# TP-00051

NOAA FORM 76-35					
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION					
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY					
DESCRIPTIVE REPORT					
THIS MAP EDITION WILL NOT BE FIELD EDITED					
Map No. Edition No.					
TP-00051 1					
Job No.					
PH-6905 Map Classification					
Class III (FINAL) Type of Survey					
SHORELINE					
LOCALITY					
State					
DELAWARE					
General Locality					
DELAWARE BAY					
Locality					
GOOSE POINT					
· · · · · · · · · · · · · · · · · · ·					
19 69 TO 19					
1/ ** 10 1/					
REGISTRY IN ARCHIVES					
DATE					

\*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

MAP NOT INSPECTED BY

QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION

PRIOR TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD  TYPE OF SURVEY  DOES PH			
DESCRIPTIVE REPORT - DATA RECORD  TYPE OF SURVEY  DOB PH-  DOB PH- DOB PH-  DOB PH- DOB PH	NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	TYPE OF SURVEY	SURVEY TP. 00051
PROTOGRAMMETRIC OFFICE COASTAI Mapping Division, AMC Norfolk, Virginia  OFFICERINCHARGE ROY MATERIALISHING, CDR  L MSTRUCTIONS DATED  L OFFICE  Aerotriangulation December 10, 1969 Compilation May 12, 1970 Amendment I April 1, 1971 Memo (Cancel field edic) December 14, 1979 Memo (Completion Schedule) June 22, 1981  IL MORIZONTAL: Mischarder Memorater Memo	The state of the s	ORIGINAL	
Bayisto   Joa   PH-5905	DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS III Final
Coastal Mapping Division, AMC   Norfolk, Virginia   OFFICER-IN-CHARGE   Roy Matsushige, CDR   OFFICER-IN-CHARGE   Roy Matsushige, CDR   OFFICER-IN-CHARGE   OFFICER-IN-CHARGE   OFFICER-IN-CHARGE   OFFICER		REVISED	јов <b>рн.<u>6905</u></b>
Coastal Mapping Division, AMC Norfolk, Virginia   Completion Schedule   Completion Sched		LAST PRECEED	ING MAP EDITION
NOTIOIK, VITEINIA  OFFICER-IN-CARAGE ROY Matsushige, CDR  I. IMSTRUCTIONS DATED  Aerotriangulation December 10, 1969 Compilation May 12, 1970 Amendment I April 1, 1971 Memo (Cancel-field edit) December 14, 1979 Memo (Completion Schedule) June 22, 1981  II. DATUMS  I. HORIZONTAL: X 1927 NORTH AMERICAN  II. HORIZONTAL: MEM MEAN LOWNATER MEMALE NORMATER  STATE Delbuware  2. VERTICAL: MEMALE NORMATER  3. MAP PROJECTION  POlyconic  5. SCALE 110,000  III. MISTORY OF OFFICE OPERATIONS  OPERATIONS  OPERATIONS  OPERATIONS  NAME DATE  1. AEROTRIANGULATION METHOD: Analytic  C. CONTROL AND BRIDGE POINTS METHOD: Coradomat Correctores  A. Shands  June 1972  CHECKEO BY A. Shands June 1972  CHECKEO BY A. Shands June 1972  CHECKEO BY A. Shands July 1972  CONTOURS BY R. White June 1972  CONTOURS BY R. White July 1972  CONTOURS BY R. R. White July	1		
Roy Matsushige, CDR  I. INSTRUCTIONS DATED  I. OFFICE  Aerotriangulation December 10, 1969 Compilation May 12, 1970 Amendment I April 1, 1971 Memo (Cancel field edit) December 14, 1979 Memo (Cancel field edit) December 14, 1979 Memo (Completion Schedule) June 22, 1981  II. DATUMS  II. HORIZONTAL: Mark High-Water Memory March 1971  Amendment I Memory Mark Mark Mark Mark Mark Mark Sale Level  II. MARY MARK HORN LOW WATER MARK MARK MARK SALE VEL  S. SCALE STATE SONE  III. MISTORY OF OFFICE OPERATIONS  OPERATIONS  OPERATIONS  III. METHOD: Analytic LANDMARKS AND AIDS BY  III. METHOD: Analytic LANDMARKS AND AIDS BY  S. STATE SONE  III. Dempsey March 1971 Memory Or Office March Mark Mark Mark March 1971  S. STATE SONE  III. Dempsey March 1971  S. STATE SONE  III. Dempsey March 1971  April 1970  CHECKEO BY A. Shands June 1972  CONTOURS BY  MARCH 1971  AMANUSCRIPT DELINEATION PLANIEUR BY SALE: 1:10,000  MARCH 1971  MARCH OFFICE MARCH MARCH BY SALE: 1:10,000  MARCH 1971  AMANUSCRIPT DELINEATION PLANIEUR BY SALE: 1:10,000  MARCH 1971  AMANUSCRIPT DELINEATION PLANIEUR BY SALE: 1:10,000  MARCH 1972  CONTOURS BY A. L. Shands July 1972  CONTOURS BY A. L. Shands July 1972  A. L. Shands July 1972  A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. COMPILATION SECTION REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. FINAL REVIEW CLASS III BY A. L. Shands July 1972  B. CONTOURS BY CONTOU		1 :	
L INSTRUCTIONS DATED  Aerotriangulation December 10, 1969 Compilation April 1, 1970 Amendment I April 1, 1971 Memol (Campel-field-edie) December 14, 1979 Memo (Completion Schedule) June 22, 1981  II. BATUMS  II. HORIZONTAL: Distribution MEAN LOWER LOW WATER DELINGTON MEAN LOW WATER DELINGTON STATE  STATE  OPERATIONS  II. HISTORY OF OPFICE OPERATIONS  III. D. NOTHER (Specify)  OTHER (Specify)  III. A. GRIDISIA  III. A. G	1	RESURVEY	SURVEY DATES:
Aerotriangulation December 10, 1969 Compilation May 12, 1970 Amendment I April 1, 1971 Mémol (Cancel field édit) December 14, 1979 Memo (Completion Schedule) June 22, 1981  II. DATUMS  I. HORIZONTAL: District Mean Individual Field Mann Individual Field	koy matsusnige, CDK	REVISED	19TO 19
Aerotriangulation December 10, 1969 Compilation May 12, 1970 Amendment I April 1, 1971 Mémó-(Cancel-field édit) December 14, 1979 Memo (Completion Schedule) June 22, 1981  IL DATUMS  IL HORIZONTAL:	I. INSTRUCTIONS DATED		
Compilation May 12, 1970 Amendment I April 1, 1971 Mémo (Concel-field edit)December 14, 1979 Memo (Completion Schedule) June 22, 1981    I. DATUMS	1, OFFICE	2.	FIELD
1. HORIZONTAL:	Compilaiton May 12, 1970 Amendment I April 1, 1971 Mémo (Cancel-field édit) December 14, 1979	1	
1. HORIZONTAL:			
1. HORIZONTAL:	II. DATUMS	OTHER (Specify)	
2. VERTICAL:	1. HORIZONTAL: A 1927 NORTH AMERICAN	(opcomy)	
Polyconic   STATE   ZONE   Delaware   STATE   ZONE   Delaware   STATE   ZONE   Delaware   STATE   ZONE	2. VERTICAL: MEAN LOW-WATER    MEAN LOWER LOW-WATER	OTHER (Specify)	
Delaware   State   S	3. MAP PROJECTION	4.	GRID(S)
S. SCALE   1:10,000	Polyconic	STATE	ZONE
1:10,000  III. HISTORY OF OFFICE OPERATIONS  OPERATIONS  OPERATIONS  D. Norman  April 1970  April 1970  April 1970  April 1970  D. Norman  April 1970  April 1970  April 1970  D. Norman  April 1970  April 1970  April 1970  April 1970  D. Norman  April 1970  A			
NAME   DATE		STATE	ZONE
DATE		<u> </u>	<u> </u>
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY 2. CONTROL AND BRIDGE POINTS METHOD: COTADOMAT CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY INTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:10,000 CHECKED BY CHECKED BY CHECKED BY A. L. Shands July 1972  4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED B		T	
METHOD:   Analytic   Landmarks and aids by			
2. CONTROL AND BRIDGE POINTS METHOD: COradomat CHECKED BY CHECKED		D. NOTHAL	Apr 1, 1970
METHOD:   Coradomat   CHECKED BY   E.   Homick   March   1971		J. Dempsey	March 1971
3. STEREOSCOPIC INSTRUMENT CHECKED BY CHECKED BY CHECKED BY A. Shands June 1972    NA   SCALE: 1:10,000   CHECKED BY NA			
INSTRUMENT: Wild B-8  SCALE: 1:10,000  CHECKED BY A. MANUSCRIPT DELINEATION  PLANIMETRY BY CHECKED BY A. L. Shands  July 1972  CONTOURS BY CONTOURS BY CHECKED BY A. L. Shands  July 1972  CHECKED BY A. L. Shands  July 1972  A. L. Shands  July 1972  CHECKED BY A. L. Shands  July 1972  SCALE: 1:10,000  CHECKED BY A. L. Shands  July 1972  A. L. Shands  July 1972  A. L. Shands  July 1972  CHECKED BY A. L. Shands  July 1972  CHE			
### SCALE: 1:10,000   CHECKED BY NA    4. MANUSCRIPT DELINEATION   PLANIMETRY BY R. R. White   July 1972	COMPILATION CHECKED BY	A. Shands	June 1972
A. MANUSCRIPT DELINEATION			
CHECKED BY   A. L. Shands   July 1972			
CONTOURS BY CHECKED BY   NA			
CHECKED BY  SCALE: 1:10,000  CHECKED BY  A. L. Shands  July 1972  CHECKED BY  A. L. Shands  July 1972  A. L. Shands  July 1972  CHECKED BY  A. L. Shands  July 1972  CHECKED BY  A. L. Shands  July 1972  CHECKED BY  None  CHECKED BY  None  CHECKED BY  None  CHECKED BY  A. L. Shands  July 1972  CHECKED BY  None  CHECKED			July 1972
HYDRO SUPPORT DATA BY ROMR. White July 1972  5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY A. L. Shands July 1972  6. APPLICATION OF FIELD EDIT DATA  CHECKED BY NONE.  7. COMPILATION SECTION REVIEW CLASS III BY A. L. Shands July 1972  8. FINAL REVIEW CLASS III BY L. O. Neterer, Jr. July 1981  9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr. May 1982	метнор: Smooth Draft		
CHECKED BY A. L. Shands July 1972  5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY A. L. Shands July 1972  6. APPLICATION OF FIELD EDIT DATA  CHECKED BY NONE.  7. COMPILATION SECTION REVIEW CLASS III BY A. L. Shands July 1972  8. FINAL REVIEW CLASS III BY A. L. Shands July 1972  9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr. May 1982  10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY L. D. Neterer, Jr. May 1982	HYDRO SUPPORT DATA BY		July 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT  6. APPLICATION OF FIELD EDIT DATA  CHECKED BY  None  7. COMPILATION SECTION REVIEW CLASS III  8. FINAL REVIEW  CLASS III  9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH  BY  10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH  BY  11. D. MILESO  May 1982	scale: 1:10.000		
6. APPLICATION OF FIELD EDIT DATA  CHECKED BY  None  7. COMPILATION SECTION REVIEW CLASS III  8. FINAL REVIEW  CLASS III  9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH  10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH  BY  NONE  NONE  NONE  1. O. Neterer, Jr.  May 1982	5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		
7. COMPILATION SECTION REVIEW CLASS III BY A. L. Shands July 1972  8. FINAL REVIEW CLASS III BY L. O. Neterer, Jr. July 1981  9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr. May 1982  10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY L. D. May 1982	6. APPLICATION OF FIELD EDIT DATA	J	
8. FINAL REVIEW CLASS III BY L. O. Neterer, Jr. July 1981 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr. May 1982 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY L. D. 1818	CHECKED BY		
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr. May 1982  10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY L. D. MILITER DE MAY 1982	· · · · · · · · · · · · · · · · · · ·		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			1
			. <u>may 1982</u>
		H. D. Wolfe	MA) 10 100

NOAA FORM 76-36A SUPERSED

SUPERSEDES FORM C&GS 181 SERIES

C'ang P. 1010 P. 20 Character 1972-769382/582 REG.#6

	NOAA FORM 76-36B			NATIONAL OCEA			OF COMMERCE
			TP-00051				OCEAN SURVEY
		CON	APILATION SOU	RCES			
•	1. COMPILATION PHOTOGRAPHY	<del></del>	···	<del></del>			
	CAMERA(S)		TYPES OF BL	HOTOGRAPHY	1		
	Wild RC-8. "E" & "K", Wi	ld RC-9 "M"		END	1	TIME REFER	ENCE
	TIDE STAGE REFERENCE	····			ZONE		
	PREDICTED TIDES		(P) PANCHRON		Easter	n	XXSTANDARD
	REFERENCE STATION RECORDS		(P) PANCHRON		MERIDIAN		DAYLIGHT
	X TIDE CONTROLLED PHOTOGRAP	нү	<u> </u>		75th		
	NUMBER AND TYPE	DATE	TIME	SCALE		STAGE OF T	TIDE
+	69E(C)-2921 thru 2122	23 Oct., 69	1351	1:20,000	0.2 ft	. below 1	MLW
*	69K(I)-4716 thru 4718	26 Oct., 1969		1:20,000	0.0 ft	. above l	MHW
*	69K(I)-4496 thru 4497	23 Oct., 1969		1:20,000	0.2 ft	. above 1	MLW
		-					
					İ		
				1			
	Camera focal length	F=152 71	mm: V = 151	77 mm M -	- 69 20	_	
	DEMARKS			, / mm, Pi -	- po.20 III	<u> </u>	
	*Centers not show		-				
	+Tide coordinated	l photography	У				
	2. SOURCE OF MEAN HIGH-WATER I	INE:					
	The MILL Line tree	compiled for	om +6 o oborro	Tintol ti	1		Eugand
	The MHW Line was mean high water p		om the above	-iistea tit	ie coordii	nated in	irared
i	mean night water i	motography.					
	3. SOURCE OF MEAN LOW-WATER O	R MEAN LOWER LO	OW-WATER LINE:				
						•	
	The MLW Line was		om the above	-listed tid	le coordin	nated in	trared
	mean low water ph	otograpny.					
- 1							
						·	·
l	4. CONTEMPORARY HYDROGRAPHI	C SURVEYS (List o	only those surveys ti	hat are sources to	r photogrammet	ric survey in	(ormation.)
ļ	SURVEY NUMBER DATE(S)	SURVEY COR			DATE(S)		COPY USED
ĺ	SUNVEY NUMBER DATE(S)	SURVETCOR	- T USED   SURVE	I NUMBER	DATE(S)	SURVE	COPY USED
	1			ļ			
ł	5. FINAL JUNCTIONS						**
ł		ST	SOUTH	(	WE	ST	
	No Survey No	Survey	TP-0	0052	דין	2-00050	
	REMARKS		111 0		11	. 00020	
١							

NOAA FORM 76-36C 3-72)		NATIONAL OCEANIC AN	ID ATMOSPHERH	ENT OF COMMERC C Administrational ocean surve
	TP-00051 HISTORY OF FIELD	OPERATIONS.		
1. X FIELD INSPECTION	OPERATION (Premarking)FIEL	DEDIT OPERATION.		
	OPERATION	NAME		DATE
1. CHIEF OF FIELD PART	·Y	J. K. Wilson		Oct. 1969
	RECOVERED BY	J. K. Wilson		Oct. 1969
2. HORIZONTAL CONTRO	L ESTABLISHED BY	None		
	PRE-MARKED OR IDENTIFIED BY	None		
	RECOVERED BY	N.A.		
3. VERTICAL CONTROL	ESTABLISHED BY	N.A.		
	PRE-MARKED OR IDENTIFIED BY	N.A.		1
•	RECOVERED (Triangulation Stations) BY	None		-
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY	None		
7,100	1DENTIFIED BY TYPE OF INVESTIGATION	None	***	<del> </del>
	COMPLETE			
5. GEOGRAPHIC NAMES INVESTIGATION	SPECIFIC NAMES ONLY			
	V NO INVESTIGATION			
S. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None		
7. BOUNDARIES AND LIMI		None		
I. SOURCE DATA				
. HORIZONTAL CONTRO None		2. VERTICAL CONTROL N.A.	IDÉNTIFIED	
PHOTO NUMBER	STATION: NAME	PHOTO NUMBER	STATION DES	SIGNATION
3. PHOTO NUMBERS (Clar.	ification of details)	, , , , , , , , , , , , , , , , , , , ,		
None				
4. LANDMARKS AND AIDS	TO NAVIGATION IDENTIFIED	<del></del>		
None				
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
5. GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AND LIMI	TS: REPO	RT X NONE
7. SUPPLEMENTAL MAPS				
None				
. OTHER FIELD RECORD	S (Sketch books, etc. DO NOT list data submit	ted to the Geodesy Division	)	
1-form 524 2-forms C & GS	526			

HOAA	FORM	76-360
12.721		

NOAA FOI (3-72)	RM 76-36D		N	IATIONAL OC	CEANIC A	U. S. DEPA ND ATMOSP	RTMEN	T OF COMMERC Administratio
		RECO	RD OF SURVE	Y USE		7	P-00	051 4
I. HANUSC	RIPT COPIES	<del></del>	<del></del>				<del></del>	
	Co	MPILATION STAGE	S			DATE MAI	NUSCRI	T FORWARDED
	DATA COMPILED	DATE	RE	EMARKS		MARINE CH	CARTS	HYDRO SUPPO
-	ation complete field edit	July 1972	Class II	I	-			
Final	Review, Class III	Aug. 1981	Final, Cla		_		ntigg Minister Minist	
				Predicti				
	IARKS AND AIDS TO NAVIGA		Salar etleridikai, be				22 m. 2 m. 1 m. 1 m. 1 m. 1 m. 1 m. 1 m.	mada ay persi
1. REP	ORTS TO MARINE CHART DI	VISION, NAUTICAL	DATA BRANCH	소 및 ee - 101 도구		AMERICAN AND AND AND AND AND AND AND AND AND A	aपूर्य 	
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED		11.24	REM	ARK\$		
				s III			g g e em	, garage
 •-	· · · · · · · · · · · · · · · · · · ·		ore 4 to 50	tere and experience of the same of the sam	erije,			
		<sup>1</sup> Constant					20.1	e de la companya del companya de la companya del companya de la co
							•	
				es es				
	REPORT TO MARINE CHART REPORT TO AERONAUTICAL						RDED:	A STATE OF THE STA
	RAL RECORDS CENTER DAT		eles ( Takeshar , 1871		See a di		 3,30 a	1.25
D	BRIDGING PHOTOGRAPHS;	X DUPLICATE	BRIDGING REPO	RT. WX C	OMPUTE	R READOUT	5.	
" · 2. 🔀	CONTROL STATION IDENTI	FICATION CARDS:	FORM NO	S SOU SUBMI	TTEO BY	FIELD PAR	TIES.	The second secon
3. [X]	SOURCE DATA (except for G. ACCOUNT FOR EXCEPTION	eographic Names Re S: 🚅 🚅 🖘 🥌	port) AS LISTED	IN SECTION	II; NOAA	FORM, 76-36C		
				" Caga	J (2 6		A There is the second	
4 🔯	DATA TO FEDERAL RECOR	OS CENTER. DAT	E FORWARDED:	Nov	198	2		
_	EY EDITIONS (This section s		~					e de la companya de La companya de la co
	SURVEY NUMBER	JOB NUMBE				TYPE OF SU	RVEY	1 15 1 A 1 A 4 325.
SECOND	TP-	(2) · PH			REY	/ISED	RESU	JRVEY A
EDITION	DATE OF PHOTOGRAPH	Y DATE OF FI	ELD EDIT			MAP CLA	_	
	SURVEY NUMBER	JOB NUMBE	R	<u> </u>	<u> </u>	☐IV.	LIV.	FINAL
THIRD	TP -	(3) PH				ISED I		RVEY
EDITION			ELD EDIT	<b> </b>		MAP CLA		
	4				□m.	□iv. I		FINAL
in the	SURVEY NUMBER	JOB NUMBE	R CONTROL OF THE CONT	*		YPE OF SU	'	
FOURTH	τρ	M PAR .			AFV	USED COST	RESO	RVEV

JOB NUMBER

 $\square a$ .

DATE OF FIELD EDIT



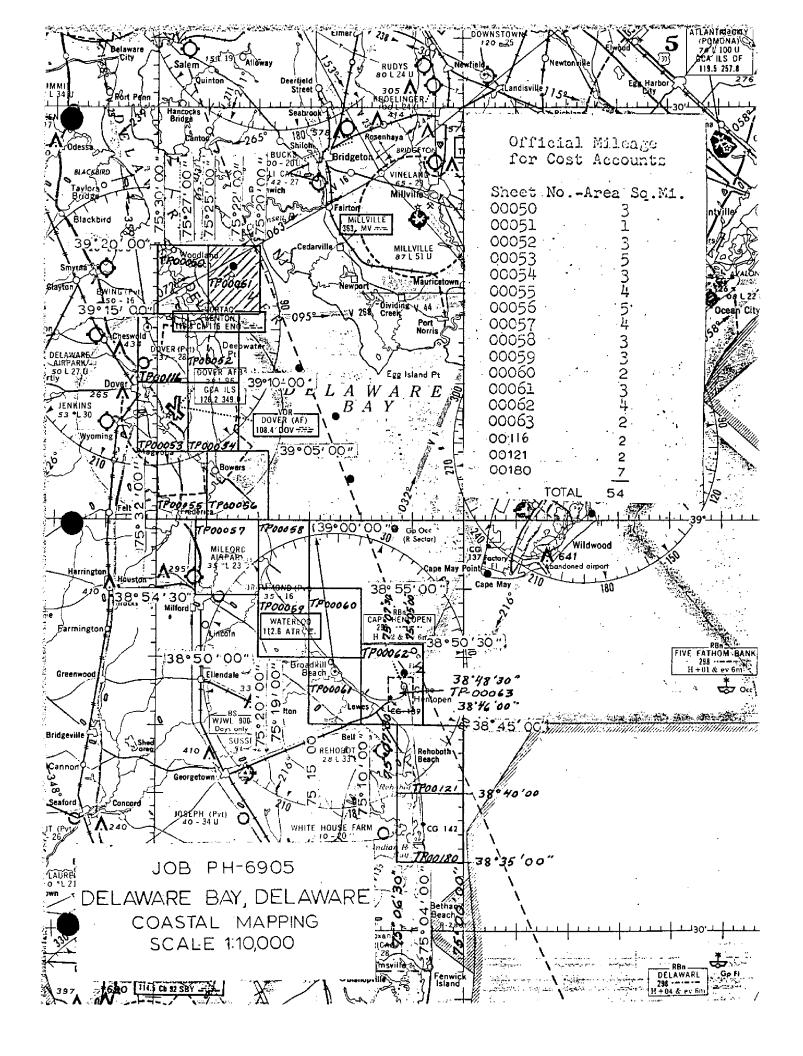
EDITION

FOURTH

DATE OF PHOTOGRAPHY

☐REVISED ☐RESURVEY.

MAP CLASS
☐III. ☐IV. ☐V. ☐FINAL



## SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

#### TP-00051

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°20' south to Indian River Inlet, latitude 38°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 Class III maps. Maps TP-00059 through TP-00063, TP-00121 and TP-00180 were field edited and are to be registered as Class I maps. No contemporary hydrographic survey was accomplished in the area common to this Class III map.

Field work prior to compilation was accomplished in October 1969. This involved the establishment of horizontal control by premarking methods in order to meet aerotriangulation 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 color film with the "E" camera at 1:20,000 scale. Tide coordinated infrared high and low water photography was taken using the K camera at 1:20,000 scale; the low water infrared photographs were taken in tandem with the hydro support photography.

Analytic aero-triangulation was performed at the Washington Science Center, April 1970.

Compilation was performed at the Atlantic Marine Center in July 1972. No copies of this Class III map were submitted for field edit.

The final review was performed at the Atlantic Marine Center, in August of 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 was forwarded to the Washington Science Center for final registration.

#### FIELD INSPECTION

#### TP-00051

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.

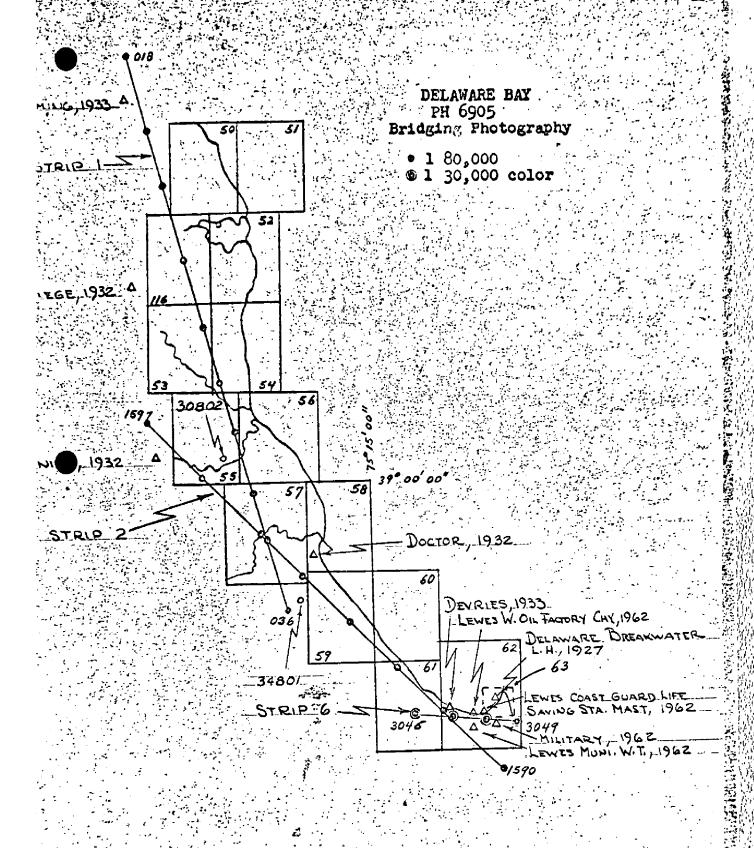
Respectfully submitted,

Don O. Norma

Don O. Norman

Approved and Forwarded,

Henry P. Eichert, Chief Aerotriangulation Section



TURNTZUCCA UN CORO JORTHON

CLOSURES OF BRIDGE TO CONTROL SHOWN IN DAREHTHESIS

CONTROL USED AS CHECK

FLEMING, 1953 SUB A (-40, +1.06) COLLEGE, 1932 RM2 SUB, A (+2,20, -2.51)

Δ 30502 TIE POINT Δ UNION STA. A (-6.36, +2.20) Δ Doctor, 1932 RMG (-4.63, 46.75)

▲ 34 SOI TIE POINT (+1.92, -157)

## STRIP Z

MILITARY, 1962 SUB. A (+.66,+1.26) MILITARY, 1962 SUB. B (0.0,0.0) LEWES COAST GUARD LIFE SAVING STA. SUB. A (-96, -.77)

DEVERS 1962 PM (+1.66, -1.83.)

DEVRIES, 1933 (+1.86,+.94) DOCTOR 1932 (1.86,+.94) DOCTOR: 1932 RM 6 (0.0, 0.0)

Union, 1932 SUB. A (0.0,00)

## STRIP 6

DEVRIES, 1962 RM (0.0,000)

DEVENES, 1937 SUB A (-.02,-,11)

LEWES COAST GLARD LIFE SAVING STA MAST SUBA (+ 1.05, 4.06)

LEWES MUNIMATER TAME, 1962 (+,75,-1.22)

LEWES W. OIL FACTORY CHY, 1962 (+2.54, +.36)

MILITARY, 1962 SUB. A (0.0, 0.0)

MILITARY, 1962 SUB. D (-, 81; +.45)

DELAWARE BREAKWATER L.H., 1927 (-, 76, +.39)

NOAA FORM 76-41				U.S	U.S. DEPARTMENT OF COMMERCE
(G/-D)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		ATMOSPHERIC ADMINISTRATION
MAP NO. TP-00051	JOB NO. PH-6905		GEODETIC DATUM N. A. 1927	ORIGINATING ACTIVITY Coastal Mapping	viry
	SOURCE OF	AEROTRI-	COORDINATES IN FEET		i
STATION NAME	INFORMATION (Index)	ANGULATION PO:NT NUMBER	STATE	φ latitude λ longitude	REMARKS
SHIP JOHN SHOAL LIGHT,			χ=	φ 39°.18'118'678"	576.0 (1274.3)
1933	Vol. #1 Pg. 62	ï	η=	λ 750.22' 37.246"	892.4 (545.2)
			<b>x</b> =	ф	
			y=	٧	
			<i>-</i> χ	ф	
			y≐	γ	
,			-χ	ф	
	,		η≈	γ	
			<i>=</i> χ	<b>\$</b>	
			ή=	γ	1
			χ=	φ	
			-ħ	۲	
			-χ=	ф	
			y=	γ	
			<i>-</i> -X	ф	
			<i>й=</i>	γ	
			χ=	φ	
			η≈ 1	γ	
			=χ	ф	
			<i>d</i> =	~	
compured By R. White		P\$/27/70	COMPUTATION CHECKED BY		P\$/30/70
LISTED BY		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	H IS OBSOLETE.	1

#### COMPILATION REPORT

#### TP-00051

#### 31. DELINEATION

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

#### 32. CONTROL

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

#### 33. SUPPLEMENTAL DATA

None

#### 34. CONTOURS AND DRAINAGE

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

#### 35. SHORELINE AND ALONGSHORE DETAILS

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

#### 36. OFFSHORE DETAILS

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

#### 37. LANDMARKS AND AIDS

Appropriate copies of 76-40 forms are being submitted with this Descriptive Report.

#### 38. CONTROL FOR FUTURE SURVEYS

None

#### TP-00051

#### 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: BOMBAY HOOK, DELAWARE-NEW JERSEY, scale 1:24,000, dated 1956.

#### 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 N.M. 43/69).

#### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

#### ITEMS TO BE CARRIED FORWARD

None

Submitted by:

R. R. White

Cartographic Technician

Date: July 7, 1972

Approved:

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

# REVIEW REPORT SHORELINE

#### TP-00051

- 61. GENERAL STATEMENT:

  See Summary included with this report for this final Class III map.
- 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, BOMBAY HOOK, DELA-WARE-NEW JERSEY, scale 1;24,000 dated 1956.
- 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 the requirements of National Standards of Map Accuracy.

Submitted by:

Lowell O. Neterer,

Final Reviewer August 12, 1981

Approved for forwarding

Billy H. Barnes

Chief, Photogrammetric Branch, AMC

#### GEOGRAPHIC NAMES

### FINAL NAME SHEET

#### PH-6905 (Delaware Bay, Delaware)

#### TP-00051

Bombay Hook Island

Delaware Bay

Duck Creek

Goose Point

Myrkle Gut

Terripan Gut & Ship

Hay Ditch Pohh

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

#### 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 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
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
		*	