

TP 00058

TP-00058

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
THIS MAP WILL NOT BE FIELD EDITED	
Map No. TP-00058	Edition No. 1
Job No. PH-6905	
Map Classification Class III (FINAL)	
Type of Survey SHORELINE	
LOCALITY	
State DELAWARE	
General Locality DELAWARE BAY	
Locality MISPILLION RIVER	
19 ₆₉ TO 19	
REGISTRY IN ARCHIVES	
DATE	

MAP NOT INSPECTED BY
QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION
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

- ☒ ORIGINAL
- ☐ RESURVEY
- ☐ REVISED

SURVEY TF- 00058

MAP EDITION NO. (1)

MAP CLASS III, Final

JOB PH.6905

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division
Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE

Roy Matsushige, CDR

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
- ☐ RESURVEY
- ☐ REVISED

JOB PH- _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation December 10, 1969

Compilation May 12, 1970

Amendment 1 April 1, 1971

Memo (Cancel field edit) December 14, 1979

Memo (Completion Schedule) June 22, 1981

2. FIELD

Field September 26, 1969

Amendment 1 October 7, 1969

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

Polyconic

4. GRID(S)

STATE
Delaware

ZONE

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. Norman	April 1970
METHOD: Analytic	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	J. Demsey	May 1970
METHOD: Coradomat	CHECKED BY	E. Homick	May 1970
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	R. R. White	Oct. 1970
COMPILATION	CHECKED BY	A. Shands	Oct. 1970
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:10,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Blood	
	CHECKED BY	R. Pate	
METHOD: Smooth Draft	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	C. Blood	Nov. 1970
	CHECKED BY	R. Pate	Nov. 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. Pate	Nov. 1970
6. APPLICATION OF FIELD EDIT DATA	BY	S. Kumer (Partial)	Nov. 1972
	CHECKED BY	C. Blood	Nov. 1972
7. COMPILATION SECTION REVIEW Class III	BY	C. Blood	Nov. 1972
8. FINAL REVIEW Class III	BY	L. O. Neterer, Jr.	Dec. 1981
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L. O. Neterer, Jr.	May 1982
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	H. D. Wolfe	MAR 10 1983

NOAA FORM 76-36A

SUPERSEDES FORM C&GS 181 SERIES

Chief, Photo Map and
Imagery Unit
Photogrammetric Branch

★ U.S. G.P.O. 1972-769380/547 REG.#6

NOAA FORM 76-38B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00058
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-9 "M" Wild RC 8 "E" and "K"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Eastern	
				75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
+ 69E(C) 2907	23 Oct. 69	13:37	1:20,000	0.2 ft. below MLW
+ 69E(C) 2947 thru 2950	23 Oct. 69	14:10	1:20,000	0.7 ft. below MLW
*+ 69K(I) 4483 and 4484	23 Oct. 69	13:37	1:20,000	0.2 ft. below MLW
* 69K(I) 4519 thru 4522	23 Oct. 69	14:02	1:20,000	0.1 ft. below MLW
* 69K(I) 4591 thru 4593	23 Oct. 69	15:35	1:20,000	1.1 ft. above MLW
*x 69E(C) 3066 and 3067	24 Oct. 69	11:17	1:40,000	2.7 ft. above MLW
*+ 69K(I) 4679 and 4680	26 Oct. 69	10:51	1:20,000	4.9 ft. above MLW
*+ 69K(I) 4685 thru 4689	26 Oct. 69	11:02	1:20,000	4.8 ft. above MLW
Camera focal length: E = 152.71 mm, K = 151.77 mm, M = 88.20 mm				

REMARKS +Tide coordinated photography
 *Centers not shown on manuscript
 xBridging photography used in the Wild B-8 stereoplottter

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was compiled from the above listed tide coordinated infrared mean high-water photography.

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

The mean low-water line was compiled from the above listed tide coordinated infrared mean low water photography.

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-00056	No Survey	TP-00059	TP-00057

REMARKS

TP-00058

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Pre-marking) ☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. K. Wilson	Oct, 1969
2. HORIZONTAL CONTROL	RECOVERED BY J. K. Wilson	Oct, 1969
	ESTABLISHED BY J. K. Wilson	Oct, 1969
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	Oct, 1969
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 J. K. Wilson	Oct, 1969
	LOCATED (Field Methods) BY J. K. Wilson	Oct, 1969
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
69 M 1594	SLAW, 1969		
69 M 1595	DOCTOR, 1932		

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)

2 - C & G.S. 152 forms
 7 - C & G.S. 524 forms
 3 - C & G.S. 526 forms

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00058
HISTORY OF FIELD OPERATIONS.I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. K. Wilson	Oct. 1970
2. HORIZONTAL CONTROL	RECOVERED BY J. K. Wilson	Oct. 1970
	ESTABLISHED BY J. K. Wilson	Oct. 1970
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	Oct. 1970
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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
69E(C)2906	TS-06, Sub Station A		

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)

- 1 - C & GS 152 form
- 2 - C & GS 525 forms

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Nov. 1970	Class III		
Partial Field edit applied	Nov. 1972	Class III		
Final Review, Class	Dec. 1981	Final, Class III map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
<i>1 form</i>		<i>Nov 1982</i>	Appropriate forms (76-40) are attached with this Descriptive Report

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 ⁷⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

ACCOUNT FOR EXCEPTIONS: *6 forms C465 524 2 forms C465 526 & 525, Photos 69M*

Duplicate copies of final 76-40 forms

1594-1595

- 4.
- ☒
- DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED:
- Nov 1982*

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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

Official Mileage for Cost Accounts

Sheet No.-Area Sq.Mi.

00050	3
00051	1
00052	3
00053	5
00054	3
00055	4
00056	5
00057	4
00058	3
00059	3
00060	2
00061	3
00062	4
00063	2
00116	2
00121	2
00180	7

TOTAL 54

JOB PH-6905
DELAWARE BAY, DELAWARE
COASTAL MAPPING
SCALE 1:10,000

FIVE FATHOM BANK
298
H+01 & ev 6m

DELWARE
298
H+04 & ev 6m

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00058

This 1:10,000 shoreline manuscript is one of seventeen maps that comprise project PH-6905, Delaware Bay, Delaware. This project encompasses the western part of Delaware Bay from Woodland Beach, latitude $39^{\circ}20''$, south to Indian River, latitude $38^{\circ}35'$.

Correspondence, from the Chief of Photogrammetry dated December 14, 1979, called for the cancellation of field edit on TP-00050 through TP-00058 and TP-00116 and registering these as Final Class III maps. Maps TP-00059 through TP-00063, TP-00121 and TP-00180 were field edited and are to be registered as Final maps.

The purpose of the project was to provide shoreline data in support of hydrographic operations and to aid in Nautical Chart revision.

Field work prior to compilation was accomplished in October 1969; this involved the identification of horizontal control by premarking methods in order to meet aerotriangulation control requirements.

Photographic coverage was provided in October 1969 for aerotriangulation using Panchromatic film with the "M" Camera at 1:80,000 scale. Compilation photography was taken using color film in the "E" camera at 1:20,000 scale. Infrared high and low water photography was taken using the "K" camera at 1:20,000 scale.

Analytic aerotriangulation was performed at the Washington Science Center in April 1970.

Compilation was performed at the Atlantic Marine Center in November 1970. No copies of the Class III map were submitted for field edit.

Partial field survey data was applied using distances to the mean high-water line from hydro signals which were established as control, for the NOAA Ship WHITING, in July 1970.

The final review was performed at the Atlantic Marine Center in December 1981. Cancellation of field edit requires this map to be registered as a final Class III map compiled from office interpretation of the 1969 photography.

This descriptive report contains all pertinent information used to compile the final Class III map.

The original base manuscript and all pertinent data were forwarded to the Washington Science Center for final registration.

7

FIELD INSPECTION

TP-00058

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
PH-6905
Delaware Bay

April 3, 1970

21. Area Covered

The area covered in this project is the southwest shore of Delaware Bay. The manuscripts are TP-50 through TP-62 and TP-116 at 1:10,000 scale and TP-63 at 1:5,000 scale.

22. Method

Two strips of 1:80,000 scale panchromatic photography and one strip of 1:30,000 scale color photography were bridged by analytic aerotriangulation methods. Points were selected on the 1:80,000 scale photography common to the 1:40,000 and 1:20,000 scales to be used for compilation of the 1:10,000 scale manuscripts and as an aid during hydrography. Similarly, the 1:30,000 scale bridging photography was used to control the 1:10,000 scale photography for compilation of the 1:5,000 scale manuscript. Attached are sketches showing strips bridged and legend with fit to control.

23. Adequacy of Control

The horizontal control was adequate. Nevertheless, the following discrepancy should be noted: a substitute station was established for LEWES COAST GUARD LIFE SAVING STATION MAST, 1962 which appears in two strips. A discrepancy of 6.5 degrees in azimuth was found between the two azimuth stations from which angles were turned to the substitute station. When the position was computed using the azimuth from Delaware Breakwater West End Light, 1933 the discrepancy in both strips was approximately 13 feet. When the position was computed using the azimuth from LEWES WEST OIL FACTORY CHIMNEY, 1962 the fit to control was excellent. This latter position is evidently correct. No reason could be found for the discrepancy.

24. Supplemental Data

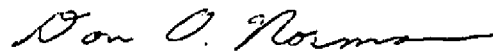
Elevations were taken from USGS topographic quadrangles to meet the vertical control requirements.

-2-

25. Photography

The photography was adequate.

Respectfully submitted,



Don O. Norman

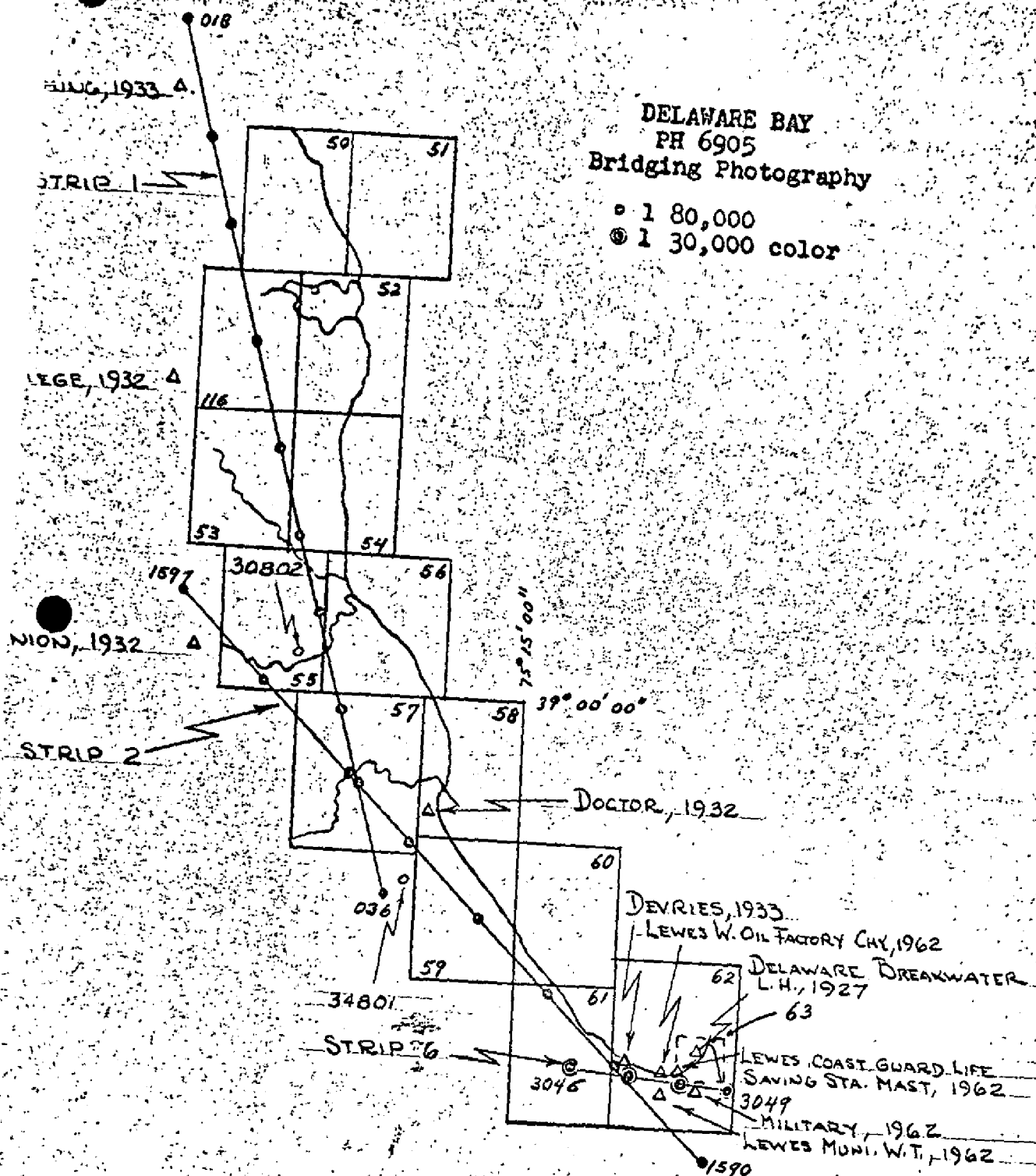
Approved and Forwarded,



Henry P. Eichert, Chief
Aerotriangulation Section

DELAWARE BAY
PH 6905
Bridging Photography

- 1 80,000
- ⊙ 1 30,000 color



LEGEND

- ▲ CONTROL USED IN ADJUSTMENT
- ▲ CLOSURES OF BRIDGE TO CONTROL SHOWN IN PARENTHESES
- ▲ CONTROL USED AS CHECK

STRIP 1

- ▲ FLEMING, 1933 SUB. A (-40, +1.06)
- ▲ COLLEGE, 1932 RM2 SUB. A (+2.20, -2.51)
- ▲ 30802 TIE POINT
- ▲ UNION STA. A (-6.36, +2.28)
- ▲ DOCTOR, 1932 RM6 (-4.23, +6.75)
- ▲ 34301 TIE POINT (+1.92, -.57)

STRIP 2

- ▲ MILITARY, 1962 SUB. A (+.56, +1.26)
- ▲ MILITARY, 1962 SUB. B (0.0, 0.0)
- ▲ LEWES COAST GUARD LIFE SAVING STA. SUB. A (-96, -.77)
- ▲ DEVRIES, 1962 RM (+1.66, -1.83)
- ▲ DEVRIES, 1933 (+1.86, +.94)
- ▲ DOCTOR, 1932 RM 6 (0.0, 0.0)
- ▲ UNION, 1932 SUB. A (0.0, 0.0)

STRIP 6

- ▲ DEVRIES, 1962 RM (0.0, 0.0)
- ▲ DEVRIES, 1933 SUB. A (-.02, -.11)
- ▲ LEWES COAST GUARD LIFE SAVING STA. Mast SUB. A (+1.05, 4.06)
- ▲ LEWES MUNI. WATER TANK, 1962 (+.75, -1.22)
- ▲ LEWES W. OIL FACTORY CHY., 1962 (+2.54, +.36)
- ▲ MILITARY, 1962 SUB. A (0.0, 0.0)
- ▲ MILITARY, 1962 SUB. B (-.81, +.45)
- ▲ DELAWARE BREAKWATER L.H., 1927 (-.76, +.39)

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00058	JOB NO. PH-6905	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM NA 1927		ORIGINATING ACTIVITY Coastal Mapping Division, AMC	
					COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS	
DOCTOR, 1933 (DEL.)	GP Vol #1 Pg. 11			NA 1927	X=	ϕ 38°56'08.069"	248.8 (1601.4)	
					Y=	λ 75°19'06.144"	148.0 (1297.1)	
MISPILLION RIVER, FLASHING LIGHT (DEL.) 1933	GP Vol #1 Pg. 64			NA 1927	X=	ϕ 38°56'50.423"	1554.9 (295.3)	
					Y=	λ 75°18'55.694"	1341.2 (103.6)	
MISPILLION RIVER JETTY LIGHT 1969	REC. NOTE FORM 526			NA 1927	X=	ϕ 38°56'11.243"	346.7 (1503.5)	
					Y=	λ 75°17'54.683"	1317.0 (128.1)	
					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 Richard White				DATE 4/27/70	COMPUTATION CHECKED BY Charles Blood		DATE 4/30/70	
LISTED BY				DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY		DATE	

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

COMPILATION REPORT

TP-00058

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter using 1:40,000 scale, 1969 color photography. Common detail points were selected and transferred to the 1:20,000 scale color hydro support and infrared photography, which were used to compile both mean high and mean low-water lines graphically.

32. CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated 3 April 1970.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was delineated by the Wild B-8 stereoplotter and office interpretation of the photography.

35. SHORELINE AND ALONGSHORE DETAILS

The mean-high water line and alongshore details were delineated by the Wild B-8 stereoplotter and office interpretation of the aerial photographs.

36. OFFSHORE DETAILS

All shoreline details were compiled by office interpretation of the photographs. No unusual problems were encountered.

37. LANDMARKS AND AIDS

Appropriate copies of the 76-40 forms are submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

None

TP-00058

39. JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the following U. S. Geological Survey Quadrangle: Mispillion River, Delaware, scale 1:24,000 dated 1955.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey chart: 1218 scale 1:80,000, 16th edition dated October 25, 1969 (corrected through Notice to Mariners 43-1969).

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Charles Blood
Charles Blood
Cartographic Technician

Date: 19 November 1970

Approved:

for *Billy A. Bam*
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

REVIEW REPORT

SHORELINE

TP-00058

61. GENERAL STATEMENT:

See Summary included with this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. quadrangle; Mispillion River, Delaware, scale 1:24, 000 dated 1955.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey was conducted in the area pertaining to this Final Class III map.

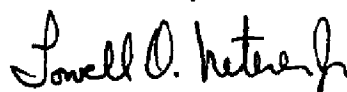
65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with N.O.S. chart 12304, 27th edition, March 28, 1981, 1:80,000 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the project instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:



Lowell O. Neterer, Jr.
Final Reviewer
August 4, 1981

Approved for forwarding:



Billy H. Barnes
Chief, Photogrammetric Branch, AMC

July 28, 1981

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6905 (Delaware Bay, Delaware)

TP-00058

Big Stone Beach (Ppl)

Cedar Beach (Ppl)

Cedar Creek

Conch Bar

Crooked Gut

Delaware Bay

Grecos Canal

Mispyllion Light (Ppl)

Mispyllion River

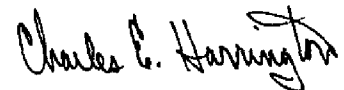
Rawley Island

Sheppards Island

Slaughter Beach (Ppl)

Slaughter Creek

Approved by:



Charles E. Harrington
Chief Geographer, OA/C3x5

Information of Dissemination of Project Material

PH-6905

Delaware Bay

NATIONAL ARCHIVE/FEDERAL RECORD CENTER

Computer Readout

Control Station Identification Cards

Field Edit Ozalids

Field Photographs

NOAA Form 76-41 (Descriptive Report Control Record)

Project Diagrams

Plot Report

Bureau Archives

Descriptive Report

Registered Maps

Reproduction Division

8x Reduction Negative of Each Maps

Office of Staff Geographer

Geographer Names Standard

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	Charles Blood
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter '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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

