

TP 00255

TP 00255

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-00255
Classification No. III	Edition No. 1
LOCALITY	
State Delaware	
General Locality Delaware River	
Locality Smyrna River to Liston Point	
19 75 TO 19	
REGISTRY IN ARCHIVES	
DATE	

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

12311 (694)

SUMMARY CM-7707
MAPS TP-00246 THRU TP-00256

This summary covers the remaining eleven maps in this project as indicated above. Field edit for these maps was canceled November 16, 1978. They are final reviewed and registered as Class III.

This area was originally scheduled for landmark and aid location under CM-7508. The job was completed in March 1977. All the information obtained for that project 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 project is to furnish a base for new hydrographic surveys and nautical chart updating.

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

It was decided to use the New Jersey State Plane Grid as the major grid in this portion of the project except for TP-00249, TP-00251, TP-00253, and TP-00255 which has the Delaware State Plane Grid as the secondary grid.

Final Review was done in the Rockville, Maryland Office in July and August 1979. Neither the bridging nor compilation photography was available at the time of final review.

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Photogrammetry Division Cdr. James Collins		SURVEY TP. 00255 MAP EDITION NO. 1 MAP CLASS III JOB PH- CM-7707	
OFFICER-IN-CHARGE		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	
JOB PH-		MAP CLASS SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Instructions - AEROTRIANGULATION (CM-7508) 2/4/76 Instructions-OFFICE-CM-7707 3/18/77		Instructions-FIELD (CM-7508) 3/4/75 Instructions-FIELD (CM-7508) Supplement I 7/11/75	
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) National Geodetic Vertical Datum of 1929	
3. MAP PROJECTION Transverse Mercator Projection		4. GRID(S) STATE New Jersey ZONE	
5. SCALE 1:10,000		STATE Delaware ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		R. Kelly 10/15/76 D. Norman 10/15/76	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		V. Connolly 8/31/78 NA	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:10,000 CONTOURS BY CHECKED BY		B. Baldwin 11/3/78 L. Harrod 11/3/78 NA NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Drafting CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		B. Baldwin 11/15/78 L. Harrod 11/17/78 NA NA NA NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		NA	
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		Field Edit Canceled 11/16/78	
7. COMPILATION SECTION REVIEW BY		G. Fromm 3/16/79	
8. FINAL REVIEW BY		F. R. Watts 8/22/79	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		G. Fromm 4/9/79	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		F. R. Watts 8/22/79	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. L. DAUGHERTY NOV 1979	

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

COMPILATION SOURCES

TP-00255

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8(E) Camera
Focal length = 152.71 mmTYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

ZONE

Eastern

☒ STANDARD

MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
75E(C) 8677-8683	4/9/75	1119-1131	1:20,000	+3.74 Ft. MLW

REMARKS

The above photography was ratioed to 1:10,000 scale.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line is the photography listed under
Item I.

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

No mean low water line is depicted on this map.

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-00253 & TP-00254	TP-00256	* TP-00050	No Contemporary Survey

REMARKS

* Map TP-00050 is part of Job PH-6905

HISTORY OF FIELD OPERATIONS

TP-00255

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	March 1975
2. HORIZONTAL CONTROL	RECOVERED BY R. S. Tibbetts	3/75
	ESTABLISHED BY R. S. Tibbetts	3/75
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	3/75
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R. S. Tibbetts	7/25/75
	LOCATED (Field Methods) BY NA	
	IDENTIFIED BY R. S. Tibbetts	7/9/75
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE BY ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	NA
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY NA	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	All field operations were performed under Job CM-7508		

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Refer to 76-40 listings bound with this Descriptive Report

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)

All field records are on file under Job CM-7508

RECORD OF SURVEY USE

TP-00255

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Office review complete	3/16/79	Class III Map Field Edit Canceled		
Final Reviewed prior to registration	8/22/79	Class III Map Field Edit Canceled	10/3/79	

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:

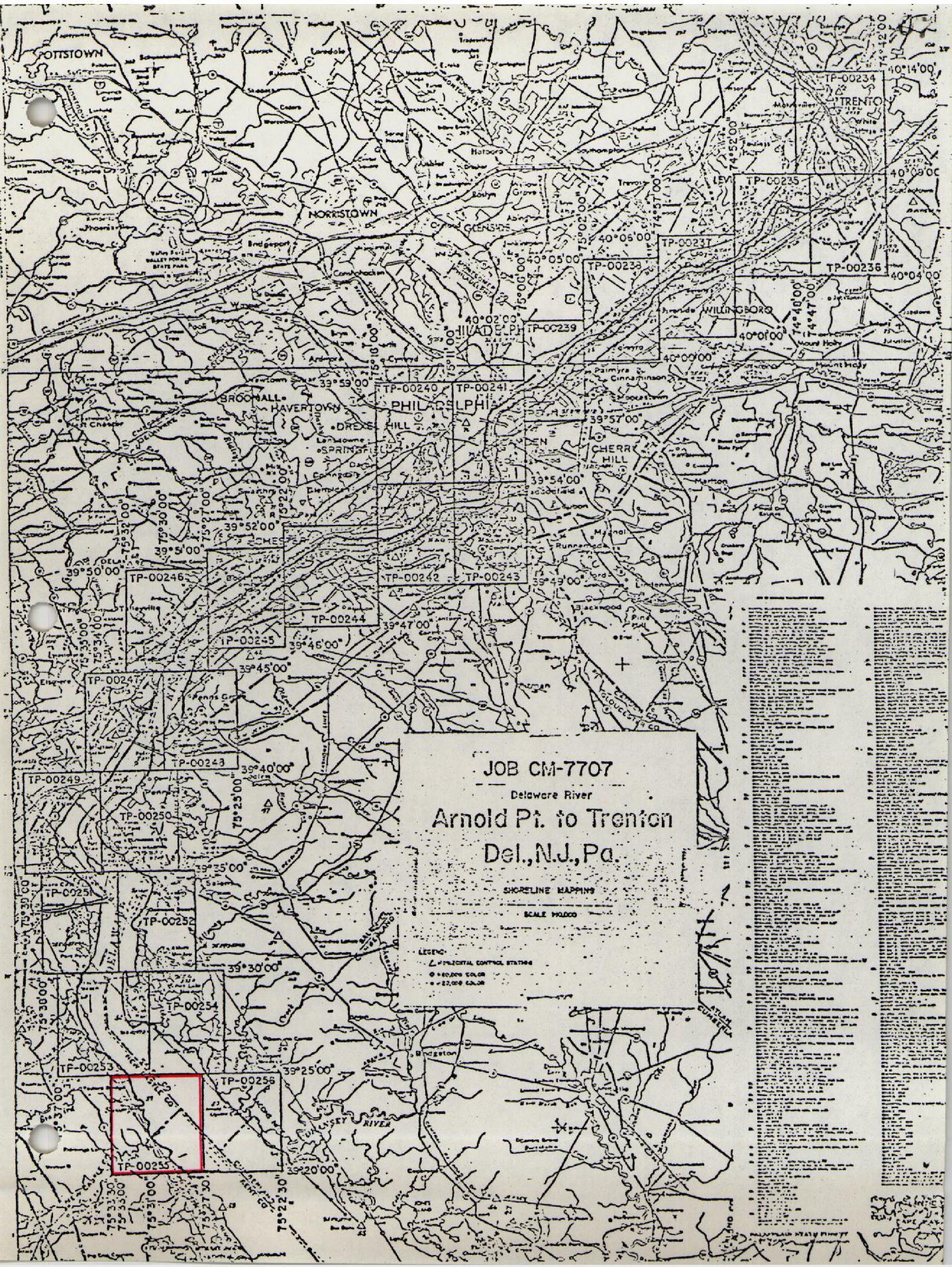
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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 - _____	☐ 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 - _____	☐ 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 - _____	☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

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.



JOB CM-7707

Delaware River

Arnold Pt. to Trenton
Del., N.J., Pa.

SHORELINE MAPPING

SCALE 1:10,000

LEGEND:
• POLYGRAPHIC CONTROL STATION
• 10,000 COLOR
• 25,000 COLOR

PHILADELPHIA STATE PRINTING
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Photogrammetric Plot Report
Delaware River
Arnold Point to Trenton, Delaware, New Jersey
Job CM-78057508
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 completion 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:

Robert B. Kelly
R. B. Kelly

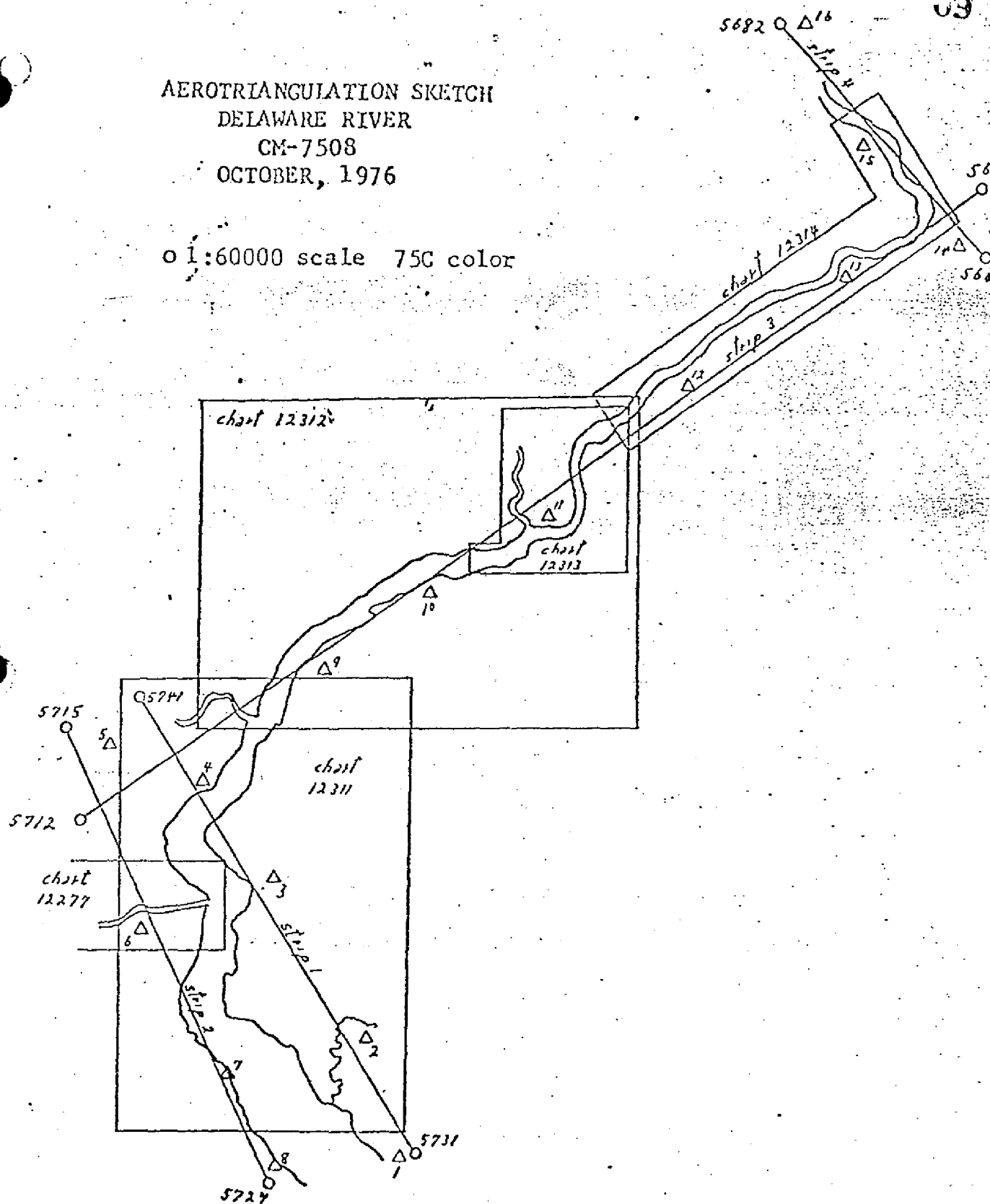
Approved and Forwarded:

John D. Perrow, Jr.

J. D. Perrow, Jr.

AEROTRIANGULATION SKETCH
DELAWARE RIVER
CM-7508
OCTOBER, 1976

01:60000 scale 75C color



fit to control
(feet)

strip 1

1 WELLS, 1975	(0.5, 0.3)
2 WILLIS, 1933	(0.6, 0.5)
3 SALEM, 1933	(0.9, 1.5)
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, 0.8)
7 DELAWARE (USE) 1932	(0.3, 1.0)
8 BOMBAY (USE) 1933	(0.2, 0.5)

strip 3

14 FAIRVIEW, 1933	(0.3, 0.9)
13 STAND RM1, 1933	(0.2, 0.8)
12 PALMYRA RIVERTON-PALMYRA WATER 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)

AEROTRIANGULATION SKETCH

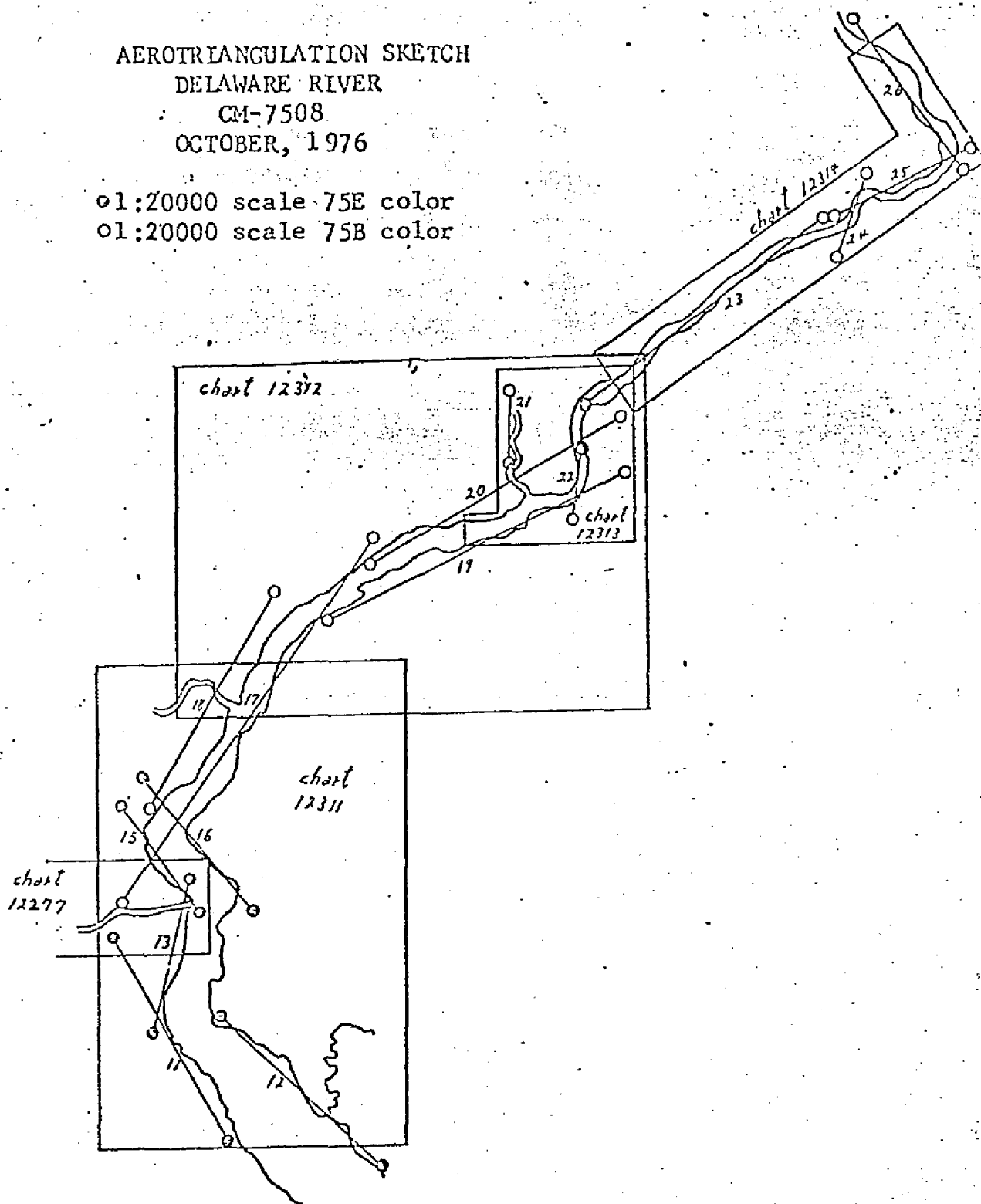
DELAWARE RIVER

CM-7508

OCTOBER, 1976

o1:20000 scale 75E color

o1:20000 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
" 12C 75E(C) 8722-8725

STRIP 13 75E(C) 8777-8784

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) 4879-4882

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 75E(C) 4925-4937

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 determined 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 topographic quadrangles were used to provide vertical control requirements for strip adjustments.

25. Photography

The photography was adequate.

Submitted by,

Don O. Norman

Don O. Norman

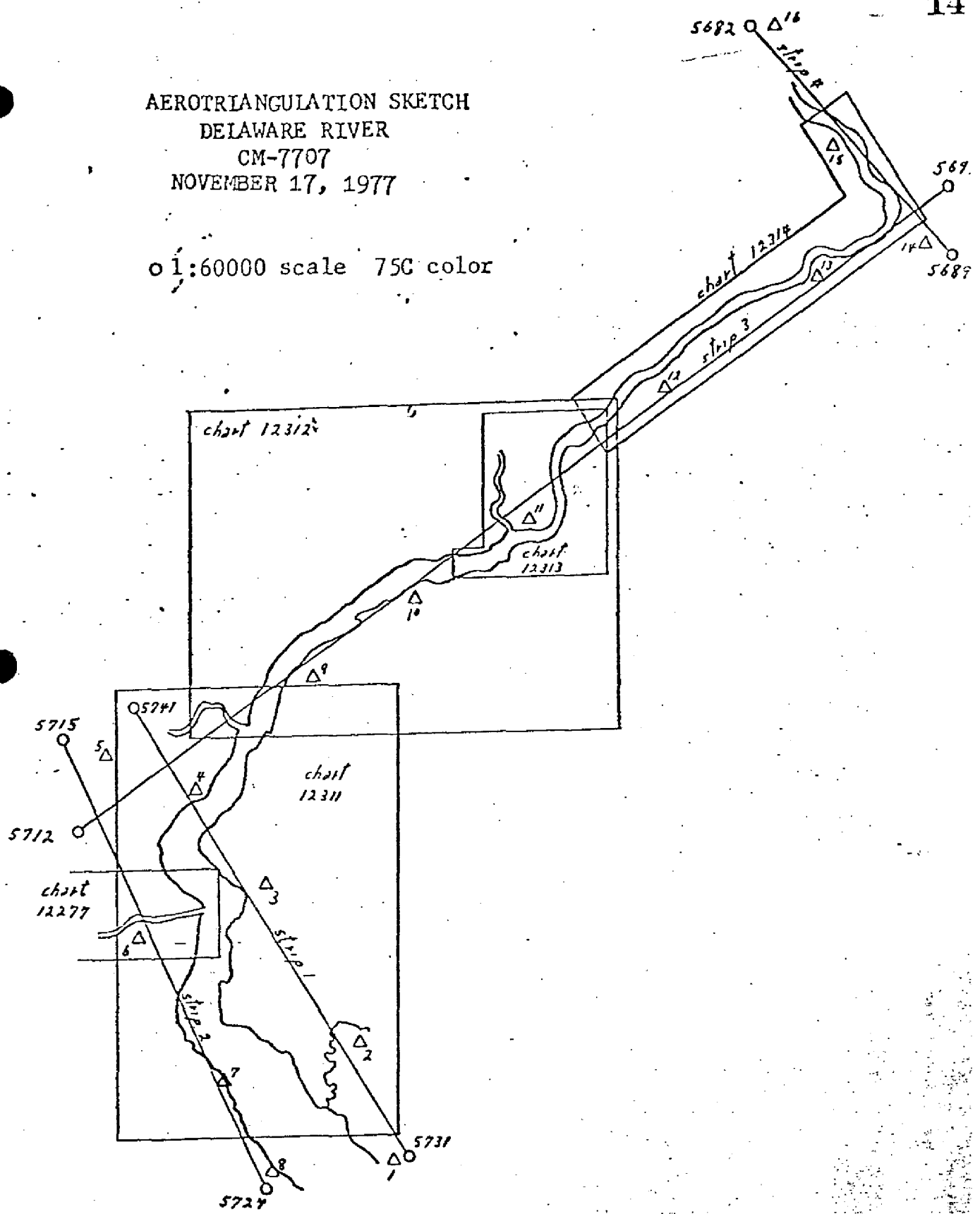
Approved and forwarded:

John D. Perrow, Jr.

John D. Perrow, Jr., Chief,
Aerotriangulation Section

AEROTRIANGULATION SKETCH
DELAWARE RIVER
CM-7707
NOVEMBER 17, 1977

1:60000 scale 75C color



fit to control
(feet)

strip 1

1 WELLS, 1975	(0.5, 0.3)
2 WILLIS, 1933	(0.6, 0.5)
3 SALEM, 1933	(0.9, 1.5)
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, 0.8)
7 DELAWARE (USE) 1932	(0.3, 1.0)
8 BOMBAY (USE) 1933	(0.2, 0.5)

strip 3

14 FAIRVIEW, 1933	(0.3, 0.9)
13 STAND RM1, 1933	(0.2, 0.8)
12 PALMYRA RIVERTON-PALMYRA WATER 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)

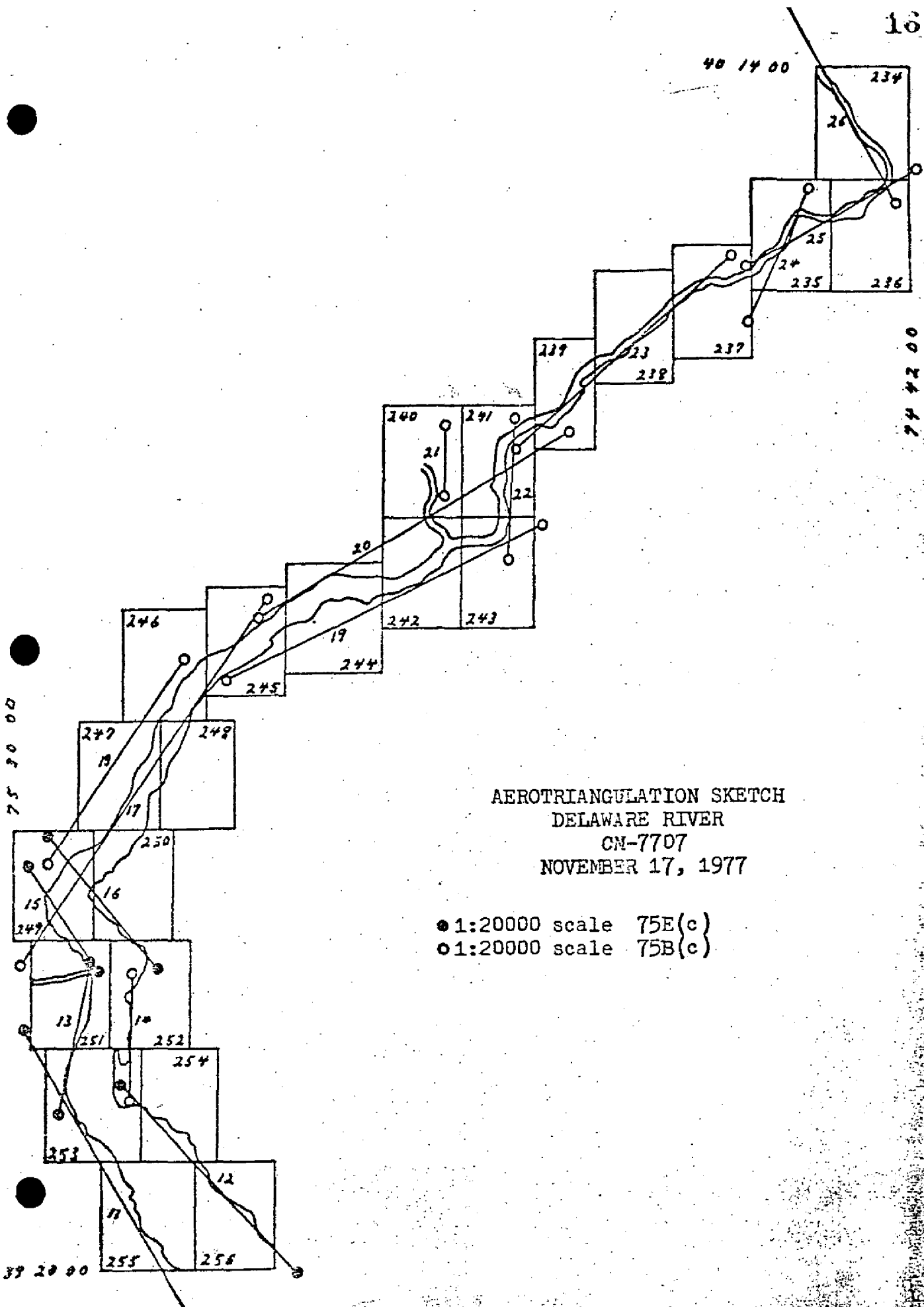
strip 4

16 GOAT HILL, 1876	(0.0, 0.0)
15 YARDLEY MUNICIPAL STANDPIPE, 1933	(0.0, 0.0)
14 FAIRVIEW, 1933	(0.0, 0.0)

40 14 00

74 42 00

75 30 00



AEROTRIANGULATION SKETCH
 DELAWARE RIVER
 CN-7707
 NOVEMBER 17, 1977

- 1:20000 scale 75E(c)
- 1:20000 scale 75B(c)

39 20 00

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

STRIP 11 75E(C) 8674-8691
STRIP 12A 75E(C) 8713-8721
STRIP 12B 75E(C) 8722-8725
STRIP 13 75E(C) 8777-8784
STRIP 14 75B(C) 4730-4736
STRIP 15 75E(C) 8735-8741
STRIP 16A 75E(C) 8746-8751
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) 4792-4795
STRIP 19B 75B(C) 4797-4809

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STRIP 23 75B(C) 4894-4907

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

STRIP 25 75B(C) 4911-4920

STRIP 26 75B(C) 4925-4937

Compilation Report

TP-00255

Field and Aerotriangulation work used to complete this map was performed under Job CM-7508 (Del. River). Field operations consisted of aerial photography, premarking of control, and the location or photo-identifying of landmarks and aids. During bridging operations positions were determined for the field identified objects and those located by photogrammetric 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 Reports bound with this Descriptive Report.

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

33. Supplemental Data - None34. Contours and Drainage

All drainage is from office interpretation of the color photography.

35. Shoreline and Alongshore Details

The mean high water line was compiled by office interpretation of the color photography. No mean low water was compiled for this map.

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 Job CM-7508. Refer to the Photogrammetric Plot Report (CM-7508) submitted

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Final Review Report
CM-7707
Shoreline Survey TP-00255

61. General Statement

Field edit was canceled November 1978 consequently 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 landmarks 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. thru 64. Inapplicable

65. Comparison with Nautical Charts

This map was compared with the following:

Chart 12311, Pub. July 1977, 26th Edition - 1:40,000 scale

66. Adequacy of Results and Future Surveys

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

Submitted by,



F. R. Watts

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Photogrammetry Division

December 12, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7707 (Delaware River, Del., N.J.)

TP-00255

Bakeoven Point

Big Break

Broadway Meadows

Cedar Swamp

Collins Beach

Delaware Bay

Delaware Point

Liston Point

Little Break

Middle Drain

Persimmon Hummock

Pierson Cove

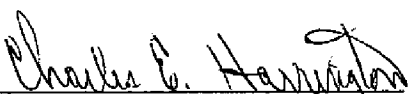
River Shore Ditch

Sluice Race

Smyrna River

Thoroughfare Neck

Approved by:


Charles E. Harrington, C3x8
Chief Geographer

* SVY TP00255 *
* JOB CM-7707 *
* PRJ DEL. RIVER *
* DTM NA 1927 *
* RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 3 *
* STATE DEL. AND N.J. *
* LOCALITY DELAWARE RIVER *
* DATE 01/10/79 *
* PHOTO FIELD PARTY 62 *
* R. TIBBETTS R. WELLS *
* D. NORMAN G. FROMM *
* NOT DIGITIZED *
* G. FROMM *
* PHOTO FIELD PARTY *
* FIELD REPRESENTATIVE *
* OFFICE COMPILER *
* DIGITIZER *
* DATA PROCESSER *

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
* 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
L-LOCATED
V-VERIFIED
1-TRIANGULATION
2-TRAVERSE
3-INTERSECTION
4-RESECTION
P-PHOTOGRAMMETRIC
VIS-VISUALLY
5-FIELD IDENTIFIED
6-THEODOLITE
7-PLANETABLE
8-SEXTANT
A. FIELD POSITIONS* SHOW THE METHOD OF
LOCATION AND DATE OF FIELD WORK.
EXAMPLE F-2-6-L
8-12-76
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

* 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.

CM-7707

Delaware River

TP-Sheets 00246 thru 00256

MATERIAL ON FILE

18 76-41 Forms

Bridging Printouts

List of triangulation stations reported on NOAA Forms 76-96

List of USGS Quad Coverage

" " Chart Coverage

Tide Data

11 Sets (1 set for each map) 76-40 Forms

2 Project Diagrams with flight lines indicated

Compilation Report

Index to 1:60,000 Photos

Delaware River

CM-7707

ON FILE

Strip 1	75C(C) 5729-5743
Strip 2	75C(C) 5715-5724
Strip 3	750(C) 5691-5713
Strip 4	75C(C) 5682-5689

INDEX TO 1:20,000 PHOTOGRAPHS
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CM-7707
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CM-7508

Delaware River

MATERIAL (NAT'L ARCHIVES)

82 76-40 Forms

1 Control Diagram

6 Charts (Field annotated) 12304, 12311, 12277, 12312, 12313,
and 12314

Computer printouts

16 C&GS 738 Forms

19 C&GS 155 Forms

1 Photogrammetric Plot Report

12 76-36C Forms

15 76-72 Forms

410 76-53 Forms

21 76-41 Forms

104 76-40 (Field Copy)

1 Bridging Printout

227 76-96 Forms

Field Inspection Photos:

75E(C) 8755

75E(C) 8672-8691

75E(C) 8710-8729

75E(C) 8774-8785

75B(C) 4729-4738

75E(C) 8730-8742

75E(C) 8743-8754

75B(C) 4739-4763

75B(C) 4764-4786

75B(C) 4787-4811

75B(C) 4812-4838

75B(C) 4839-4849

75B(C) 4878-4888

75B(C) 4894-4910

75B(C) 4911-4921

75B(C) 4922-4937

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00255

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]