

T P-00959

T P. 00959

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-00959

Classification No. Edition No. 1

Class 111

LOCALITY

State Maryland

General Locality Northern Chesapeake Bay

Locality Spesutie Island

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.		TYPE OF SURVEY		SURVEY TP. 00959	
DESCRIPTIVE REPORT - DATA RECORD				☒ ORIGINAL		MAP EDITION NO. (1)	
				☐ RESURVEY		MAP CLASS 111	
				☐ REVISED		JOB CM RR -7601	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Rockville, Md.				TYPE OF SURVEY		JOB PH-	
OFFICER-IN-CHARGE				☐ ORIGINAL		MAP CLASS	
W Simmons				☐ RESURVEY		SURVEY DATES:	
				☐ REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation 21 Oct 1976				Control Premarking 2 March 1976			
Compilation 7 Dec 1978				Supplement #1 28 May 1976			
Change #1 22 June 1981							
II. DATUMS							
1. HORIZONTAL: ☒ 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: ☒ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☒ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL				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 1977	
METHOD: Analytic LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S Solbeck		Dec 1978	
METHOD: Coradomat CHECKED BY							
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				J Schad		Dec 1981	
COMPILATION CHECKED BY				P Dempsey		Dec 1981	
INSTRUMENT: Wild B-8				CONTOURS BY		None	
SCALE: 1:20,000				CHECKED BY			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J Schad		Jan 1982	
CHECKED BY				F Wright		Feb 1982	
METHOD: Smooth Drafted				CONTOURS BY		None	
SCALE: 1:20,000				CHECKED BY			
HYDRO SUPPORT DATA BY				None			
CHECKED BY							
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F Wright		Feb 1982	
CHECKED BY				None			
6. APPLICATION OF FIELD EDIT DATA BY							
CHECKED BY							
7. COMPILATION SECTION REVIEW BY				F Wright		Feb 1982	
8. FINAL REVIEW BY				E Allen		Oct 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				"		OCT 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. S. KORNSPAN		FEB 1985	

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

COMPILATION SOURCES

TP-00959

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 10 "C"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	☒ STANDARD
				MERIDIAN 75th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
76CC 3818-21	Mar 23 76	14:13	1:60,000	N/A	
76CC 4135-37	Mar 28 76	12:10	1:60,000	N/A	
See form 76-36B(1) for infrared photography					

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW infrared photographs listed on form 76-36B(1)

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

The MLLW infrared photographs listed on form 76-36B(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
TP-00956	TP-00960	TP-00963	TP-00958
REMARKS			

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP - 00959

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
76CR 3484-3488	Harve De Grace	-0.03 MHW	
76CR 3528-3529	"	-0.15 MHW	
76CR 3535-3536	"	-0.18 MHW	
76CR 3734-3735	Baltimore, South End	-0.08 MHW	
76CR 3751	"	+0.02 MHW	
76CR 3570-3571	"	-0.10 MLLW	
76CR 3656-3660	Harve De Grace	+0.06 MLLW	
76CR 3675-3676	"	+0.05 MLLW	
76CR 3696-3697	"	+0.15 MLLW	
76CR 4195-4197	Baltimore	-0.29 MLLW	

REMARKS:

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

TP-00959

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R Tibbetts	Mar 1976
2. HORIZONTAL CONTROL	RECOVERED BY R Tibbetts ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY L Davis	Mar 1976
3. VERTICAL CONTROL	RECOVERED BY N/A ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R Tibbetts LOCATED (Field Methods) BY N/A IDENTIFIED BY N/A	Mar 1976
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N/A	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premarked

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76 CC 4136	Aberdeen Proving Grounds		
76 CC 3803	Water Tank, 1958 Sub Pt. A		
76 CC 3801	Still Pond, 1936 Sub Pt. A		
	(A) (3 point Fix) 1976		

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-Forms 76-53 2-Forms 76-67
1 Form 266 2-Forms 269C

NOAA FORM 76-36D
(3-72)TP-00959
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore detail	Dec 81	Class 111		
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	

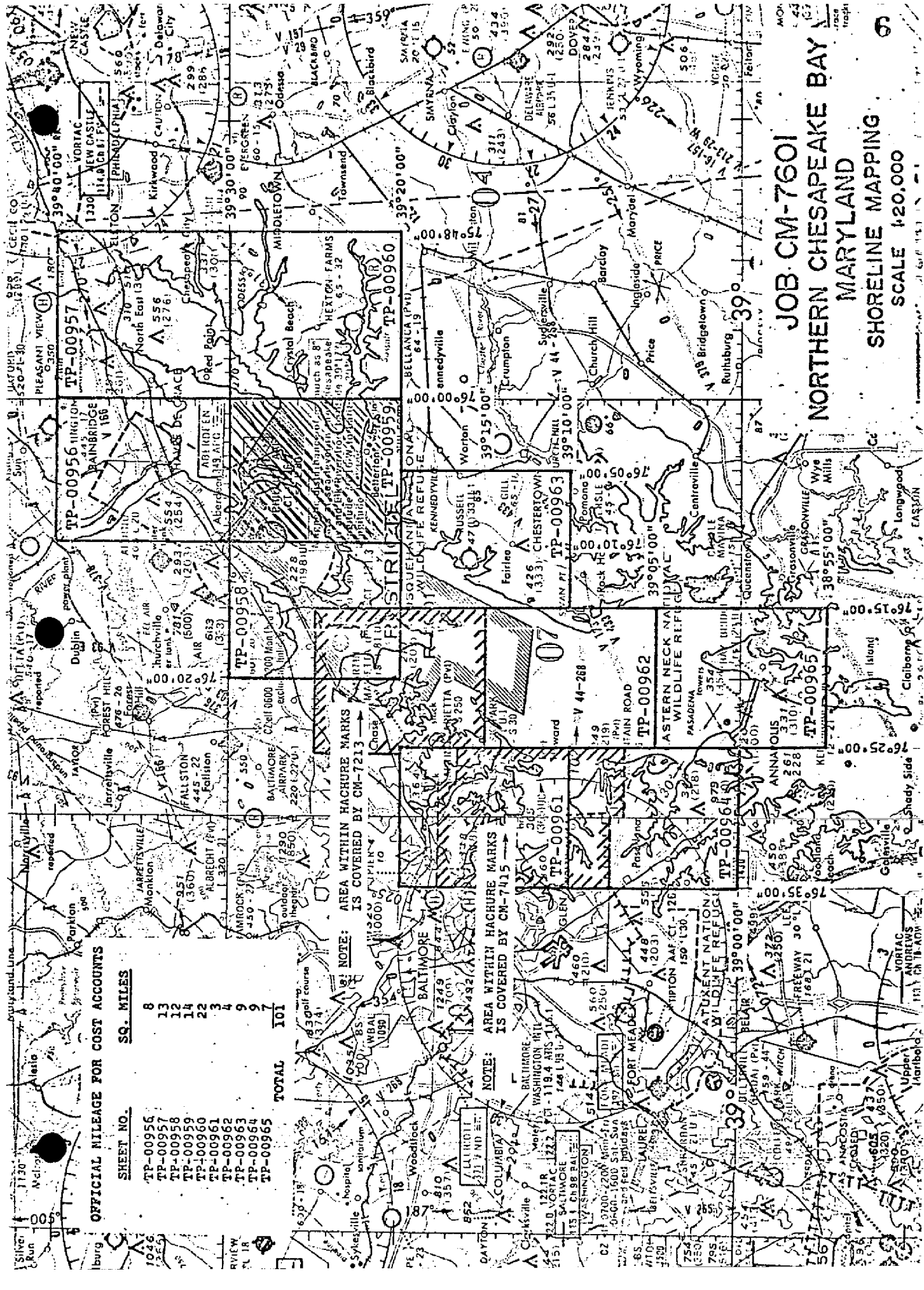
OFFICIAL MILEAGE FOR COST ACCOUNTS

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	101
TOTAL	101

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

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

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



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00959

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-00959

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

9

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

	<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

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

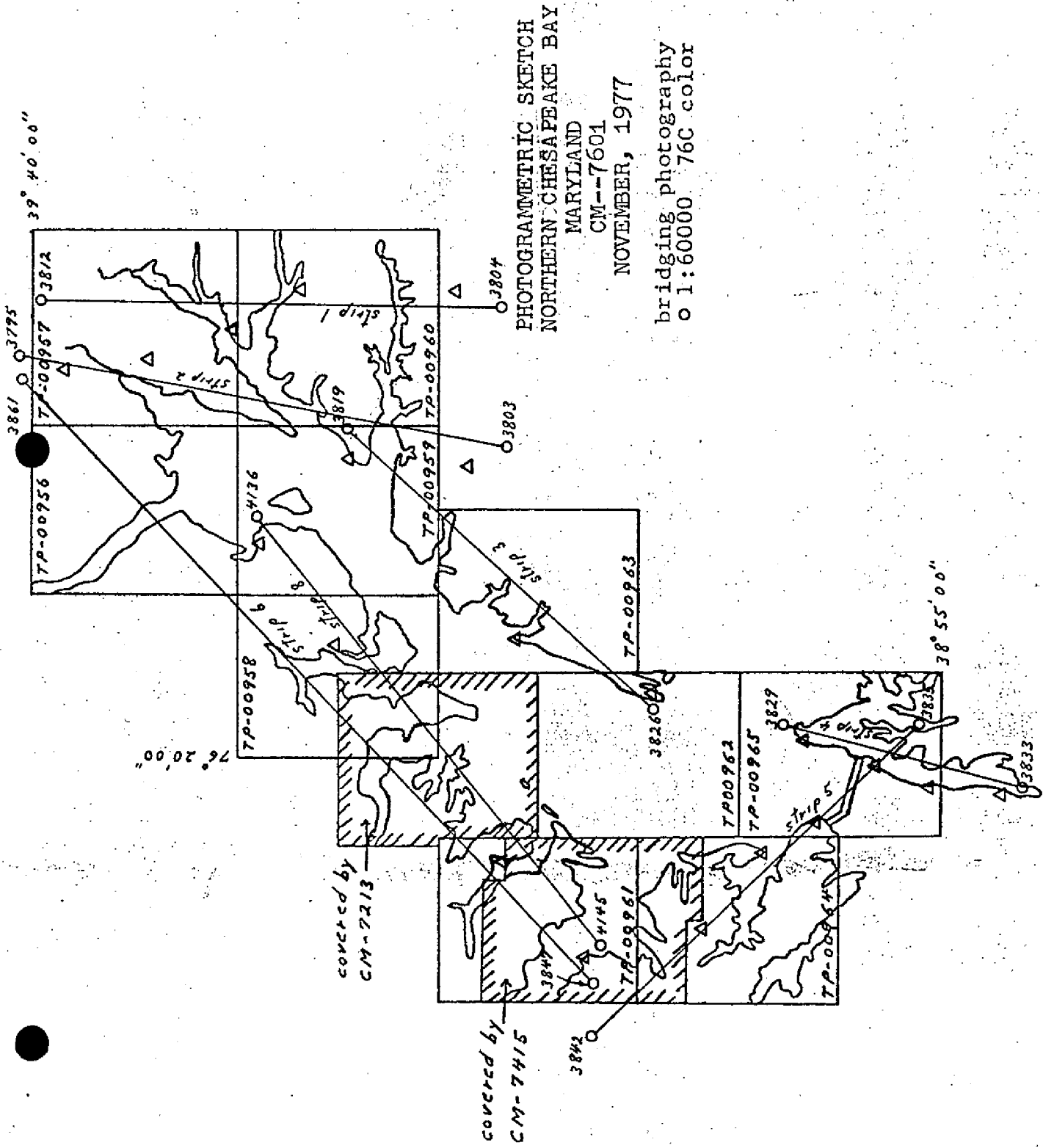
Notes to the Compiler

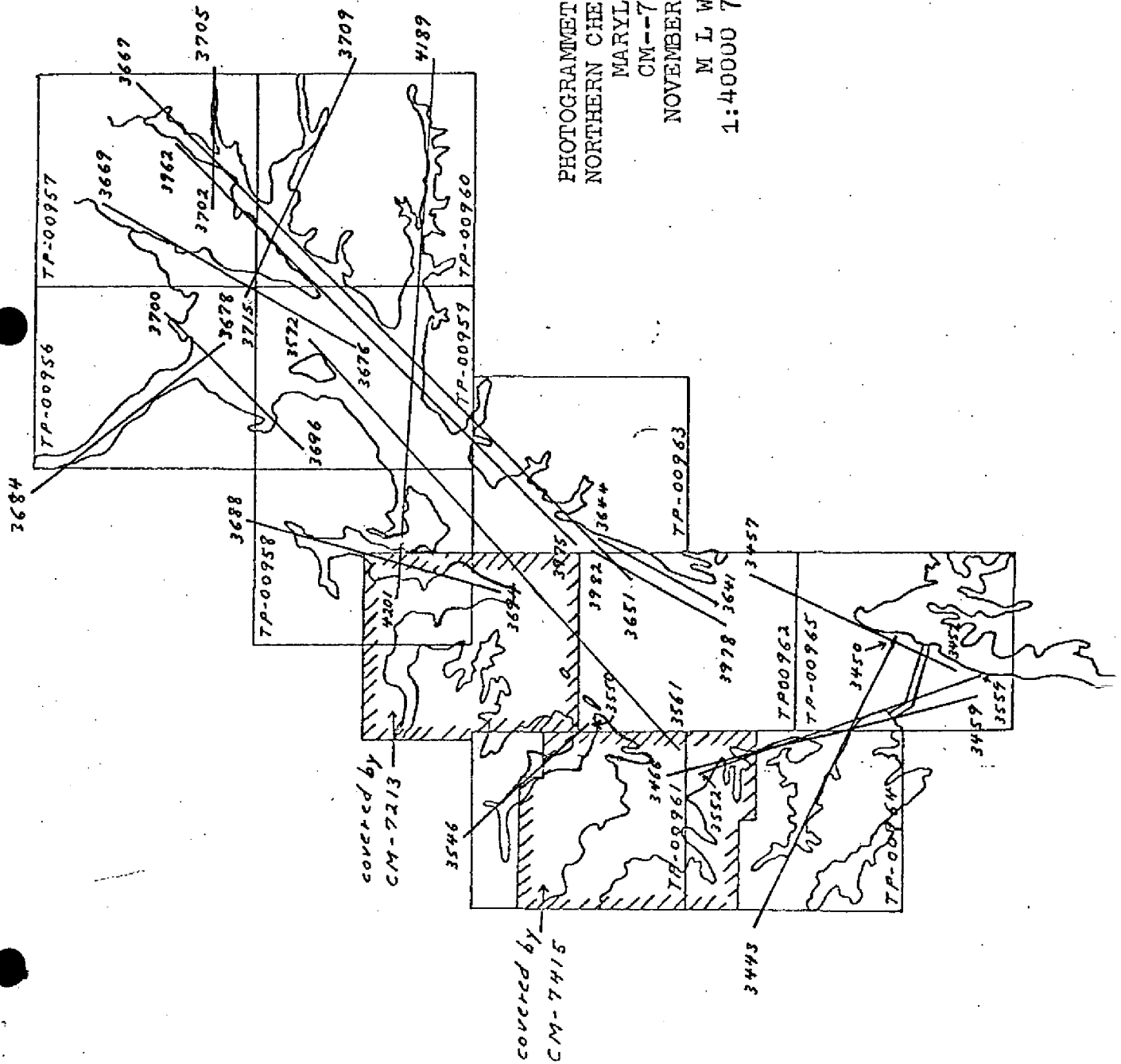
In the Descriptive Report Control Record, point 000001, Howell Point Tower #5, 1918 has been deleted. This station was destroyed and a new tower was constructed approximately 60 ft. away. The new tower designated 820111 is a new position for the tower which was determined by aerotriangulation methods.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

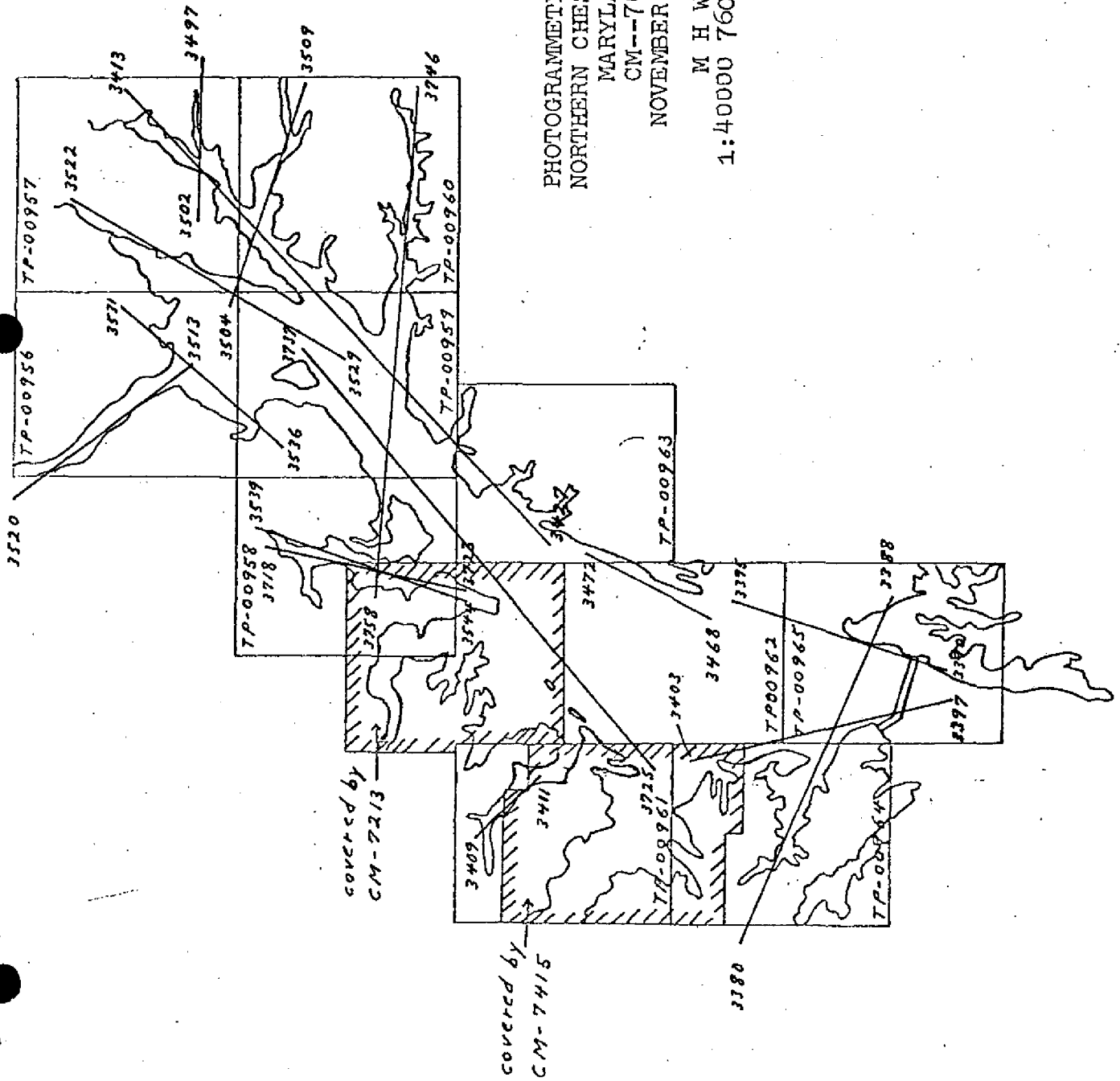
Parts of T-sheets T-00964, T-00961 have been covered by earlier projects, CM-7415 and CM-7213 respectively.

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 flight line of strip #8.







DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS	
			CM-7601	NA 1927		STATE ZONE	X=	Y=	ϕ LATITUDE λ LONGITUDE		
TP-00959											
Meeks Point Tower No. 6, 1918	GP Vol 1 P 507					X=		ϕ 39°21'04.898"			
Grove Neck Channel South Front Range Light, 1939	" P 635					Y=		λ 76°08'00.021"			
Turkey Point Lighthouse, 1844	GP Vol 2 P 549	800110				X=		ϕ 39°26'59.174"			
Grove Neck Channel South Rear Range Light, 1939	" P 635					Y=		λ 76°00'31.523"			
Aberdeen Proving Grounds Parachute Tr.W.Light, 1962	" P 558					X=		ϕ 39°20'49.438"			
Pier 2, 1962	" P 554					Y=		λ 76°06'36.185"			
Pier 1, 1962	" P 553					X=		ϕ 39°26'51.534"			
Aberdeen Proving Grounds South Water Tank, 1962	" P 558					Y=		λ 76°05'25.236"			
Aberdeen Proving Grounds Water Tank, 1958	" P 351	856100				X=		ϕ 39°28'18.633"			
Swan Meadow Water Tank, 1945	" P 560	856110				Y=		λ 76°04'14.810"			
COMPUTED BY						X=		ϕ 39°28'39.831"			
						Y=		λ 76°06'42.339"			
						X=		ϕ 39°29'01.932"			
						Y=		λ 76°07'51.991"			
						X=		ϕ 39°29'58.165"			
						Y=		λ 76°09'37.836"			
LISTED BY						COMPUTATION CHECKED BY					DATE
HAND PLOTTING BY						LISTING CHECKED BY F Wright					DATE 2/82
						HAND PLOTTING CHECKED BY					DATE

Compilation Report

TP-00959

31. Delineation

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

The infrared photography was not adequate to delineate the MLLW line in Back Creek and Spesutic Island.

32. Control

Refer to the Photogrammetric Plot Report dated November 16, 1977.

33. Supplemental Data - None34. Contours and Drainages

Contours are not applicable. Drainage was delineated using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Details

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

36. Offshore Details

Ruins were located offshore from Betterton $39^{\circ}22.3'$ - $76^{\circ}02.8'$.

37. Landmarks and Aids

Refer to NOAA Form 76-40. Grove Point lights(2) were rebuilt after the 1976 photography.

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

Hanesville, Md., 1:24,000 scale, 1948

Betterton, Md., 1:24,000 scale, 1948

Spesutie, Md., 1:24,000, 1948, revised 1970

47. Comparison with Existing Charts

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-009⁵⁹
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

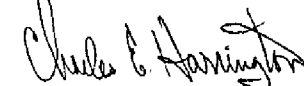
FINAL NAME SHEET

CM-7601 (Chesapeake Bay, Md.)

TP-TP-00959

Back Creek	Meeks Point
Bear Point	Mosquito Creek
Betterton	Mulberry Point
Black Point	Old Woman Gut
Brier Point	Plum Point
Buzzards Glory	Pond Creek
Cedar Point	Pond Neck
Cherry Tree Point	Rocky Point
Chesapeake Bay	Sands Cove
Codjus Cove	Sandy Point
Delph Creek	Sassafras River
Dipper Creek	Spesutie Island
Elk Neck	Spesutie Narrows
Elk River	Still Pond
Fishing Battery	Stillpond Creek
Grove Neck	Stillpond Neck
Grove Point	Stony Point
High Point	Swan Creek
Howell Point	Swan Creek Point
Johnson Point	Turkey Point
Little Mosquito Creek	Woodrest Creek
Little Romney Creek (1)	
Little Romney Creek (2)	
Lloyd Creek	
Locust Point	

Approved by:



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

DATATAB
VERSION
782707

SVY	TP-00959	*
JOB	CM-7601	*
PRJ	.	*
DTM	NA 1927	*

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

PAGE 1 OF 4

INATING ACTIVITY
COMPI LATION

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 PROCESSER

KEY FOR ENTRIES UNDER METHOD AND DATE OF LOCATION

* FIELD(CONT.D)

(CONT,D)
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

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

1. NEW POSITION DETERMINED OR VERIFIED

KEY TO SYMBOLS

F-FIELD
L-LOCATED
P-PHOTOGRAMMETRIC
VIS-VISUALLY

1-TRIANGULATION
2-TRAVERSE
3-INTERSECTION
4-RESECTION
5-FIELD IDENTIFIED
6-THEODOLITE
7-PLANETABLE
8-SEXTANT

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

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.

3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH SHOWN BY V-VIS AND DATE.

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

**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.

76-40

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PHOTOGRAMMETRY DIVISIONNATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USADATATAB
VERSION
782707

LISTING

* SVY	* TP-00959	* NONFLOATING AIDS FOR CHARTS	* RPT UNIT	* CMD, ROCKVILLE, MD.	* STATE	* MARYLAND	* DATE	* 08/11/82	* LOCALITY	* CHESAPEAKE BAY	* ORIGINATING ACTIVITY	* COMPILATION	* PAGE	* 2 OF 4	* CHARTS	* AFFECTED
* JOB	* CM-7601	* TO BE CHARTED	* LATITUDE	* DM	* ALTEK	* OP	* DGTZD	* OFFICE	* FIELD	* CHARTS	* AFFECTED	* COMPILATION	* PAGE	* 2 OF 4	* CHARTS	* AFFECTED
* PRJ	* NA 1927		* LONGITUDE	* OP	* DGTZD	* OFFICE	* FIELD	* CHARTS	* AFFECTED	* COMPILATION	* PAGE	* 2 OF 4	* CHARTS	* AFFECTED	* COMPILATION	* PAGE
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *																
* DESCRIPTION * POSITION * METHOD AND DATE * CHARTING * RECORD REASON FOR DELETION * LATITUDE * DM * ALTEK * OP * DGTZD * OFFICE * FIELD * CHARTS * NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE * OP * DGTZD * OFFICE * FIELD * CHARTS * AFFECTED *																
* ONLY CHARTED LANDMARKS OR AIDS OFFICE IDENTIFIABLE ON * * * * *																
* COMPILATION PHOTOGRAPHS ARE SHOWN. * * * * *																
* UPPER CHESAPEAKE CHANNEL * * * * *																
* MECKS POINT LIGHT (MECKS POINT * 39 21 04.90 151.1 NOT * TRIANG * * * * *																
* TOWER NO.6,1918) * 76 08 00.02 * 5 DGTZD * * * * *																
* ELK RIVER * * * * *																
* SOUTH RANGE F LT (GROVE NECK * 39 22 12.14 374.4 NOT * TRIANG * * * * *																
* CHANNEL SOUTH F RANGE LT,1939) * 76 04 59.50 1424.3 DGTZD * * * * *																
* SOUTH RANGE R LT (GROVE NECK * 39 20 49.44 1524.7 NOT * TRIANG * * * * *																
* CHANNEL SOUTH R RANGE LT,1939) * 76 06 36.18 866.3 DGTZD * * * * *																
* TURKEY POINT LIGHT * 39 26 59.17 1824.8 NOT * TRIANG * * * * *																
* (TURKEY POINT LIGHTHOUSE,1844) * 76 00 31.52 753.7 DGTZD * * * * *																
* SPESUTIE NARROWS * * * * *																
* ABERDEEN PROVING GROUND CHAN * * * * *																
* INNER RANGE FRONT LIGHT * 39 26 48.87 1507.1 * 76CC4137 * * * * *																
* -LIGHT * * 76 06 00.22 5.3 * * 03/28/76 * * * * *																
* * * * *																
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* SVY	* TP-00959	* NONFLOATING AIDS FOR CHARTS	* RPT UNIT	* CMD. ROCKVILLE,MD.	* PAGE	* 3 OF	* 4	* *
* JOB	* CM-7601	* TO BE CHARTED	* STATE	* MARYLAND	* *	* *	* *	* *
* PRJ	* .		* LOCALITY	* CHESAPEAKE BAY	* ORIGINATING	* ACTIVITY*		
* DTM	* NA 1927		* DATE	* 08/11/82	* *	* *	* *	* *

* 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	ALTEK*	OF LOCATION	* CHARTS *
* NAME *	PUT TRIANGULATION NAMES IN ()	* *	LONGITUDE	DGTZD*	OFFICE *	FIELD *AFFECTED*

[illegible]

* * *	INNER	RANGE	REAR	LIGHT	* * *
* *	39	26	53.40	1646.8	*76CC4137 *
* *	76	06	02.90	69.3	* 03/28/76 *
* * *					* 12274 *

* * *	MULBERRY POINT LIGHT	* 39 26 46.25	1426.3	* 76CC4137	* *	12274 *
* * *	LIGHT	* 76 06 11.80	282.2	* 03/28/76	* *	

[illegible]

*	FISHING BATTERY LIGHT (FISHING	* 39 29 40.16	1238.5	NOT *	TRIANG	*
**	BATTERY LIGHTHOUSE,1933)	* * 76 05 01.41	33.7	DGI2D*		* 12274 **

[illegible][illegible]

[illegible][illegible]

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* SVY	* TP-00959	* LANDMARKS FOR CHARTS	* RPT UNIT	* CMD, ROCKVILLE, MD.	* PAGE	* 4 OF	* 4
* JOB	* CM-7601	* TO BE CHARTED	* STATE	* MARYLAND	* ORIGINATING	* ACTIVITY	*
* PRJ	* .		* LOCALITY	* CHESAPEAKE BAY	* COMPILATION	*	*
* DTM	* NA 1927		* DATE	* 08/11/82			
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *							
* CHARTING*	RECORD REASON FOR DELETION	* LATITUDE	DM	ALTEK*	METHOD AND DATE	* CHARTS	*
* NAME	* PUT TRIANGULATION NAMES IN ()	* LONGITUDE	DP	DGTZD*	OFFICE	* FIELD	* AFFECTED*
* (ABERDEEN PROVING GROUNDS							
* TANK	* WATER TANK, 1958)	* 39 29 01.95	60.1	NOT *	TRIANG	* 12274	*
		* 76 07 51.99	1242.5	DGTZD*			
* (ABERDEEN PROVING GROUNDS							
* TOWER	* SOUTH WATER TANK, 1962)	* 39 28 39.83	1228.3	NOT *	TRIANG	* 12274	*
		* 76 06 42.34	1012.0	DGTZD*			
* (SWAN MEADOW WATER TANK, 1945)							
* TANK		* 39 29 58.16	1793.6	NOT *	TRIANG	* 12274	*
		* 76 09 37.84	904.1	DGTZD*			
* RADIO							
* TOWER		* 39 28 24.14	744.5		*76CC4136	* 12274	*
		* 76 04 31.39	750.3		* 03/28/76		
* TOWER							
		* 39 27 01.70	52.4		*76CC4137	* 12274	*
		* 76 03 54.36	1299.8		* 03/28/76		
* TOWER							
		* 39 26 45.09	1390.5		*76CC4137	* 12274	*
		* 76 04 36.93	883.1		* 03/28/76		
* TOWER							
		* 39 26 52.04	1604.9		*76CC4137	* 12274	*
		* 76 05 25.57	611.4		* 03/28/76		
* TOWER							
		* 39 20 06.44	198.6		*76CC8321	* 12274	*
		* 76 09 24.47	586.0		* 03/23/76		
* TOWER							
		* 39 22 13.44	414.5		*76CC8321	* 12274	*
		* 76 06 27.80	665.5		* 03/23/76		
* TANK							
		* 39 21 59.08	1822.0		*76CC8321	* 12274	*
		* 76 03 42.67	1021.5		* 03/23/76		

