# TP-00239

#### NOAA FORM 76-35

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

# **DESCRIPTIVE REPORT**

Type of Survey Shoreline Mapping
Job No CM-7707 Map No TP-00239
Classification No. III Edition No]
LOCALITY
State New .Jersey Pennsylvania
General Locality Delaware River
Locality Petty. Island .to .Pennsauken .Creek
~
19 75 TO 19 76
REGISTRY IN ARCHIVES
DATE

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

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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY SURVE	тр. <u>00239</u>
	DI ORIGINAL MAPE	DITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY MAP C	LASS III
	REVISED JOB	рн- <u>СМ-7707</u>
PHOTOGRAMMETRIC OFFICE		
	LAST PRECEEDING MAP	
Coastal Mapping Division (Rockville)	TYPE OF SURVEY JOB	PH
OFFICER-IN-CHARGE	1 =	Y DATES:
	l <del>-</del>	O 19
Commander James Collins		
I. INSTRUCTIONS DATED		
1, OFFICE	2. FIELD	
Instructions - Aerotriangulation (CM-7508) 2/4/76	Instructions - Field (	CM-7508) 3/4/75
Instructions - Office (CM-7707) 3/18/77	Instructions - Field ( Supplement I - 7/11/75	CM-7508)
·		
II. DATUMS		· · · · · · · · · · · · · · · · · · ·
1. HORIZONTAL: 1927 NORTH AMERICAN	OTHER (Specify)	
MEAN HIGH-WATER	OTHER (Specify)	
MEAN LOW-WATER	National Geodetic Ver	tical
2. VERTICAL: MEAN LOWER LOW-WATER	Datum of 1929	
MEAN SEA LEVEL		
3. MAP PROJECTION	4. GRID(S)	
Traverse Mercator Projection	New Jersey	
5. SCALE	STATE ZONE	
1:10,000		<del></del>
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS  1. AEROTRIANGULATION BY	R. Kelly	10-15-76
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	D. Norman	10-15-76
2. CONTROL AND BRIDGE POINTS PLOTTED BY	H. Jones	4-29-77
метноо: Coradomat снескер ву	N.A.	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	G. Vanderhaven	5-17-77
COMPILATION CHECKED BY	L. Harrod	5-17-77
INSTRUMENT: WILD 8-8 CONTOURS BY	N.A.	
SCALE: 1:10,000 CHECKED BY	N.A. G. Vanderhaven	7-11-77
4. MANUSCRIPT DELINEATION PLANIMETRY BY	L. Harrod	7-25-77
CHECKED BY	N.A.	, , ,
METHOD: Smooth Drafting CHECKED BY	N.A.	
CHECKED BY  1.10 000 HYDRO SUPPORT DATA BY	N.A.	<del></del>
SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY	N.A.	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	G. Fromm	8/77
6. APPLICATION OF FIELD EDIT DATA	Field Edit canceled	4/78
CHECKED BY		
7. COMPILATION SECTION REVIEW BY	G. Fromm	5/78
8. FINAL REVIEW BY	J. B. Phillips	7/78
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY 11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. T. Cater	1/78
NOAA FORM 76-36A SUPERSEDES FORM C&GS 18; SERIES		
		-760309 /609 DEC #6

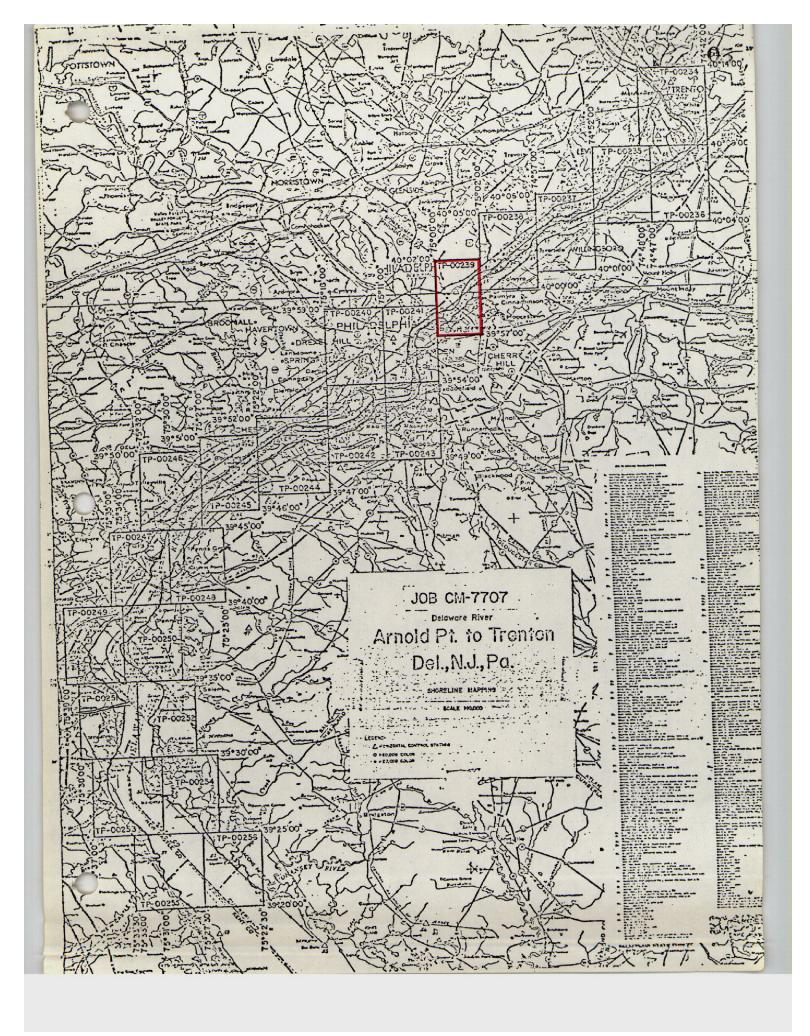
NOAA FORM 76-36B (3-72)				NA	TIONAL OCE		S. DEPARTMENT ATMOSPHERIC A	DMINISTRATION
TP-00239		co	MPILATIO	ON SOUR	CES		NATIONAL	OCEAN SURVEY
1. COMPILATION PH	DTOGRAPHY	<del></del>						
CAMERA(S) RC-1		<u>-a</u>	T			<del></del>		
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TIDE STAGE REFER	ENCE		1			ZONE		
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REFERENCE STA			ļ .	FRARED	110	MERID		DAYLIGHT
TIDE CONTROLL	ED PHOTOGRA	<del></del>	<del> </del>			75t	···	<u> </u>
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		y was ratioe	ed to 1:	10,000	scale.			
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The source under Item		an high-wate	er line	is the	photogra	phy lis	ted	`
3. SOURCE OF MEA	N LOW-WATER	OR MEAN LOWER L	OW-WATER	LINE:				
The source under Item		an high-wate	er line	is the	photogra	phy lis	ted	
4. CONTEMPORARY	HYDROGRAPH	IIC SURVEYS (List	only those s	urveys the	ate sources i	or photogra	mmetric Survey in	formation.)
SURVEY NUMBER	DATE(S)	SURVEY CO	PY USED	SURVEY	NUMBER	DATE(S)	SURVE	Y COPY USED
5. FINAL JUNCTION	<u></u>	<u>.</u>		<u> </u>		<u> </u>		
NO contempo	orary	ATP-00238			ntempora urvey	ry	₩ <sup>E</sup> ₹P-0024	1

<b>NOAA</b> FORM <b>76–360</b> (3–72)	<b>C</b>		NATIONAL OCEA	NIC AND ATMOSPHER	MENT OF COMMERCE RIC ADMINISTRATION NAL OCEAN SURVEY
TP-00239	······	HISTORY OF FIELD	OPERATIONS		
I. 🗓 FIELD INSP	ECTION OPER	ATION FIELI	EDIT OPERATION		
	OPI	ERATION		NAME	DATE
1. CHIEF OF FIEL	D PARTY		R.S. Tibb	etts	1975-1976
		RECOVERED BY	R.S. Tibb	etts	3/75
2. HORIZONTAL C	ONTROL	ESTABLISHED BY	L.H. Davi	S	3/75
		PRE-MARKED OR IDENTIFIED BY	L.H. Davi	\$	3/75
		RECOVERED BY	N.A.		
3. VERTICAL CON	ITROL	ESTABLISHED BY	N.A.		
		PRE-MARKED OR IDENTIFIED BY	N.A.		
	RE	COVERED (Triangulation Stations) BY	R.S. Tibb		1/76
4. LANDMARKS AT		LOCATED (Field Methods) BY	R.S. Tibb		1/76
AIDS TO NAVIG	A I ION	IDENTIFIED BY	R.S. Tibb	<u>etts                                   </u>	1/76-2/76
		TYPE OF INVESTIGATION			
5. GEOGRAPHIC N		COMPLETE BY			
INVESTIGATION	V.	SPECIFIC NAMES ONLY	, , ,		
		X NO INVESTIGATION	N.A.		
6. PHOTO INSPEC		CLARIFICATION OF DETAILS BY	N.A.	<del> </del>	<u> </u>
7. BOUNDARIES A		SURVEYED OR IDENTIFIED BY	N.A.		
II. SOURCE DATA  1. HORIZONTAL C		NTIFIED.	2 VERTICAL CO	NTROL IDENTIFIED	
I. HORIZONIAL C	ON I ROL IDE	NITFIED	2. VERTICAL CO	NIROE IDENIFIED	
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION D	ESIGNATION
			<u> </u>		
	All fie	eld operations were perfo	rmed under P	roject CM-7508	
3. PHOTO NUMBE	RS (Clarificati	on of details)			
			— <u> </u>		
4. LANDMARKS A	ND AIDS TO N	AVIGATION IDENTIFIED			
Refer t	o 7.6–40 1 i	stings bound with this D	escriptive Re	eport.	
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJEC	TNAME
				ı	
	l		}	}	
	i				
5. GEOGRAPHIC N	AMES:	REPORT NONE	6. BOUNDARY AN	ID LIMITS: TREP	ORT X NONE
7. SUPPLEMENTA		<del></del>		<del></del>	
N.A.					
	RECORDS (Ske	etch books, etc. DO NOT list data submit	ted to the Geodesy D	Division)	
All fi	eld recor	ds are on file under CM-	7508.		

TP-00239

### RECORD OF SURVEY USE

Compilation office review May 1978 Field Edit postponed  Final review prior to registration  July 1978 Class III 1st Edition 8-14-78  II. LANDMARKS AND AIDS TO NAVIGATION  1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH  CHART LETTER DATE  ANDMER ASSIGNED FORWARDED  Landmarks  Landmarks  Aids  Landmarks  Aids  Landmarks  Aids  Landmarks  Aids  Landmarks  Landmarks  Landmarks  Landmarks  Landmarks  Landmarks  Landmarks  Aids  Landmarks  L		P-00239	-		1			
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REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH   NUMBER ASSIGNED   DATE   REMARKS			July 1978	Class III	lst Editio	n 8-1	4-78	
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Aids	NUMBER					REMARKS		2.4
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED:  3. REPORT TO ARRONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:  II. FEDERAL RECORDS CENTER DATA  1. Selidging 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:  V. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)  SECOND TP. DOE NUMBER JOB NUMBER TP. REVISED RESURVEY REVISED RESURVEY  THIRD TP. G. J. PH. REVISED RESURVEY  THIRD TP. G. J. PH. REVISED RESURVEY  MAP CLASS  SURVEY NUMBER JOB NUMBER TYPE OF SURVEY  TYPE OF SURVEY  MAP CLASS  SURVEY NUMBER JOB NUMBER TYPE OF SURVEY  MAP CLASS  SURVEY NUMBER JOB NUMBER TYPE OF SURVEY  TYPE OF SURVEY  MAP CLASS  SURVEY NUMBER JOB NUMBER REVISED RESURVEY  REVISED RESURVEY  MAP CLASS  MAP CLASS  MAP CLASS  MAP CLASS  MAP CLASS	2			Landmarks	S			
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1. Serioging 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.  4. Data to Federal Records Center. Date Forwarded:  4. Data to Federal Records Center. Date Forwarded:  5. Survey number Job Number Type of Survey Edition Date of Photography Date of Field Edit Map Class  5. Survey Number Job Number Type of Survey Edition Date of Photography Date of Field Edit Map Class  5. Survey Number Job Number Type of Survey Edition Date of Photography Date of Field Edit Map Class  5. Survey Number Job Number Type of Survey Edition Date of Photography Date of Field Edit Map Class  5. Survey Number Job Number Type of Survey  6. Map Class  6. Survey Number Job Number Type of Survey  7. Map Class  8. Survey Number Job Number Type of Survey  8. Survey Number Map Class  9. Survey Number Map Class	2. RE	PORT TO MARINE CHART	DIVISION, COAST	PILOT BRANCH.	DATE FORWARD	DATE FOR	WARDED.	
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.  4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED:  V. SURYEY EDITIONS (This section shall be completed each time a new map edition is registered)  SURVEY NUMBER  TYPE OF SURVEY  MAP CLASS  THIRD  THIR	III. FEDERA	L RECORDS CENTER DAT	A		E DATA SECTION	. DATE FOR	WARDED:	
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# Summary CM-7-707 Maps TP-00234 thru TP-00239

This summary covers the initial portion of this job. Field edit for these maps was canceled April 24, 1978. They are final reviewed and registered as Class III.

This area was originally scheduled for landmark and aid location under job CM-7508. The job was completed in March 1977. All information obtained for that job was applied to the compiled maps in CM-7707. The forms 76-40 for landmarks and aids is part of each Descriptive Report. However, they are not furnished to charts with this project. Duplicate forms were furnished with job CM-7508 in April 1977.

The purpose of this aproject is to furnish a base for new hydrographic surveys and nautical chart updating.

The manuscripts were compiled using the Wild B-8 Steroplotter with 1:20,000 scale natural color photography taken in 1975.

Final review was done in the Rockville, Maryland office in July 1978.

A stable base positive copy of each map with its Descriptive Report is registered in the NOS Archives.

#### FIELD INSPECTION

There was no field inspection performed under Job CM-7707. Field work prior to compilation was accomplished under Job CM-7508. This field work consisted of the recovery and identification of horizontal control and the locating or photoidentifying of landmarks, non-floating aids, and supplement objects.

Photogrammetric Plot Report
Delaware River
Arnold Pt. to Trenton, New Jersey
CM-7707
November 17, 1977

Project CM-7707 is a continuation of CM-7508. Briefly, in CM-7508, positions of landmarks, aids to navigation, and supplemental objects were determind by photogrammetric methods. In CM-7707, shoreline maps are to be compiled. The photography and control are the same for both projects. Additional photos were bridged for CM-7707 to give complete shoreline coverage.

#### 21. Area Covered

The area covered is the Delaware River from Arnold Point, near the mouth of the Cohansey River to Trenton, New Jersey. This area is covered by 23 1:10,000 scale sheets. They are numbered TP-00234 thru TP-00256.

#### 22. Method

Twenty strips of photography were bridged by analytic aerotriangulation methods and adjusted to ground on the New Jersey State Plane Coordinate system. Four strips of 1:60,000 scale photography were bridged to control sixteen strips of 1:20,000 scale photography. (see attached aerotriangulation sketch for photos).

#### 23. Adequacy of Control

The horizontal control was adequate. However, the panel for Navy, 1925 would not fit in the adjustment. No reason could be determined and the station was dropped from the adjustment.

#### 24. Supplemental Data

USGS tropographic quadrangles were used to provide vertical control requirements for strip adjustments.

#### 25. Photography

The photography was adequate.

Submitted by,

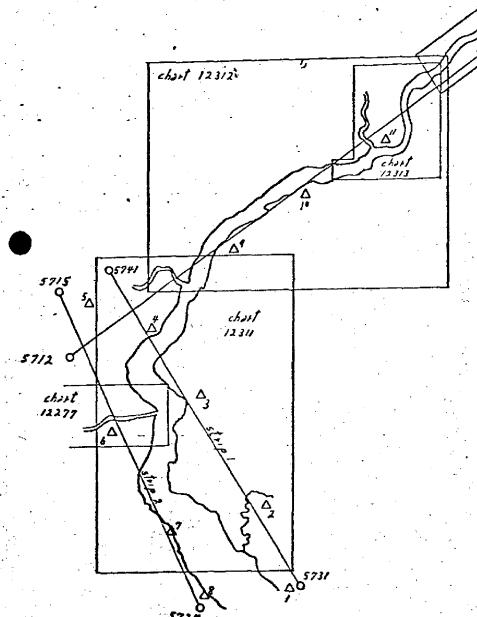
Dor O. Norman

Don O. Norman

Approved and forwarded:

John D. Perrow, Jr., Chief, Aerotriangulation Section AEROTRIANGULATION SKETCH DELAWARE RIVER CM-7707 NOVEMBER 17, 1977

o 1:60000 scale 75C color

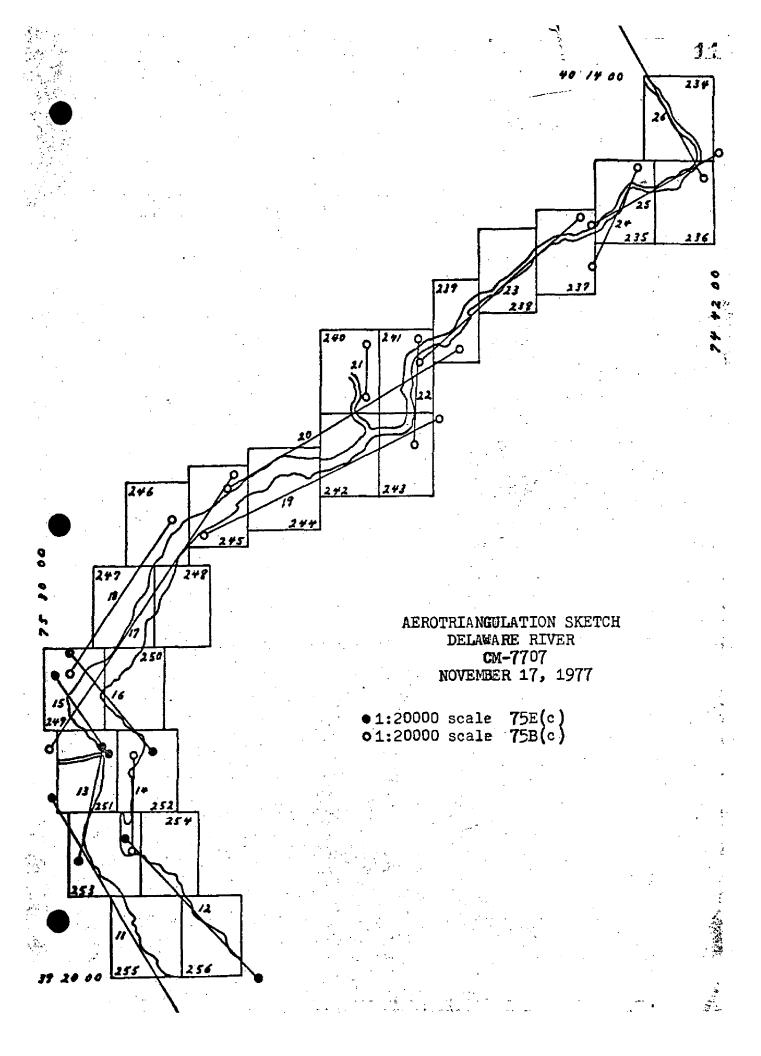


569 chay 123/18

5682 Q 416

# fit to control (feet)

strip 1	•	
1 WELLS 1975	( 0.5,	0.3)
, 2 WILLIS, 1933	(0.6,	
3 SALEM, 1933	(0.9,	
4 NEW CASTLE BELLANCA AIRPORT		
SQUAT W.T., 1933	( 0.2,	4.5)
5 CHRIS 2, 1962	(0.8,	2.8)
strip 2 ,		
5 CHRIS 2, 1962	( 0.1,	0.3)
6 CARROW, 1933	(0.0,	
7 DELAWARE (USE) 1932	(0.3,	
8 BOMBAY (USE) 1933	(0.2,	0.5)
strip 3	-	
14 FAIRVIEW, 1933	( 0.3,	0.9)
13 STAND RM , 1933	(0.2,	0.8)
12 PALMYRA RIVERTON-PALMYRA WATE	R	
CO. STANDPIPE, 1933	(1.7,	1.8)
11 PHILA NAVY YARD POWER PLANT	,	
WATER TANK, 1933	(1.5,	1.4)
10 GIBBSTOWN MUNICIPAL	•	
WATER TANK, 1933	(1.3,	0.9)
9 DEPOT, 1933	(2.2,	0.3)
5 CHRIS 2, 1962	(0.6,	0.2)
strip 4		•
16 GOAT HILL, 1876	( 0.0,	0.0)
15 YARDLEY MUNICIPAL	•	
STANDPIPE, 1933	(0,0,	0.0)
14 FAIRVIEW, 1933	( 0.0,	0.0)



# INDEX TO 1:20,000 PHOTOGRAPHS DELAWARE RIVER CM-7707

	11	75E(C)	8674-8691
	12A 12B	75E(C) 75E(C)	8713-8721 8722-8725
	13 14	75E(C) 75B(C)	8777-8784 4730-4736
STRIP	15 16A	75E(c). 75E(C)	8735-8741 8746-87 <i>5</i> 1
STRIP STRIP	16B	75E(C)	8753-8755
STRIP	17A	75B(C)	4742-4745
STRIP	17B	75B(C)	4746-4763
STRIP	18	75B(C)	4772-4784
STRIP	19A	75B(C) 75B(C)	4792-4795
STRIP	19B	75B(C)	4797-4809
STRIP	20A	75B(C) 75B(C)	4812-4814 4818-4830
STRIP	20B		
STRIP	21	75B(C)	4843-4846
STRIP	22	75B(C)	4879-488 <b>26</b>
STRIP	23	75B(C)	4894 <b>-</b> 490 <b>7</b>
STRIP	24A	75B(C)	4942-4944
STRIP	24B	75B(C)	4946-4948
STRIP	25	75B(C)	4911 <b>-</b> 492 <b>0</b>
STRIP	26	75B(C)	4925-4937

Photogrammetric Plot Report
Delaware River
Arnold Point to Trenton, Delaware, New Jersey
Job CM-7805 7508
October 15, 1976

# 21. Area Covered

This report covers Delaware River from Arnold Point to Trenton, Delaware, New Jersey.

# 22. Method

Nineteen strips of photography were bridged by analytic aerotriangulation methods and adjusted to ground on the New Jersey State Plane Coordinate System. Four strips of 1:60,000 photography were bridged to establish control for the bridging of 1:20,000 photography. Fifteen strips of 1:20,000 were bridged to determine positions of field identified landmarks, aids to navigation, and supplemental objects. This data was processed on 76-40 forms. Overlay sheets of these positions were plotted on the Coradomat using the same scale of published nautical charts, 12311 (C&GS 294), 12312 (C&GS 295), 12313 (C&GS 280) and inset, 12314 (C&GS 296), and 12277 (C&GS 570) eastern half only, west to longitude 38'.

Overlay sheets, 76-40 forms, and output cards of the 76-40 program were forwarded to the Special Projects Section for final preparation, which on compilation will be routed to the Marine Chart Division.

# 23. Adequacy of Control

The horizontal control provided was adequate except for Navy, 1925 paneled station which did not hold in the adjustment. No apparent reason was determined and the station was dropped from the adjustment.

# 24. Supplemental Data

Local shoreline and U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

# 25. Photography

RC-8 and RC-10 color positives were adequate as to coverage, overlay, and definition.

Submitted by:

OTEN P VOLL

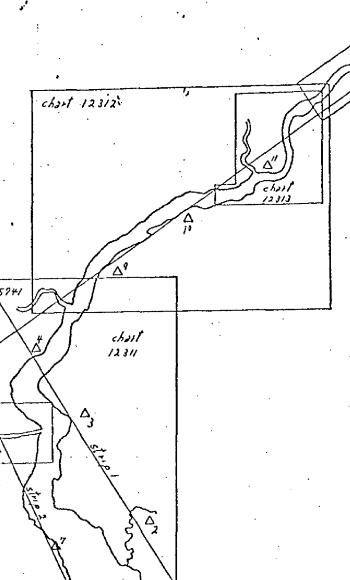
Approved and Forwarded:

J. D. Perrow, Jr.

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AEROTRIANGULATION SKETCH DEIAWARE RIVER CM-7508 OCTOBER, 1976

o 1:60000 scale 750 color



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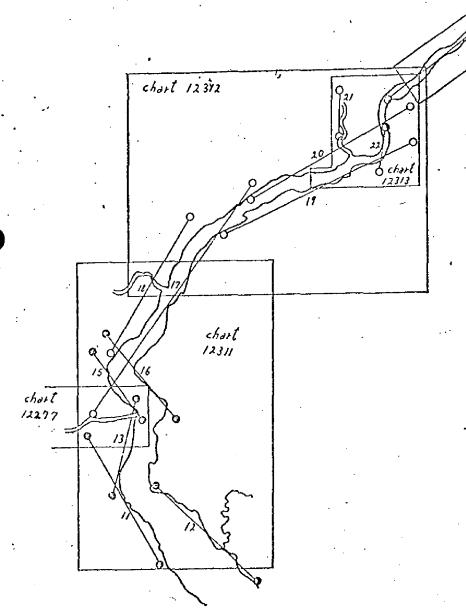
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# fit to control (feet)

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7 DELAWARE (USE) 1932	ì	0.3.	1.0)
8 BOMBAY (USE) 1933	Ì	0.2,	0.5)
strip 3	,		
14 FAIRVIEW, 1933	(	0.3,	0.9)
13 STAND RM, 1933		0.2,	
12 PALMYRA RIVERTON-PALMYRA WATER	ર		
CO. STANDPIPE, 1933	(	1.7,	1.8)
11 PHILA NAVY YARD POWER PLANT	·		-
WATER TANK, 1933	(	1.5,	1.4)
10 GIBBSTOWN MUNICIPAL			
WATER TANK, 1933	(	1.3,	0.9)
9 DEPOT, 1933	Ò	2.2,	0.3)
5 CHRIS 2, 1962		0.6,	
strip 4			
16 GOAT HILL, 1876	(	0.0,	0.0)
15 YARDLEY MUNICIPAL			
STANDPIPE, 1933	(	0.0,	0.0)
14 FAIRVIEW, 1933	Ċ	0.0,	0.0)

AEROTRIANGULATION SKETCH
DELAWARE RIVER
CM-7508
OCTOBER, 1976

•1:20000 scale 75E color •1:20000 scale 75B color



# INDEX TO 1:20,000 PHOTOGRAPHS DELAWARE RIVER CM-7508

STRIP 11A 75E(C) 8679-8681
" 11B 75E(C) 8684-8686
" 11C 75E(C) 8689-8691

STRIP 12A 75E(C) 8713-8715
" 12B 75E(C) 8719-8721

STRIP 13 75E(C) 8777-8784

12C 75E(C) 8722-8725

STRIP 15 75E(C) 8735-8741

STRIP 16A 75E(C) 8746-8748
" 16B 75E(C) 8753-8755

STRIP 17A 75B(C) 4742-4745 17B 75B(C) 4746-4763

STRIP 18 75B(C) 4772-4784

STRIP 19A 75B(C) 4792-4795 " 19B 75B(C) 4797-4809

STRIP 20A 75B(C) 4812-4814 " 20B 75B(C) 4818-4830

STRIP 21 75B(C) 4843-4846

STRIP 22 75B(C) 4879-48827 - 4,4

STRIP 23 75B(C) 4894-4907

STRIP 24A 75B(C) 4942-4944 " 24B 75B(C) 4946-4948

STRIP 25 75B(C) 4911-4920

STRIP 26 75B(C) 4925-4937

# TP-00239 Compilation Report

Field and Aerotriangulation work used to complete this map was performed under Job CM-7508 (Delaware River). Field operations consisted of aerial photography, premarking of control, and the location of photo-identifying of landmarks and aids. During bridging operations positions were determined for the field identified objects and those located by phtogrammetric field methods. A duplicate copy of the Photogrammetric Plot Report for Job CM-7508 is bound with this Descriptive Report. Field records and reports are on file in the National Archives under CM-7508.

# 31. Delineation

This map was compiled on the Wild B-8 stereoplotter using 1:20,000 scale natural color photography taken in 1975.

# 32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

# 33. <u>Supplemental Data</u>

None

### 34. Contours and Drainage

All drainage is from office interpretation of the color photography.

# 35. Shoreline and Alongshore Details

The mean-high and mean-low water lines were compiled by office interpretation of the color photography.

Alongshore and foreshore features were delineated by office interpretation of the same photography.

There was no preliminary field inspection of the shoreline.

# 36. Offshore Detail

No unusual problems were encountered in compiling details offshore.

#### 37. Landmarks and Aids

Positions of landmarks and nonfloating aids were determined under Project CM-7508. Refer to the Photogrammetric Plot Report (CM-7508) submitted with this Descriptive Report.

Landmarks were Field inspected to determine their values.

Refer to the 76-40 listings prepared for the date and method of location of each object.

# 38. Control for Future Surveys

No form 524 was submitted.

# 39. Junctions

Refer to form 76-36B, item #5, of the Descriptive Report.

# 40. Horizontal and Vertical Accuracy

No comment.

41. thru 45.

Inapplicable

# 46. Comparison with Existing Maps

A comparison was made with the following USGS quadrangle(s):

Frankford, Pa.-N.J., 1:24,000 scale, 1955 edition, photorevised 1970. Camden, N.J.-Pa., 1:24,000 scale, 1967 edition, photorevised 1973.

No significant differences were noted.

# 47. Comparison with Nautical Charts

A comparison was made with the following charts:

12314, formerly C&GS 296, 1:20,000 scale, 21st edition 5/31/75. 12313, formerly C&GS 280, 1:15,000 scale, 27th edition dated 4/12/75. 12312, formerly C&GS 295, 1:40,000 scale, 31st edition dated 5/31/75.

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by,

G. Vanderhaven

Approved and forward

# Final Review Report CM-7707 Shoreline Survey TP-00239

# 61. General Statement

Since field edit for this map was canceled April 1978, this map is registered as Class III. All landmarks and aids were located in the field for job CM-7508 which covers this same area. The compilation for that project was canceled December 1975 and all landmark and aid information has been applied to this project.

The forms 76-40 are not furnished to charts with this job. Duplicate forms were furnished April 1977 with job CM-7508.

62. - 64. Inapplicable

# 65. <u>Comparison with Nautical Charts</u>

This map was compared with the following:

Chart 12314, pub. 7-30-77, 22nd Edition, 1:20,000 scale

Within the limits of this map three (3) landmarks are shown on this chart plotted from information obtained from job CM-7508. These positions were furnished the Coast Guard for re-positioning buoys. They were not inspected from seaward to determine value as a landmark, and are not shown on this map or listed on the 76-40 form.

# 66. Adequacy of Results and Future Surveys

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

Submitted by,

J. B. Phillips

Approved and Forwarded:

Chief, Photogrammetric Branch

Chief Coastal Mapping Division

### GEOGRAPHIC NAMES

### FINAL NAME SHEET

# CM-7508 (Delaware River)

TP-00239

Back Channel

Bridesburg

Conrail (RR)

Delaware River

Eight Mile Point

Fisher Point

Fisher Point Dike

Five Mile Point

Frankford Creek

Palmyra

Pennsauken

Pennsauken Creek

Petty Island

Philadelphia |

Port Richmond

Approved by:

Staff Geographer - C51x2

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### **RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00239

#### 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 Period.

CHART	DATE	CARTOGRAPHER	A REMARKS
12313	5-79	D. C. Harpine	Full Part Before After Verification Review Inspection Signed Via
(280)			Drawing No. 37
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12312	6-79	D.C. Harpine	Full Part Before After Verification Review Inspection Signed Via
(295)			Drawing No. 44
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