylor		May 82	
METHOD: Smooth Drafted CONTOURS BY		None			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY		None			
CHECKED BY					
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		J Taylor		May 82	
6. APPLICATION OF FIELD EDIT DATA BY		None			
CHECKED BY					
7. COMPILATION SECTION REVIEW BY		F Wright		JULY 82	
8. FINAL REVIEW BY		E Allen		Oct 84	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		E. Allen		OCT 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY					
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		P.S. KORUSPAN		FEB 1985	

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

COMPILATION SOURCES

TP-00956

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 10 'C'		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC R(II) INFRARED		ZONE Eastern	
☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE		DATE	TIME	SCALE	STAGE OF TIDE
76CC 4136-37		Mar 28 76	12:10	1:60,000	N/A
76CC 3856-59		Mar 23 76	15:12	1:60,000	N/A
76cc 3797-98		Mar 23 76	13:40	1:60,000	N/A
76CR 3532-34		Mar 20 76	14:29	1:40,000	-0.18 MHW
76CR 3513-17		Mar 20 76	15:53	1:40,000	-0.07 MHW
76CR 3698-3706		Mar 23 76	11:06	1:40,000	+0.15 MLLW
76CR 3679-82		Mar 23 76	10:36	1:40,000	+0.09 MLLW

REMARKS

Stage of tide based on Harve De Grace tide station.

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW infrared photographs listed in item 1.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The MLLW infrared photographs listed in item 1.

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
None	TP-00957	TP-00959	None

REMARKS

04 + 0956

3

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00056
HISTORY OF FIELD OPERATIONS.I. ☒ FIELD ~~INSPECTION~~ OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R Tibbetts	Feb 76
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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)

None

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00956
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore detail	May 82	Class III		
Final Reviewed Map	Oct 84	Class III manuscript		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____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 567 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.

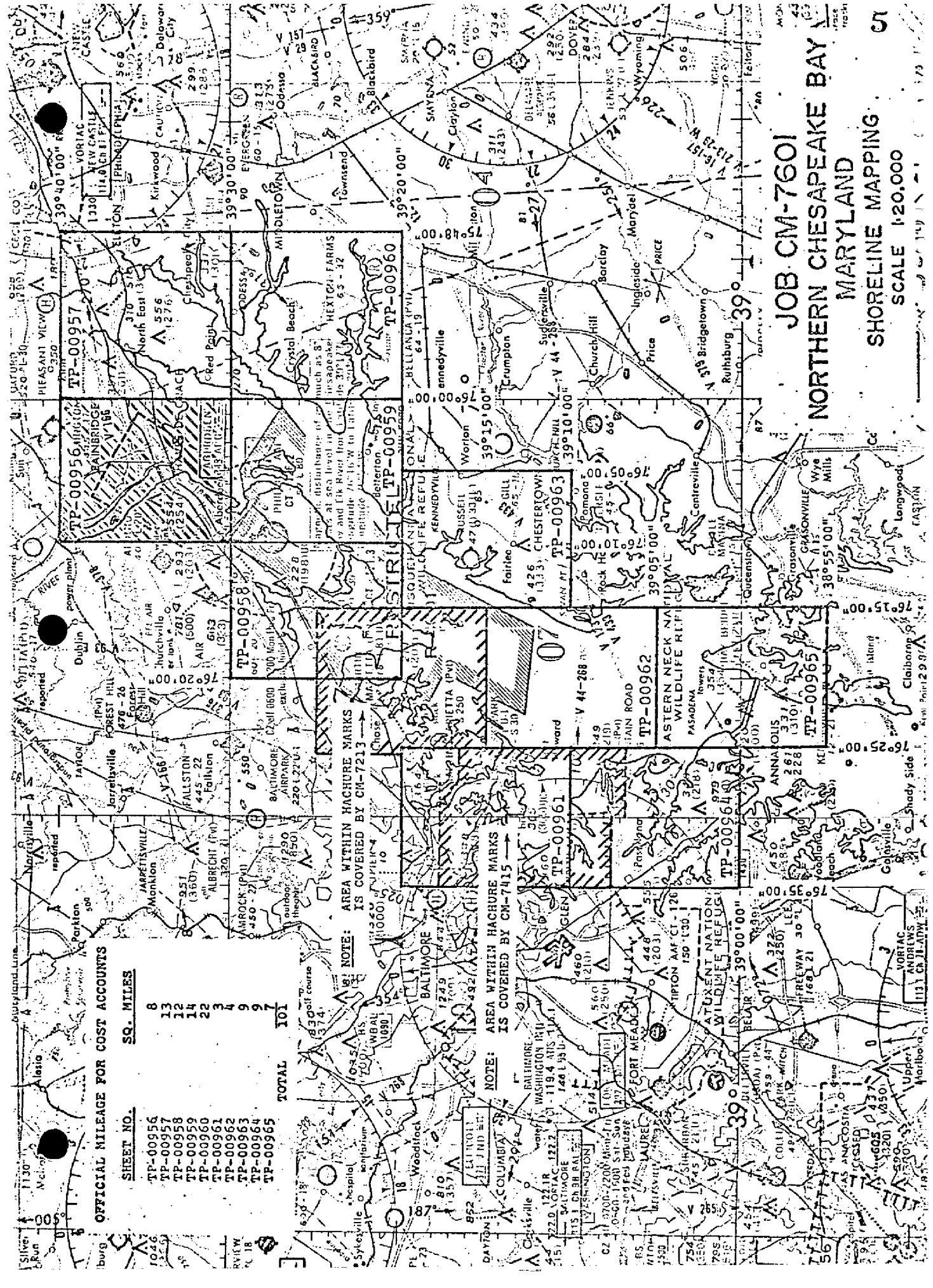
SQ. MILES

TP-00956	8
TP-00957	13
TP-00958	12
TP-00959	14
TP-00960	22
TP-00961	3
TP-00962	4
TP-00963	9
TP-00964	9
TP-00965	7
TOTAL	101

NOTE: AREA WITHIN HACHURE MARKS IS COVERED BY CN-7213

NOTE: AREA WITHIN HACHURE MARKS IS COVERED BY CN-7415

JOB CM-7601
NORTHERN CHESAPEAKE BAY
MARYLAND
SHORELINE MAPPING
SCALE 1:20,000



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00956

This 1:20,000-scale shoreline map is one of 10 maps in project CM-7601. The area covered is located in Northern Chesapeake Bay, Maryland.

Field operations consisted of aerial photography and the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. There was no field inspection performed.

Photographs were taken in March 1976 with the Wild RC-10(C) camera. These photographs were the natural color at 1:60,000 scale and supplemental infrared at 1:40,000 scale.

Seven strips of 1:60,000-scale color photographs were bridged by analytic aerotriangulation methods. The seven strips were controlled by field identified control with some additional office identified control used as checks. The aerotriangulation control proved adequate and met the National Standards of Map Accuracy.

Tide-coordinated infrared photographs were flown to be used to establish the high and low water lines.

Compilation was performed by Coastal Mapping Unit, Rockville, MD. The map planimetry was compiled using office interpretation of 1:60,000-scale color photographs on the stereoplotter. The MHW and the MLLW lines were graphically compiled from office interpretation using the infrared, ratio, tide controlled photographs. The planimetry was used as control in the compilation of the shoreline.

Final review was performed by the Coastal Mapping Unit (Rockville, MD). This map was found to be satisfactory and meets National Standards of Map Accuracy.

FIELD INSPECTION

TP-00956

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 aerotriangulation of the project.

Photogrammetric Plot Report
Northern Chesapeake Bay
CM-7601
November 16, 1977

8
8a

Area Covered

The area covered by this report is the northern part of the Chesapeake Bay from approximately the Bay Bridge north to Harve de Grace. This area is covered by ten 1:20,000 scale sheets, TP-00956 thru TP-00965.

Method

Seven strips of 1:60,000 scale color photography were bridged by analytic aerotriangulation methods. The seven strips were controlled by field-identified control with some additional office-identified control used as checks. The points read on the bridging strips are more than adequate for compilation purposes. Tie points were used in all seven strips to insure an adequate junction of all strips during the strip adjustments.

Adequacy of Control

This job was flown with the RC-10 "C" camera during the time when it was malfunctioning due to vacuum problems. Thus, an optional method of preparing the individual strips for adjustment was used. By the use of this "optional method" control checked within map accuracy standards and is sufficient for its intended use. See attached sheet for accuracy of control in strip adjustments.

One station proved to be incorrect as to its position. Station 854101 was greatly exceeding our tolerance standards, so to isolate the problem an overlapping strip with this same point was read, showing the same error as before. As a result, this point was omitted from the strips involved.

Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustment.

Photography

The coverage and overlap of the photography was adequate for the job. The quality of the photography was marginal due to the intermittent vacuum failure.

Submitted, by

Brian F. Thornton

Brian F. Thornton

Approved and forwarded:

John D. Perrow, Jr.

John D. Perrow, Jr.

Chief, Aerotriangulation Section

Accuracy of Control

	<u>POINT</u>	<u>X-ERROR</u>	<u>Y-ERROR</u>
Strip #1	805100	0.162	0.205
	808101	-0.359	-1.476
	809101	0.268	1.489
	796101	-0.071	-0.217
Strip #2	796101	0.907	0.486
	809101	0.939	2.841
	810101	-1.488	-2.526
	801100	0.247	-1.490
	802101	-0.606	-0.688
Strip #3	801101	-1.478	0.239
	802101	0.284	-1.277
	823101	-0.828	2.272
	826101	0.599	-0.453
Strip #4	829100	-0.378	-0.361
	831101	1.429	1.679
	832101	-1.153	-1.979
	833101	0.101	0.659
Strip #5	832101	0.389	-2.659
	831101	-1.809	4.281
	836101	0.974	-1.485
	838101	1.288	-1.988
	839101	0.651	2.432
	847801	-0.595	-0.580

	<u>POINT</u>	<u>X-ERROR</u>	<u>Y-ERROR</u>
Strip #6	847100	0.200	-0.384
	850101	-0.354	0.606
	856101	0.271	-0.352
	796101	-0.117	0.130
Strip #8	856101	-0.495	0.342
	853801	0.863	0.193
	851801	1.196	-1.757
	850101	-2.310	2.048
	847100	0.742	-0.832

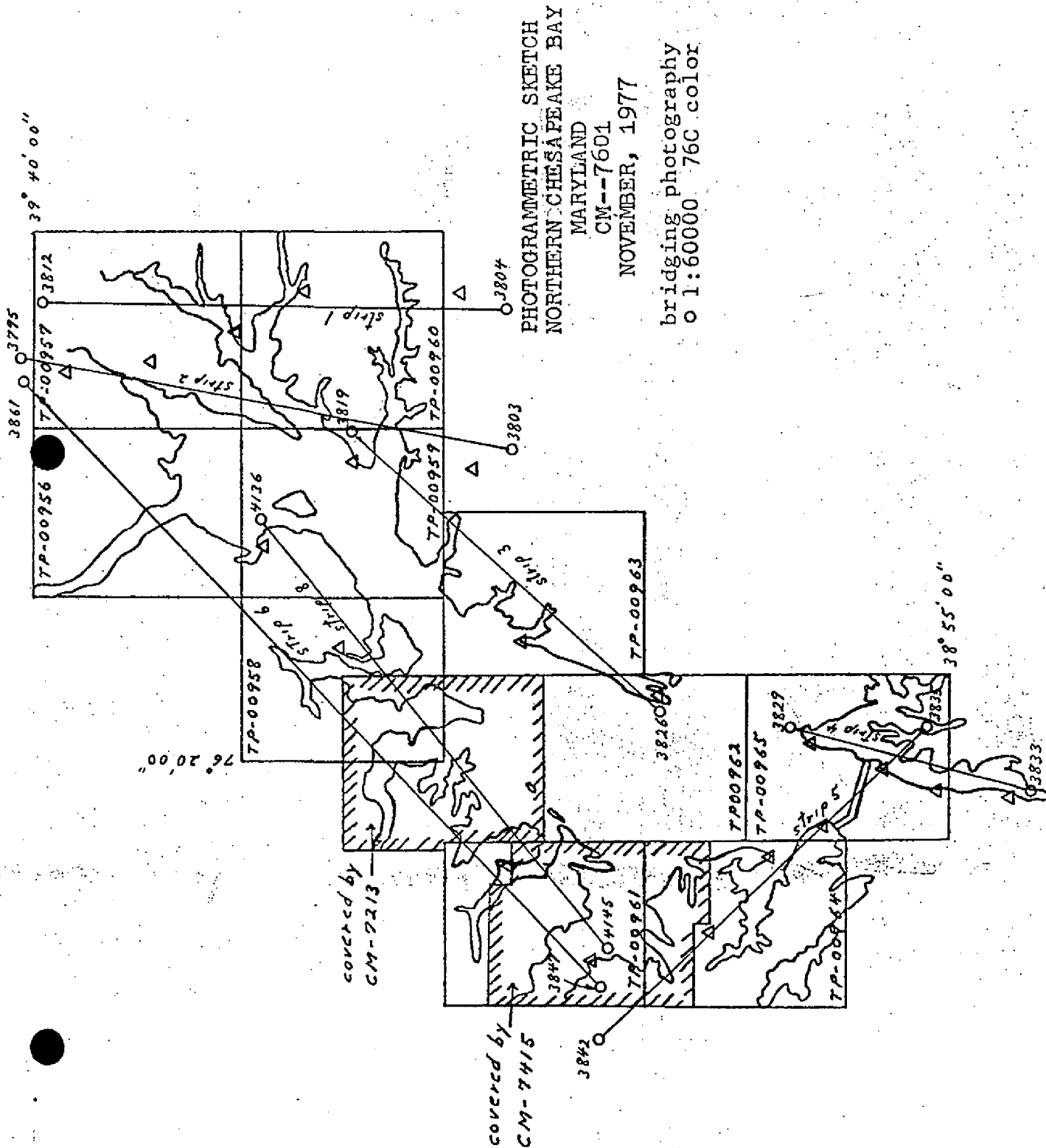
Notes to the Compiler

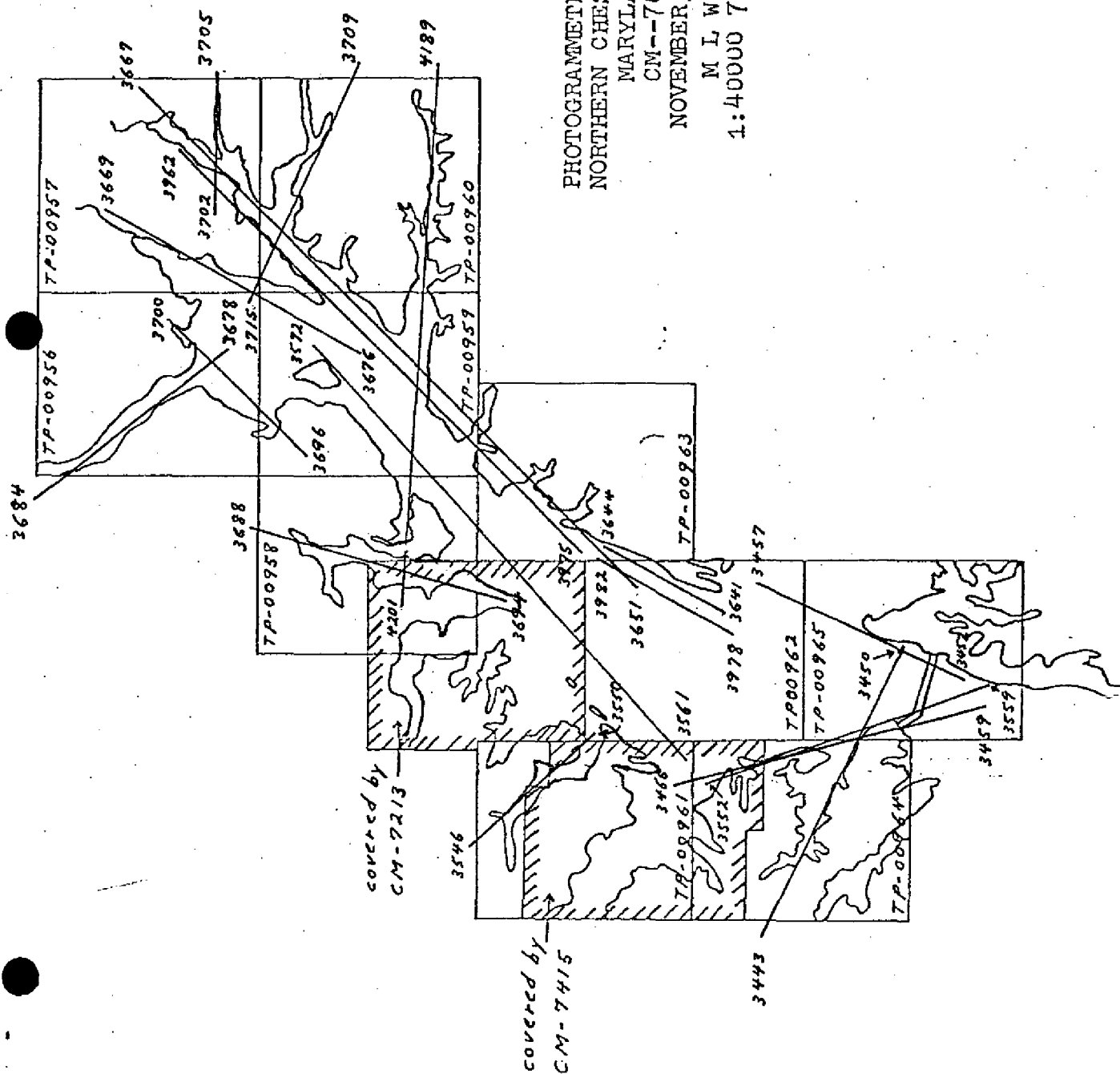
In the Descriptive Report Control Record, point 000001, Howell Point Tower #5,1918 has been deleted. This station was destroyed and a new tower was constructed approximately 60 ft. away. The new tower designated 820111 is a new position for the tower which was determined by aerotriangulation methods. The values for this position are in the remark column of the same Descriptive Report.

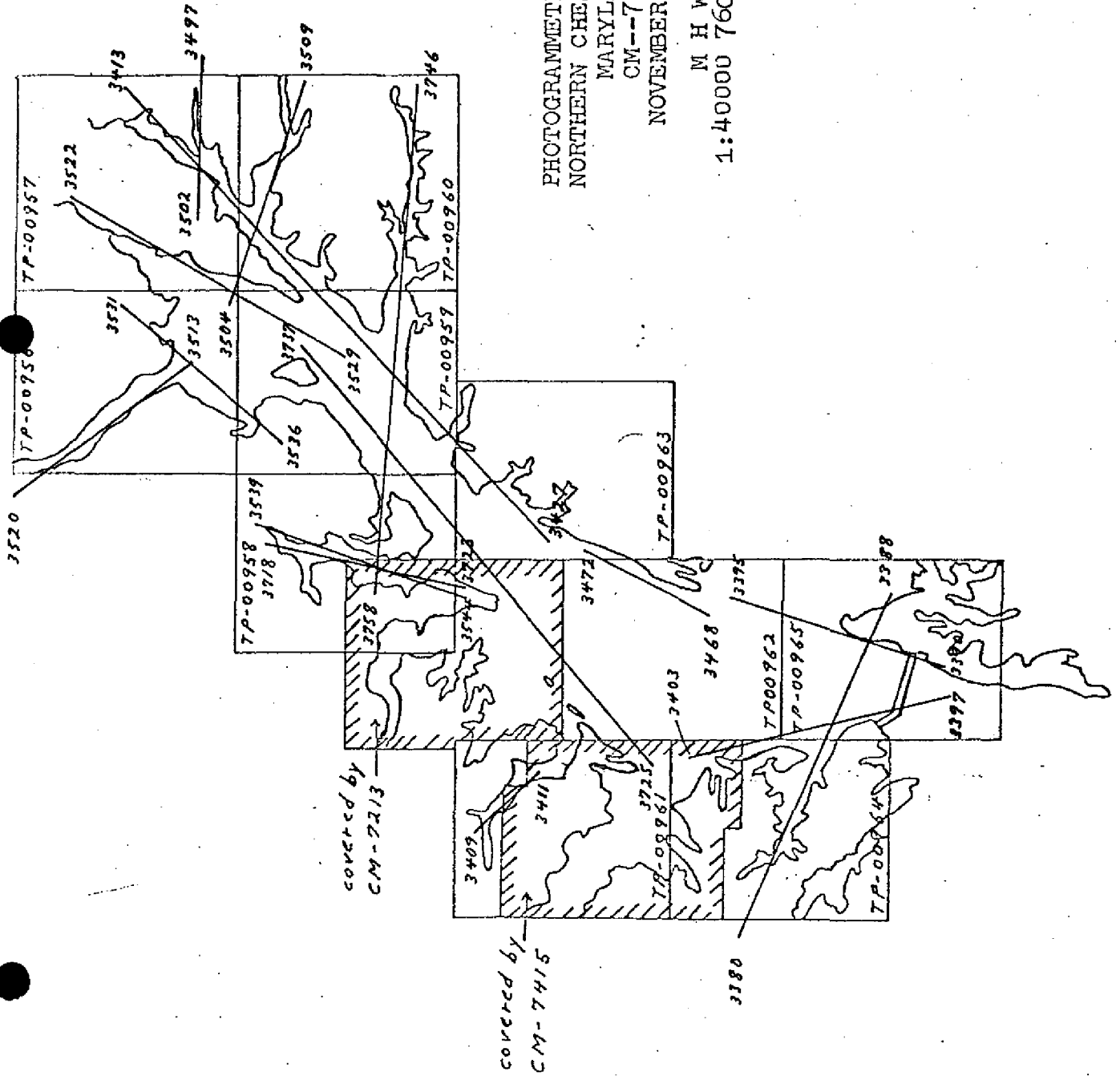
Parts of T-sheets T-00964, T-00961 have been covered by earlier projects, CM-7415 and CM-7213 respectively.

As mentioned in the aerotriangulation report, this camera was experiencing a vacuum malfunction problem during the filming of this project. As a result, during the course of your B-8 work, you may experience local parallax problems.

Strip #7 was omitted from the job because it was a duplicate flightline of strip #8.







DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00956	STATION NAME	JOB NO. CM-7601	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM NA 1927		ORIGINATING ACTIVITY Rockville, Md.		REMARKS
					COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE			
Havre DeGrace Lighthouse, 1897		GP Vol 2 P 528		858110	$x =$	ϕ 39° 32' 26.133"			
					$y =$	λ 76° 05' 06.350"			
Havre DeGrace Radio Station WASA Mast, 1958		" P 343		302	$x =$	ϕ 39° 33' 54.751"			
					$y =$	λ 76° 07' 07.772"			
Perry Point Veterans Hospital Northwest Water Tank, 1933		" P 527			$x =$	ϕ 39° 33' 18.410"			
					$y =$	λ 76° 04' 07.759"			
Perry Point Veterans Hospital Northeast Water Tank, 1958		" P 344		858111	$x =$	ϕ 39° 33' 05.731"			
					$y =$	λ 76° 04' 01.828"			
Perry Point Veterans Hospital Southwest Water Tank, 1958		" P 344			$x =$	ϕ 39° 33' 05.296"			
					$y =$	λ 76° 04' 02.466"			
Perry Point Veterans Hospital Southeast Water Tank, 1933		" P 527		858113	$x =$	ϕ 39° 33' 06.021"			
					$y =$	λ 76° 03' 36.616"			
					$x =$	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					COMPUTATION CHECKED BY		DATE	DATE	
LISTED BY	J Schad				LISTING CHECKED BY P Wright		DATE	DATE	5/82
HAND PLOTTING BY					HAND PLOTTING CHECKED BY		DATE	DATE	

Compilation Report

TP-00956

April 1982

31. Delineation

The planimetry was compiled using the Wild B-8 stereoplotter. The MHW and the MLLW lines were graphically compiled from infrared, ratio, tide controlled photographs. The planimetry was used as control in the compilation of the shoreline.

There is no photo coverage north of $39^{\circ}37'00''$ and west $76^{\circ}08'30''$ of the Susquehanna River.

32. Control

Refer to Photogrammetric Plot Report dated November 16, 1977.

33. Supplemental Data - None34. Contour and Drainage

Contour is not applicable. Drainage was delineated using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Details

The shoreline was classified and the alongshore details identified by office interpretation of the color photographs. There was no field inspection prior to map compilation.

36. Offshore Detail

The area surrounding Robert Island to Spencer Island is dominated with numerous rapids which makes it impossible to distinguish the charted rocks on the photographs.

37. Landmarks and Aids

Refer to NOAA Form 76-40. No aids were located.

38. Control for Future Surveys - None39. Junctions

Refer to NOAA Form 76-36B, Item 5.

40 thru 45. - Not Applicable

46. Comparison with Existing Maps

Aberdeen, Md., 1:24,000 scale, 1953 photorevised 1970

Harve de Grace, Md., 1:24,000 scale, 1953, photorevised 1970, 1975

47. Comparison with Existing Chart

Chart 12274, 1:40,000 scale, 20th Edition, October 3, 1981

Submitted by,

James Schad

James Schad

Approved and Forwarded:

Frank Wright

Frank Wright
Chief, Coastal Mapping Section

Review Report TP-00956
Shoreline

October 1984

61. GENERAL STATEMENT

Refer to Summary bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to Compilation Report, paragraph 46, bound with this Descriptive Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

A Comparison was made with Nautical Chart 12274, 20th Edition, Oct. 3, 1981, 1:40,000 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the project instructions and meets National Map Accuracy Standards.

67. PHOTOGRAPHS

Color photographs 1:60,000 scale were taken with the RC-10(C) camera in March 1976. Tide-coordinated, black-and-white infrared photographs (scale 1:40,000) were also taken with the "C" camera in 1976.

Submitted by:



Edward D. Allen
Cartographer

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7601 (Chesapeake Bay, Md.)

TP-00956

Aberdeen

Baker Cove

Baltimore and Ohio (RR)

Carpenter Point

Charter Hall Point
Concord Point (Ppl)
Chesapeake Bay

Conrail (RR)

Frenchtown

Furnace Bay

Garrett Island

Gasheys Creek

Havre de Grace

High Point

Lapidum

Mill Creek

Northeast River

Perry Point (Ppl)

Perryville

Poplar Point

Port Deposit

Principio Creek

Principio Furnace

Robert Island

Rock Run (Ppl)

Shipleigh Point

Snake Island

Spencer Island

Steel Island

Stump Point

Susquehanna River

Swan Creek

Swan Creek (Ppl)

Wood Island

Approved by:
Charles E. Harrington
Charles E. Harrington
Chief, Geographer, C3x5

Dissemination of Project Material
CM-7601
Northern Chesapeake Bay

National Archives/Federal Records Center

Job Completion Report

Brown Jacket

Aerotriangulation Photographs

Photogrammetric Plot Report Copy

Computer Listings

Tide Data

Field Control Reports

NOAA Form 76-52 (Observation of Horizontal Direction)

NOAA Form 76-53 (Control Identification Cards)

NOAA Form 76-41 (Descriptive Report Control Record)

NOAA Form 76-77 (Leveling Record - Tide Stations)

NOAA Form 76-68

NOAA Form 76-72

NOAA Form 76-15 (Photographic Flight Report)

Bureau Archives

Registered Map

Descriptive Report

Reproduction Division

8x Reduction negative of Map

Office of Staff Geographer

Geographic Names Standards

PHOTOGRAMMETRIC BRANCH
PHOTOGRAMMETRY DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

DATA TAB
VERSION
782707

* SVY TP-00956 *
* JOB CM-7601 *
* PRJ . *
* DTM NA 1927 *

* RPT UNIT CMD, ROCKVILLE, MD. *
* STATE MARYLAND *
* LOCALITY CHESAPEAKE BAY *
* DATE 08/11/82 *

* PAGE 1 OF 2

* ORIGINATING ACTIVITY
* COMPILATION

* POSITIONS DETERMINED
* AND/OR VERIFIED BY
* FIELD AND OFFICE
* ACTIVITIES

* JAMES E. SCHAD
* JEFF C. MOLER
* JEFF C. MOLER

* FIELD REPRESENTATIVE
* OFFICE COMPILER
* DIGITIZER
* DATA PROCESSOR

KEY FOR ENTRIES UNDER METHOD AND DATE OF LOCATION

OFFICE

1. OFFICE IDENTIFIED AND LOCATED OBJECTS.
THE NUMBER AND DATE (INCLUDING MONTH, DAY
AND YEAR) OF THE PHOTOGRAPH USED TO
IDENTIFY AND LOCATE THE OBJECT ARE SHOWN.
EXAMPLE 75E(C)6042
8-12-77

FIELD (CONT'D)

B. PHOTOGRAMMETRIC FIELD POSITIONS** SHOW
THE METHOD OF LOCATION OR VERIFICATION,
DATE OF FIELD WORK AND NUMBER OF PHOTO-
GRAPH USED TO LOCATE AND IDENTIFY THE
OBJECT.
EXAMPLE P-8-V
8-12-77
74L(C)2982

FIELD

1. NEW POSITION DETERMINED OR VERIFIED

KEY TO SYMBOLS

F-FIELD P-PHOTOGRAMMETRIC
L-LOCATED VIS-VISUALLY
V-VERIFIED
1-TRIANGULATION 5-FIELD IDENTIFIED
2-TRAVERSE 6-THEODOLITE
3-INTERSECTION 7-PLANETABLE
4-RESECTION 8-SEXTANT

A. FIELD POSITIONS* SHOW THE METHOD OF
LOCATION AND DATE OF FIELD WORK.

EXAMPLE F-2-6-L
8-12-76

* FIELD POSITIONS ARE DETERMINED BY FIELD
OBSERVATIONS BASED ENTIRELY UPON GROUND
SURVEY METHODS

2. TRIANGULATION STATION RECOVERED
WHEN A LANDMARK OR AID WHICH IS ALSO A TRI-
ANGULATION STATION IS RECOVERED, A TRIANG.
REC. WITH DATE OF RECOVERY IS SHOWN.
EXAMPLE TRIANG. REC.
8-12-76

3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
SHOWN BY 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.

* NOTE: WHERE THE NAME OF AN AID INCLUDES THE IMMEDIATE GEOGRAPHIC HEADING UNDER WHICH IT IS LISTED,
A DASH (-) IS USED TO INDICATE THE GEOGRAPHIC HEADING WHICH IS PART OF THE OFFICIAL NAME.

PHOTOGRAMMETRIC BRANCH
PHOTOGRAMMETRY DIVISION

NATIONAL OCEAN SURVEY
DEPARTMENT OF COMMERCE USA

76-40
LISTING

* SVY TP-00956 * RPT UNY CMD, ROCKVILLE, MD. * PAGE 2 OF 2 *
* JOB CM-7601 * STATE MARYLAND *
* PRJ * LOCALITY CHESAPEAKE BAY * ORIGINATING ACTIVITY *
* DTM NA 1927 * DATE 08/11/82 * COMPILATION *

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

* DESCRIPTION * POSITION * CMD * METHOD AND DATE *
* CHARTING * RECORD REASON FOR DELETION * LATITUDE DM ALTEK * OF LOCATION * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE DP DGTZD * OFFICE * FIELD * AFFECTED *

ONLY CHARTED LANDMARKS OR AIDS OFFICE IDENTIFIABLE ON
COMPILATION PHOTOGRAPHS ARE SHOWN.

* ABAND * (HAVRE DE GRACE LIGHTHOUSE, * 39 32 26.13 805.8 NOT * TRIANG *
* LT HO * 1897) * 76 05 06.35 151.6 DGTZD *

* TANK * * 39 33 13.20 407.1 * 76CC3857 *
* * 76 05 28.29 675.4 * 03/23/76 * 12274 *

* RADIO * (HAVRE DE GRACE RADIO STATION * 39 33 54.75 1688.5 NOT * TRIANG *
* TOWER * WASA MAST, 1958) * 76 07 07.77 185.5 DGTZD *

* TANK * * 39 34 30.64 944.9 * 76CC3858 *
* * 76 03 36.19 863.8 * 03/23/76 * 12274 *

* TANK * (PERRY POINT VETERANS HOSPITAL * 39 33 18.41 567.8 NOT * TRIANG *
* ELEV * NORTHWEST WATER TANK, 1933) * 76 04 07.76 185.3 DGTZD *

* TANK * (PERRY POINT VETERANS HOSPITAL * 39 33 06.02 185.7 NOT * TRIANG *
* * SOUTHEAST WATER TANK, 1933) * 76 03 36.62 874.3 DGTZD *

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RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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]