T P-00965

T P 00965

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-00965

Classification No. Class III *Edition No.* 1

LOCALITY

State Maryland

General Locality Northern Chesapeake Bay

Locality Kent Island

1976 TO 19

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

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.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 00965

MAP EDITION NO. (1)

MAP CLASS 111

JOB CM MX-7601

PHOTOGRAMMETRIC OFFICE: Rockville, Md.

OFFICER-IN-CHARGE: W Simmons

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	21 Oct 1976	Control Premarking	2 Mar 1976
		Supplement #1	28 May 1976
Compilation	12 Dec 1978		
Ammendment #1	23 June 1981		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER; [ ] MEAN LOW-WATER; [X] MEAN LOWER LOW-WATER; [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Lambert Conformal

4. GRID(S): STATE: Maryland; ZONE:

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	B Thornton	Nov 77
METHOD: Analytic	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	S Solbeck	Dec 78
METHOD: Coradomat	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	J Schad	Jun 81
	CHECKED BY	J TAylor	Jun 81
INSTRUMENT: NOSAP	CONTOURS BY	N/A	
SCALE: 1:20,000	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	J Schad	Jul 81
	CHECKED BY	J Taylor	Oct 81
(Smooth Drafted)	CONTOURS BY	N/A	
METHOD:	CHECKED BY		
	HYDRO SUPPORT DATA BY	N/A	
SCALE: 1:20,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J Taylor	Oct 81
6. APPLICATION OF FIELD EDIT DATA	BY	N/A	
	CHECKED BY		
7. COMPILATION SECTION REVIEW	BY	F Wright	Jun 82
8. FINAL REVIEW	BY	E Allen	Oct 84
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 76-36A — SUPERSEDES FORM C&GS 161 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

COMPILATION SOURCES

TP-00965

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC 10 "C"

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(R) INFRARED

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 75th — [ ] DAYLIGHT

TIDE STAGE REFERENCE
[ ] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[X] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
76CC 3829-32	Mar 23 76	14:30	1:60,000	N/A
76CC 3836-38	Mar 23 76	14:52	1:60,000	N/A
76(R)3386-88	Mar 20 76	09:24	1:40,000	-0.32 MHW*
76(R)3390-92	Mar 20 76	09:37	1:40,000	-0.17 MHW*
76(R)3397-99	Mar 20 76	09:54	1:40,000	-0.13 MHW**
76(R)3556-59	Mar 20 76	15:11	1:40,000	-0.06 MLLW**
76(R)3448-50	Mar 20 76	12:05	1:40,000	+0.21 MLLW*
76(R)3459-61	Mar 20 76	12:31	1:40,000	+0.08 MLLW*
76(R)3452-55	Mar 20 76	12:16	1:40,000	+0.14 MLLW*

REMARKS
*Stage of tide based on Matapeake tide guage.
**Stage of tide based on Baltimore,North End, tide guage.

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW infrared photographs listed in item 1 except for Crab Alley Creek, Crab Alley Bay, and the areaof Hog Island which were compiled from office interpertation of the color 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
TP-00962	None	PH-6001	TP-00964

REMARKS

* U.S. G.P.O. 1972-769381/568 REG.#6

NOAA FORM 76-36C
(3-72)

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

TP-00965

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R Tibbetts	Feb 1976
2. HORIZONTAL CONTROL	RECOVERED BY	R Tibbetts	Feb 1976
	ESTABLISHED BY	N/A	
	PRE-MARKED OR IDENTIFIED BY	L Davis	Feb 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	N/A	
	LOCATED (*Field Methods*) BY	N/A	
	IDENTIFIED BY	N/A	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
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: Premark

2. VERTICAL CONTROL IDENTIFIED: None

PHOTO NUMBER	STATION NAME
76 CC 3831	Kent Island North Base, 1844 Sub Pt A
76 CC 3833	CBA Experimental Tower No.4,1945 Sub Pt A
76 CC 3832	Kent Island Speed Trial North Range, 1960 Sub Pt A
76 CC 3837	(3 Point Fix),(Y)

PHOTO NUMBER	STATION DESIGNATION
	Horizontal control identified cont.
76 CC 3829	(3 Point Fix) (X)

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 [ ] NONE

6. 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*)

5 Forms 76-53
3 Forms 76-67

U.S. G.P.O. 1972-769381/567 REG.#6

NOAA FORM 76-36D
(3-72)

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

TP-00965

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore detail	Aug 81	Class III		
Final Reviewed Map		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:

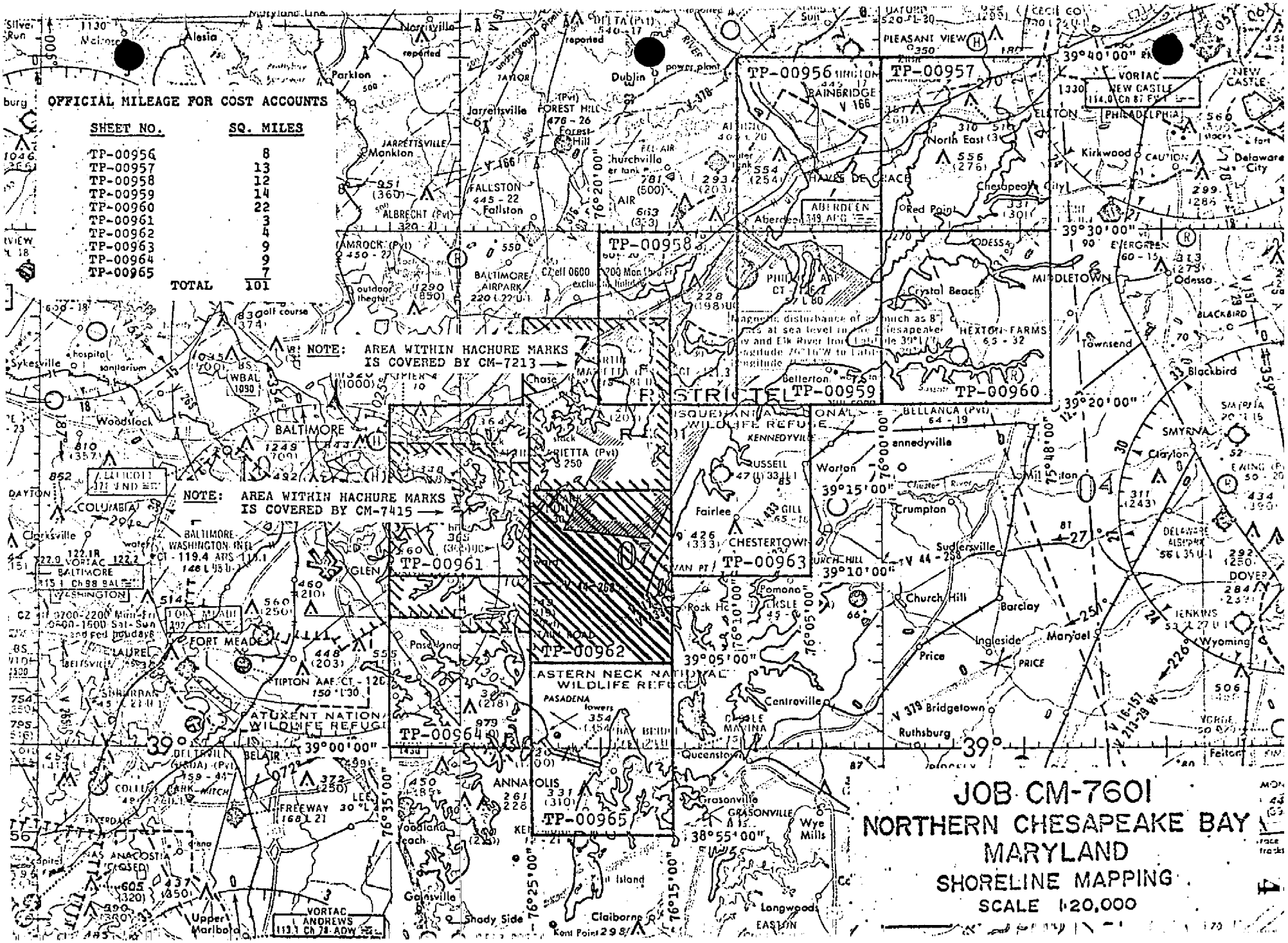
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

★U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6


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 CM-7213
NOTE: AREA WITHIN HACHURE MARKS IS COVERED BY CM-7415
TP-00956
TP-00957
TP-00958
TP-00959
TP-00960
TP-00961
TP-00962
TP-00963
TP-00964
TP-00965
JOB CM-7601
NORTHERN CHESAPEAKE BAY
MARYLAND
SHORELINE MAPPING
SCALE 1:20,000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00965

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-00965

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

7a

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

	POINT	X-ERROR	Y-ERROR
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

	POINT	X-ERROR	Y-ERROR
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

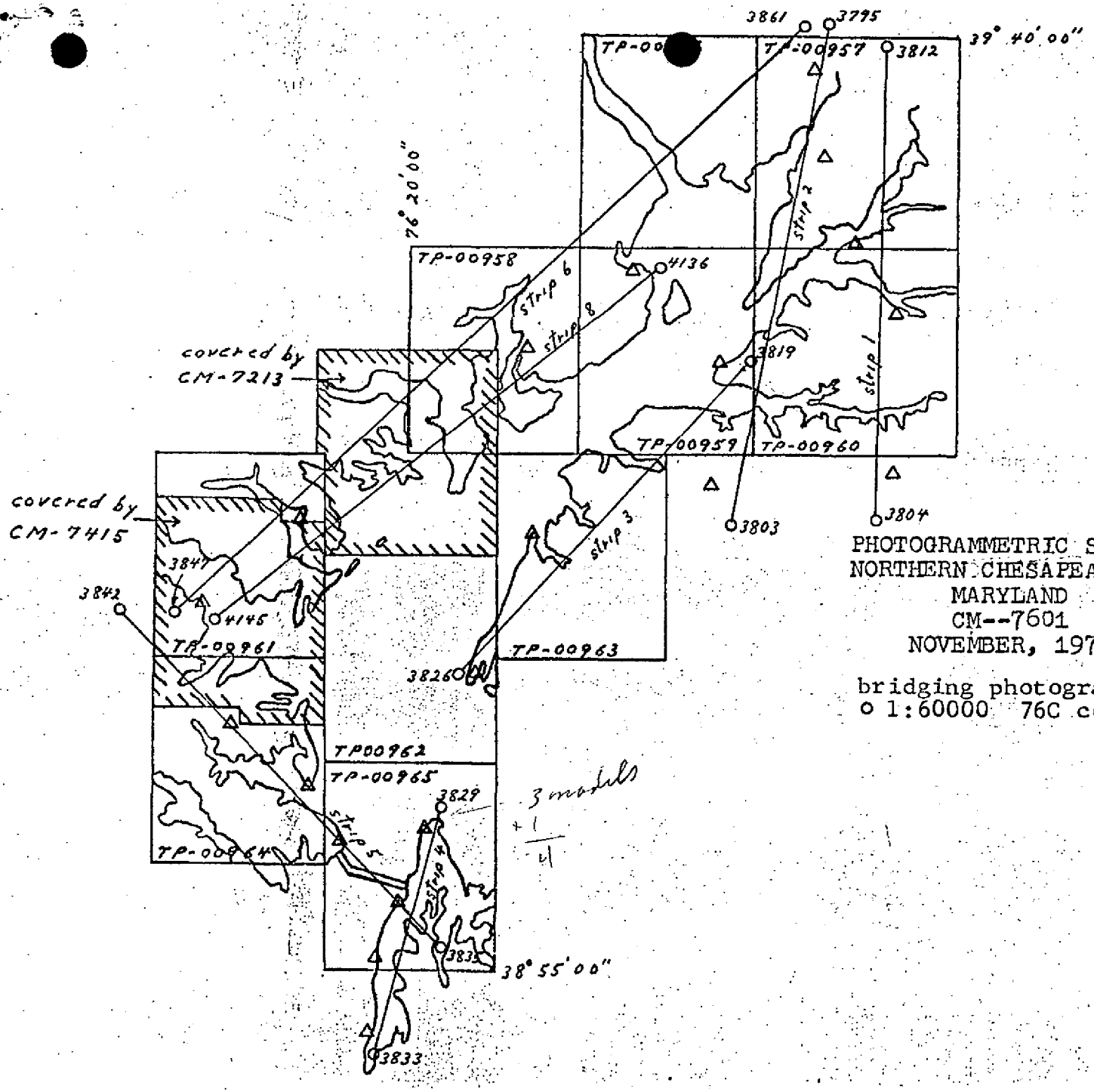
Notes to the Compiler

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.

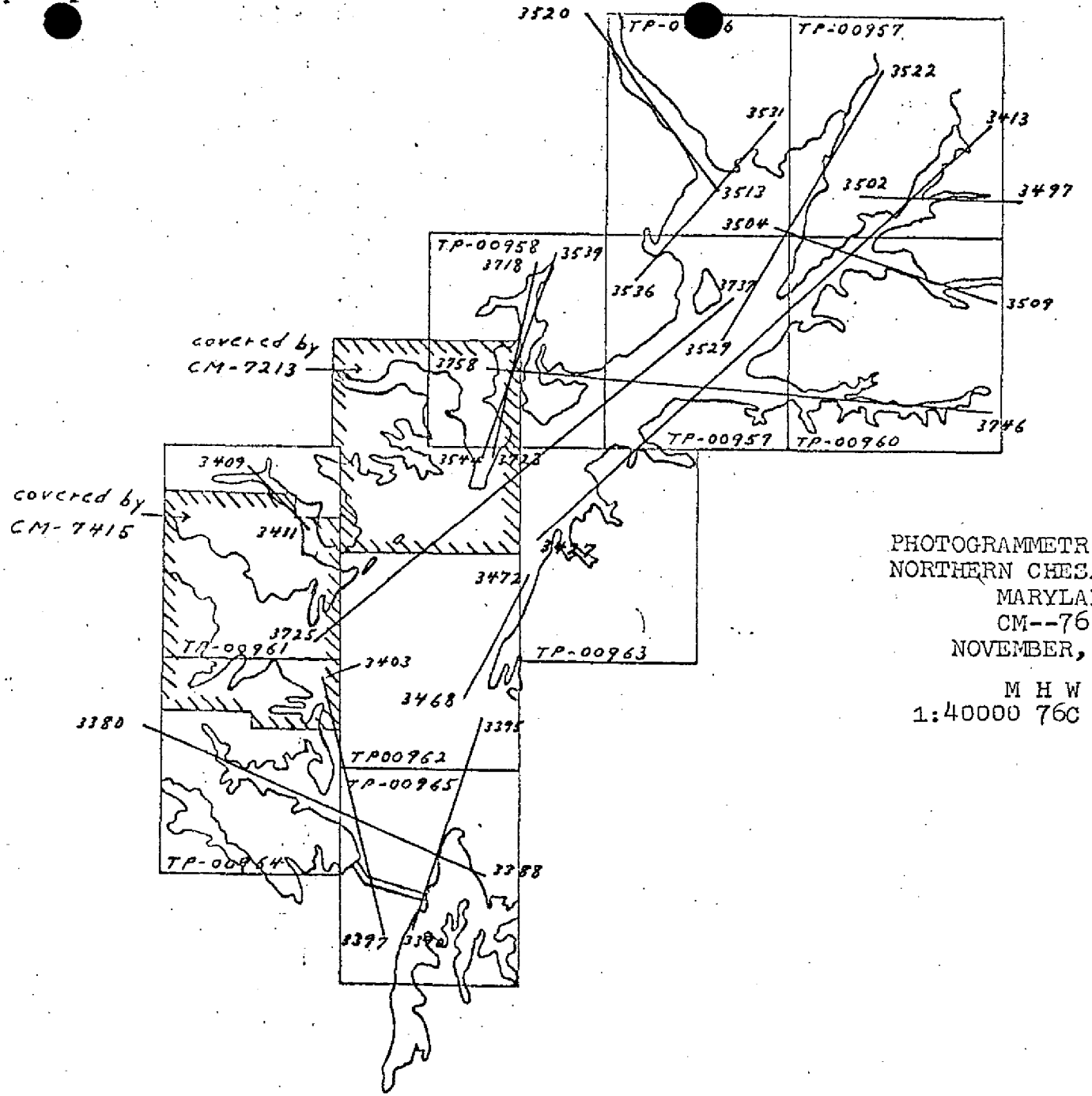
As mentioned in the aerotriangulation report, this camera was experiencing a vacuum malfunction problem during the filming of this project. As a result, during the course of your B-8 work, you may experience local parallax problems.

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



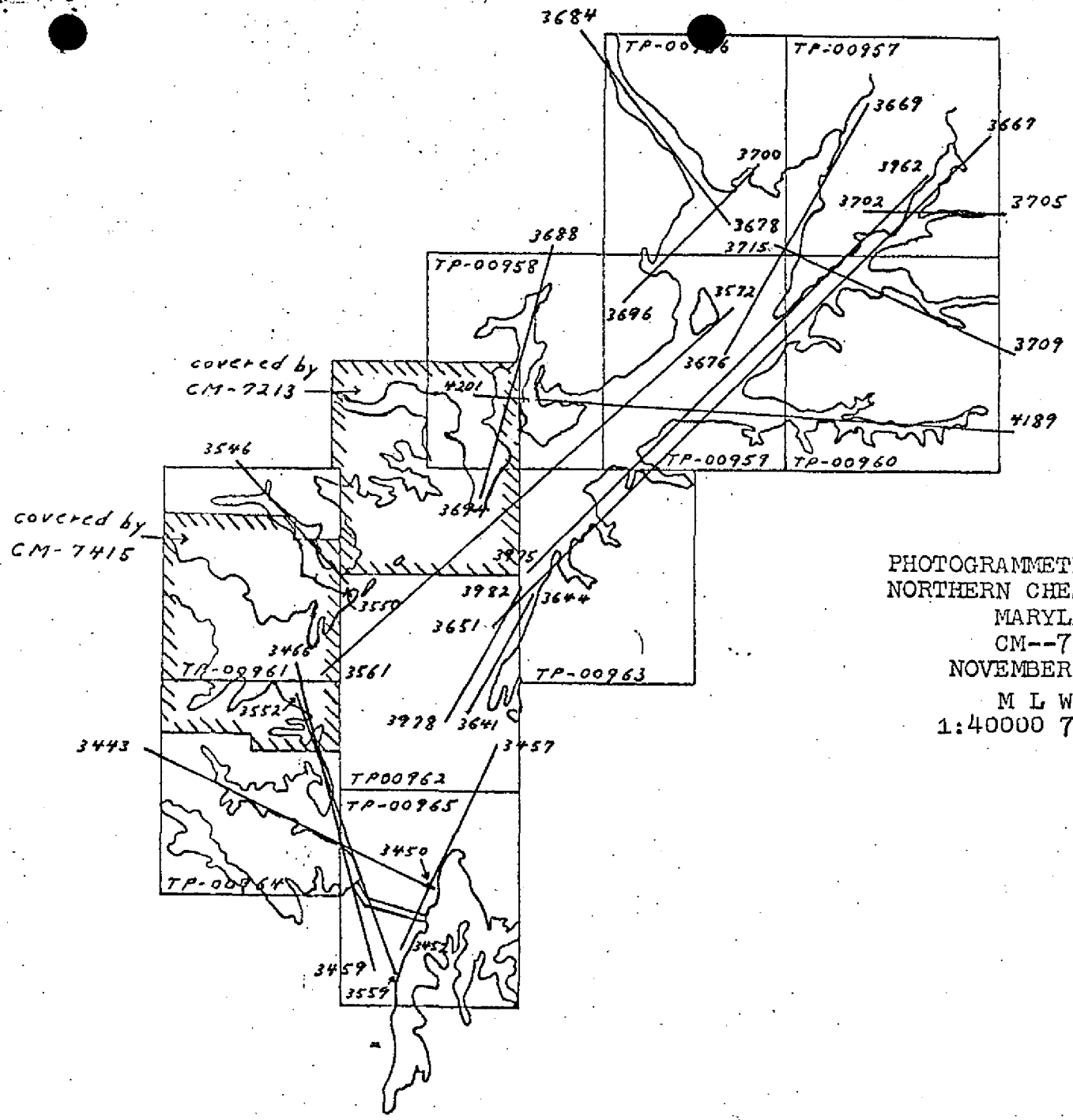
PHOTOGRAMMETRIC SKETCH
NORTHERN CHESAPEAKE BAY
MARYLAND
CM--7601
NOVEMBER, 1977

bridging photography
o 1:60000 76C color



PHOTOGRAMMETRIC SKETCH
NORTHERN CHESAPEAKE BAY
MARYLAND
CM--7601
NOVEMBER, 1977

M H W
1:40000 76C (R)



PHOTOGRAMMETRIC SKETCH
NORTHERN CHESAPEAKE BAY
MARYLAND
CM--7601
NOVEMBER, 1977
M L W
1:40000 76C (R)

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00965	CM-7601	NA 1927	Rockville, Md.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE / ZONE)	GEOGRAPHIC POSITION (φ LATITUDE / λ LONGITUDE)	REMARKS
Love Point Lighthouse, 1906	GP Vol.1 P 67	26	x=	φ 39°03'25.225"	
			y=	λ 76°17'00.791"	
Red Barn,South Ventilator, 1932	" P 366	29	x=	φ 38°59'47.15"	
			y=	λ 76°17'32172"	
Yellow Spire,1932	" P 159	36	x=	φ 38°59'21.96"	
			y=	λ 76°18'26.59"	
Kent Island North Base, 1844	" P 2	831100	x=	φ 38°58'26.217"	
			y=	λ 76°20'27.515"	
Kent Island Speed Trial North Front Range,1960	" P 383	832100	x=	φ 38°56'06.122"	
			y=	λ 76°21'46.599"	
Kent Island Speed Trial North RearRange,1960	" P 383	40	x=	φ 38°56'05.653"	
			y=	λ 76°21'26.798"	
Kent Island Speed Trial South Front Range,1960	" P 385	41	x=	φ 38°55'06.058"	
			y=	λ 76°21'49.256"	
Kent Island Speed Trial South Rear Range,1960	" P 385	42	x=	φ 38°55'05.588"	
			y=	λ 76°21'29.481	
Chesapeake Bay Bridge East Tower,1957	" P478	96	x=	φ 38°59'32.892"	
			y=	λ 76°22'47.409"	
Chesapeake Bay Bridge West Tower,1957	" P 479		x=	φ 38°59'37.434"	
			y=	λ 76°23'06.817"	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY J J C Moler	DATE 1/79	LISTING CHECKED BY J Schad	DATE 10/81
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00965	CM-7601	NA 1927	Rockville,Md.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ___ ZONE ___	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Sandy Point Lighhouse, 1898	GP Vol 1 P 67	837110	x=	φ 39°00'56.835"	
			y=	λ 76°23'05.632"	
Baltimore Lighthouse,1918	" P 67	837111	x=	φ 39°03'32.673"	
			y=	λ 76°23'57.550"	
			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	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY J J C Moler	DATE 1/79	LISTING CHECKED BY J Schad	DATE 10/81
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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

15

Compilation Report
TP-00965

31. Delineation

Planimetry was compiled using the NOSAP instrument with the exception of the mean high water and mean lower low water lines which were compiled graphically from infrared tide coordinated photographs where available. The planimetry compiled using the stereoinstrument was used as control for the graphic compilation.

There was no infrared mean high water coverage of Crab Alley Bay, Crab Alley Creek, and the area of Hog Island. The MHW line in these areas was compiled from office interpretation of the color photographs.

There was no infrared lower low water coverage from 76°18'00" east, 38°59'30" south, and no photo coverage in the southeast corner of this map.

32. Control

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

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Drainage was delineated using the NOSAP stereoplotter.

35. Shoreline and Alongshore Details

The shoreline was classified and alongshore details identified by office interpretation of the color photographs. Numerous small piers and groins not shown due to scale of the map.

There was no field inspection prior to map compilation.

36. Offshore Details

Very little offshore detail is visible on photographs of this scale, although what appears to be a submerged wreck at latitude 76°25'00" and longitude 39°04'00" was located.

37. Landmarks and Aids

With the exception of the three lighthouses that have triangulation

positions no other fixed aids were visible on the photographs. Ten of the currently charted landmarks were located.

38. Control for Future Surveys - None

39. Junctions

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

40 through 45. Not applicable

46. Comparison with Existing Maps

USGS quadrangles:

Kent Island, Md., 1:24,000 scale, 1942
Love Point, Md., 1:24,000 scale, 1953
Gibson Island, 1:24,000 scale, 1954, photorevised 1970
Maryland Official Highway Map, 1981/1982, 1:380,000 scale

47. Comparison with Nautical Charts

12270, 1:40,000 scale, 20th Edition, November 1, 1980
12272, 1:40,000 scale, 19th Edition, September 27, 1980
12278, 1:40,000 scale, 52nd Edition, October 11, 1980
12282, 1:25,000 scale, 22nd Edition, March 22, 1980

Submitted by,

James Schad

James Schad

Approved and Forwarded:

Frank Wright

Frank Wright
Chief, Coastal Mapping Section

Review Report TP-00965
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

12270, 1:40,000 scale, 20th Edition, November 1, 1980
12272, 1:40,000 scale, 19th Edition, September 27, 1980
12278, 1:40,000 scale, 52nd Edition, October 11, 1980
12282, 1:25,000 scale, 22nd Edition, March 22, 1980

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-00965

Batts Neck

Bay City

Bentons Pleasure (Ppl)

Broad Creek

Castle Marina (Ppl)

Chesapeake Bay

Chesapeake Estates

Chester

Chester River

Cloverfields

Cox Creek

Cox Neck

Crab Alley Bay

Crab Alley Creek

Crab Alley Neck

Craney Creek

Dominion

Goodhouse Creek

Harborview

Hog Island

Johnson Island

Kent Island

Kirwan Creek

Little Creek

Little Island

Love Point

Love Point (Ppl)

Macum Creek

Matapeake
Meredith Creek

Mezick Ponds
Moss Pond

Normans

Piney Creek

Sandy Point

Sandy Point State Park

Shipping Creek

Skidmore

Stevensville

Thompson Creek

Tydings on the Bay

Warehouse Creek

William Preston Lane, Jr. Memorial Bridges.

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

SVY TP-00965	RPT UNIT CMD, ROCKVILLE,MD.	PAGE 1 OF 4
JOB CM-7601	STATE MARYLAND	
PRJ	LOCALITY CHESAPEAKE BAY	ORIGINATING ACTIVITY
DTM NA 1927	DATE 08/11/82	COMPILATION

POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES		FIELD REPRESENTATIVE
	JAMES E. SCHAD	OFFICE COMPILER
	JEFF C. MOLER	DIGITIZER
	JEFF C. MOLER	DATA P OCESSER

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

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

FIELD(CONT,D)

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

2. TRIANGULATION STATION RECOVERED
   WHEN A LANDMARK OR AID WHICH IS ALSO A TRIANGULATION 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.

76-46 LISTING | PHOTOGRAMMETRIC BRANCH, PHOTOGRAMMETRY DIVISION | NATIONAL OCEAN SURVEY NOAA, DEPARTMENT OF COMMERCE USA | DATATAB VERSION 782707

SVY TP-00965		RPT UNIT CMD, ROCKVILLE,MD.	PAGE 2 OF 4	
JOB CM-7601	NONFLOATING AIDS FOR CHARTS TO BE CHARTED	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

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CMD ALTEK DGTZD	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
	ONLY CHARTED LANDMARKS OR AIDS OFFICE IDENTIFIABLE ON COMPILATION PHOTOGRAPHS ARE SHOWN.						
	CHESAPEAKE CHANNEL						
LIGHT	SANDY POINT SHOAL LIGHT (SANDY POINT LIGHTHOUSE,1898)	39 00 56.84 76 23 05.63	1752.8 135.4	NOT DGTZD	TRIANG		12270 12278 12282
	BALTIMORE HARBOR						
LIGHT	BALTIMORE LIGHT (BALTIMORE LIGHTHOUSE,1918)	39 03 32.67 76 23 57.55	1007.5 1383.7	NOT DGTZD	TRIANG		12278 12282
	UPPER CHESAPEAKE CHANNEL						
LIGHT	LOVE POINT LIGHT (LOVE POINT LIGHTHOUSE,1906)	39 03 25.22 76 17 00.79	777.7 19.0	NOT DGTZD	TRIANG		12272 12278

SVY TP-00965	LANDMARKS FOR CHARTS TO BE CHARTED	RPT UNIT CMD, ROCKVILLE,MD.	PAGE 3 OF 4
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

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CMD ALTEK DGTZD	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
TANK		39 00 36.68 76 24 10.01	1131.1 240.8		76CC3836 03/23/76		12270 12282
TANK		39 00 27.71 76 24 32.63	854.5 785.1		76CC3836 03/23/76		12270 12282
MICRO TOWERS		38 57 24.97 76 21 10.93	770.0 263.2		76CC3832 03/23/76		12270 12282
MICRO TOWERS		38 57 22.28 76 21 12.54	687.0 301.9		76CC3832 03/23/76		12270 12282
TANK		38 57 23.89 76 21 02.87	736.7 69.1		76CC3832 03/23/76		12270 12282
RADIO TOWER		38 57 21.78 76 21 09.47	671.6 228.0		76CC3832 03/23/76		12270 12282
RANGE MARK	(KENT ISLAND SPEED TRIAL NORTH FRONT RANGE,1960)	38 56 06.12 76 21 46.60	188.7 1122.4	NOT DGTZD	TRIANG		12270 12282
RANGE MARK	(KENT ISLAND SPEED TRIAL NORTH REAR RANGE,1960)	38 56 05.65 76 21 26.80	174.2 645.5	NOT DGTZD	TRIANG		12270 12282
RANGE MARK	(KENT ISLAND SPEED TRIAL SOUTH FRONT RANGE,1960)	38 55 06.06 76 21 49.26	186.9 1186.7	NOT DGTZD	TRIANG		12270
RANGE MARK	(KENT ISLAND SPEED TRIAL SOUTH REAR RANGE,1960)	38 55 05.59 76 21 29.48	172.4 710.2	NOT DGTZD	TRIANG		12270

76-40 LISTING

PHOTOGRAMMETRIC BRANCH
PHOTOGRAMMETRY DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

DATATAB VERSION 782707

SVY TP-00965		RPT UNIT CMD, ROCKVILLE,MD.	PAGE 4 OF 4	
JOB CM-7601	LANDMARKS FOR CHARTS TO BE CHARTED	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

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CMD ALTEK DGTZD	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
TWIN SILOS		38 55 04.57 76 19 13.63	140.9 328.4		76CC3832 03/23/76		12270
TWIN SILOS		38 55 04.65 76 19 14.16	143.4 341.1		76CC3831 03/23/76		12270
SILO		38 57 50.59 76 19 03.42	1560.0 82.3		76CC3831 03/23/76		12270
AERO	AERO FIR OBST LT (CHESAPEAKE BAY BRIDGE WEST TOWER,1957)	38 59 37.43 76 23 06.82	1154.2 164.1	NOT DGTZD	TRIANG		12270
AERO	AERO FIR OBST LT (CHESAPEAKE BAY BRIDGE EAST TOWER,1957)	38 59 32.89 76 22 47.41	1014.2 1141.0	NOT DGTZD	TRIANG		12270

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

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.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63