NOAA FORM 76 (375)	i=35
U.S. DEPARTMENT OF	
NATIONAL OCEANIC AND ATMOSP	
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PH-7002	
Map Classification	
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Type of Survey	·
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\*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

# MAP NOT INSPECTED BY QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION PRIOR TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD    DESCRIPTIVE REPORT - DATA RECORD   DESCRIPTIVE REPORT - DATA RECORD   DESCRIPTIVE REPORT - DATA RECORD   DESCRIPTIVE REPORT - DATA RECORD   DESCRIPTIVE REPORT - DATA RECORD   DESCRIPTIVE REPORT - DATA RECORD   DESCRIPTION - DESCRIPT	NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP- 00132
Castal Mapping Unit			
Castal Mapping Unit	DESCRIPTIVE REPORT - DATA RECORD	REŞURVEY	MAP CLASS FINAL
LAST PRECEDING MAP EDITION   TYPE OF SURVEY   DOB   PH   MAP CLASS   SURVEY DATES:   DOE   PH   DATE   DA	DESCRIPTIVE REPORT - DATA RECORD	_	
Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA  OFFICER-MACKARGE  A. Y. Bryson  L. INSTRUCTIONS DATED  Acrotriangulation (Part I) November 23, 1970 Aerotriangulation (Part II) March 17, 1971 Compilation (Part II) March 18, 1975 Supplement I March 28, 1975 Supplement I March 28, 1975 Supplement I March 28, 1975 Memo (Completion Schedule) June 22, 1981  L. MORIZONTAL: Mark High-water Memo (Completion Schedule) June 22, 1981  L. MORIZONTAL: Mark High-water Memo (Completion Schedule) Mean sea Level  3. MAP PROJECTION  Polyconic  5. SCALE 1:10,000  III. HISTORY OF OFFICE OPERATIONS  1. AEROTRIANGULATION METHOD: Orgadomat  C. COMTON AND BRIDGE POINTS METHOD: Orgadomat  C. STEREOSOPIC INSTRUMENT C. COMTON LONG BRIDGE POINTS METHOD: Orgadomat  C. STEREOSOPIC INSTRUMENT C. CONTON LONG BRIDGE POINTS METHOD: Orgadomat  A. L. Shands Mey 1971  C. STEREOSOPIC INSTRUMENT CONTOURS BY METHOD: Smooth drafted  METHOD: Smoo	PHOTOGRAMMETRIC OFFICE	<del></del>	
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MEAN SEALEVEL   3. MAP PROJECTION   Polyconic   New Jersey   STATE   ZONE	1 2 VERTICAL:	1	
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U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY

# TP-00132

		CO	MPILATION S	DURCES			
1. COMPILATION PHO	TOGRAPHY						
CAMERA(S) Wild RC-8 "L"	f=152.2	lmm		PHOTOGRAPHY EGEND		TIME REFER	RENCE
TIDE STAGE REFERE		<del></del>	1		ZONE		1
XX PREDICTED TIDE:	5		(C) COLOR	2011 710	East	ern	X STANDARD
REFERENCE STAT			(1) INFRAR		MERID	IAN	DAYLIGHT
TIDE CONTROLLE	D PHOTOGRA	.РНY 	11) INFRAM		75th		
NUMBER AND		DATE	TIME	SCALE		STAGE OF	
*70L(C)9610 -		Mar 11,1970		1:20,00	I	ft. above	
*70L(C)9615 -		Mar 11,1970		1:20,00		ft. above	
*70L(C)9626 -		Mar 11,1970		1:20,00		ft. above	
*70L(C)9632 -		Mar 11,1970		1:20,00		ft. above	
**70L(C)8562 -	8565	Sept29,1970	09:30	1:40,00	0   3.7	ft. above	MLW
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	····		<u> </u>				
		photographs		•			
**Bridging and	compilat	tion photogra	phs - Cente	ers not show	n on ma	р.	
2. SOURCE OF MEAN	HIGH-WATER	I INF	· · · · · ·				
	h water :	line was comp	iled from t	the above li	sted co	mpilation	photo-
graphs.							
3. SOURCE OF MEAN	I OW WATER	OP MEAN LOWER (	OW WATER LINE				
3. SOURCE OF MEAN	LUN-NAIER	OR MEAN LOWER L	OH-WAIER LINE	;			
		delineated f					
		e map from th	e two fligh	nts of photo	graphs '	with the t	ide
within 1 foo	t'of mear	n low water.					
1							
<u> </u>		<u> </u>	<del></del> -		_		
4. CONTEMPORARY	HYDROGRAPI	HC SURVEYS (List	only those survey	s that are sources fo	or photogran	nmetric survey in	formation.)
SURVEY NUMBER	DATE(S)	SURVEY CO	<del> </del>				
JUNVET NUMBER	DA (E(S)	JURVETCO	F 7 USED   307	RVEY NUMBER	DATE(S)	SURVE	Y COPY USED
						i	ļ
E EINAL UNCTION	<u>L</u>	<u> </u>			L		
5. FINAL JUNCTIONS		AST TP-00119	Isou	ITH		WEST	
TP-00131	ı	TP-00260	- 1	Survey		No Surve	. l
REMARKS			1 240	, ourvey		1 NO BULVE	<del>y</del>
*TP-00	260 is 1:	:5,000 scale.					
							į

NOAA FORM 76-36C (3-72)	TP-00132		U.S. DEPARTMENT OF COMMERCE IG AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY
I. X FIELD INSPECTION OPE	HISTORY OF FIELD	D EDIT OPERATION	
	ERATION		AME DATE
	ERRITOR		
1. CHIEF OF FIELD PARTY		J. Wilson J. Wilson	Sept. 1970 Sept 9,1970
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY	None	Bept 9,1970
	PRE-MARKED OR IDENTIFIED BY	P. Walbolt	Sept 9,1970
	RECOVERED BY	N.A.	
3. VERTICAL CONTROL	ESTABLISHED BY	N.A.	
· · · · · · · · · · · · · · · · · · ·	PRE-MARKED OR IDENTIFIED BY	N:A.	
	ECOVERED (Triangulation Stations) BY		
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY		
	TYPE OF INVESTIGATION	<del> </del>	
5. GEOGRAPHIC NAMES	COMPLETE		
INVESTIGATION	SPECIFIC NAMES ONLY		)
	NO INVESTIGATION		
6. PHOTO INSPECTION 7. BOUNDARIES AND LIMITS	CLARIFICATION OF DETAILS BY		
II. SOURCE DATA	SURVEYED OR IDENTIFIED BY	<u>.L.</u> .	
I. HORIZONTAL CONTROL IDE	NTIFIED	2. VERTICAL CONT	ROL IDENTIFIED
Paneled		Inapplicabl	.e
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70L(C)8565   CAPE MAY	7, 1932		
		1 1	
2 BUOTO NUMBERS (CL16)	des et detette)		
3. PHOTO NUMBERS (Clarificat	ion of defails)		
4. LANDMARKS AND AIDS TO N	AVIGATION IDENTIFIED		
		<del></del>	
			OB IECT NAME
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECTNAME
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	COJECTNAME
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

TP-00132

U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY

		HIS	TORY OF FIELD	OPERATIONS		
I.	ECTION OPERAT	TION	T FIEL	D EDIT OPERATION	TP 00132	
<u></u>	OPER	ATION			AME	DATE
1. CHIEF OF FIEL	LD PARTY			R.S. Tibbett	s	1970-1972
			RECOVERED BY	J.K. Wilson		1970
2. HORIZONTAL (	CONTROL		ESTABLISHED BY	N:/A		
		PRE-MARKED	OR IDENTIFIED BY	J.K. Wilson	& R.S. Tibbetts	1970
			RECOVERED BY		~ <del>-</del> -	
3. VERTICAL CO	NTROL		ESTABLISHED BY	None		
			OR IDENTIFIED BY	A P Destal	3 7	4.000
4		•	gulation Stations) BY	A.R. Brickne		1972
4. LANDMARKS AT AIDS TO NAVIG		LOCATE	(Field Methods) BY	A.R. Brickne		1972
		TYPE OF I	IDENTIFIED BY	A.R. Brickne	<u>-</u>	1972
5. GEOGRAPHIC	NAMEC	COMPL				
INVESTIGATION			BY FIC NAMES ONLY			
			ESTIGATION	To be comple	ted during the	1973 season
6. PHOTO INSPEC	TION	CL ARIFICAT	ON OF DETAILS BY	A.R. Brickne		1972
7. BOUNDARIES A			OR IDENTIFIED BY	None		-21
II. SOURCE DATA						
1. HORIZONTAL		IFIED		2. VERTICAL CON	TROL IDENTIFIED	
Premarked 19	70			None		
PHOTO NUMBER		STATION NA	ME	PHOTO NUMBER	STATION DESI	GNATION
70 L 8534; 4. LANDMARKS A	70 L(C) 961	.7. 9634 <u>.</u> .				
See 76-40					<u></u>	
PHOTO NUMBER		OBJECT NA	M E	PHOTO NUMBER	ÓBJÉCT N	AME
•			-	-		
5. GEOGRAPHIC	NAMES:	REPORT	X NONE	6. BOUNDARY AND	LIMITS: ERPOR	T X NONE
7. SUPPLEMENTA	L MAPS AND PL	ANS				
	RECORDS (Sketch	books, etc. D	NOT list data submit	ted to the Geodesy Di	vision)	
	sition comp		of fix on CROW			

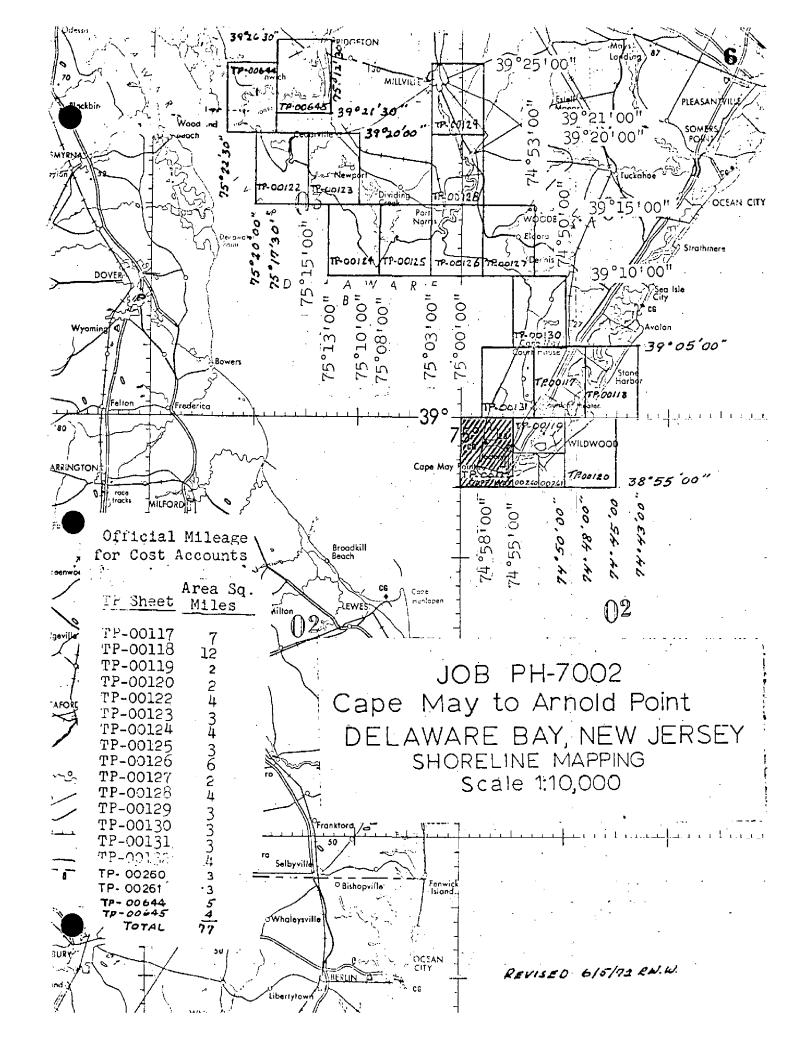
NOAA FORM 76-36D

(3-72)

U. S. DEPARTMENT OF COMMERCE TP-00132

#### RECORD OF SURVEY USE

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I. MANUSC	RIPT COPIES			_					
	C	MPILATION STAGE	s			DATE	MANUSCRI	PT FOR	RWARDED
	DATA COMPILED	DATE	RE	MARKS		MARIN	E CHARTS	HYDRO	SUPPORT
	tion completed field edit	Nov. 1971	Class III SUPERSEDE			July	6,1971	July	6,1971
	dit applied, tion complete	Nov. 1973	Class I ma	anuscript	:	June	7,1976	Apr.	7,1975
Final R	eview	Oct. 1983	Final Map						
								_	
	ARKS AND AIDS TO NAVIG	<del></del>							
1. REP	ORTS TO MARINE CHART D	IVISION, NAUTICAL	DATA BRANCH						
NYWARR	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMA	RKS			
11		Oct 7, 1975	Aids for o	charts					
1		Oct 7, 1975	Landmarks	for char	ts				
1		Oct 7, 1975	Landmarks	for dele	tion	(not repo	include rt)	d wi	<u></u> h
					_				
=	REPORT TO MARINE CHAR REPORT TO AERONAUTICA						7. 197 RWARDED:	5	
1 2 3 4	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENT SOURCE DATA (except for C ACCOUNT FOR EXCEPTIO	DUPLICATE IFICATION CARDS; Geographic Names Re NS: RDS CENTER. DAT	FORM NO.	S SET SUBMIT	I, NOAA	FIELD	PARTIES.	-	
IV. SURVI	SURVEY NUMBER	JOB NUMBE		pedition is re			F SURVEY		
SECOND	TP.	(2) PH	<u> </u>	ĺ	REV			URVEY	
EDITION	DATE OF PHOTOGRAP	HY DATE OF F	ELD EDIT		<b></b>	MAP	CLASS	□⊧	INAL
<del></del>	SURVEY NUMBER	JOB NUMBE	<del></del> _		<del></del>	YPE O	SURVEY		
THIRD	TP -	_ (3)   PH			REV	ISED	RES	URVEY	
EDITION	CATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT	<b>□</b> 11.	□m.	_	CLASS	<u> </u>	INAL
<u></u>	SURVEY NUMBER	ЈОВ ИЏМВЕ	R		Ť	YPE OF	SURVEY		
FOURTH	TP -				REV	18ED	RES	ÜRVÉY	
EDITION	DATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT	П.,	п		CLASS		



## SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

#### TP-00132

This 1:10,000 scale shoreline map is one of nineteen maps that comprise project PH-7002, Cape May to Arnold Point, Delaware Bay, New Jersey.

This project encompasses the eastern portion of Delaware Bay from Cape May, latitude  $38^{\circ}55'00''$ , north to Bridgeton, latitude  $39^{\circ}26'30''$  and from Stone Harbor, longitude  $74^{\circ}43'00''$  west to the Cohansey River longitude  $75^{\circ}20'00''$ .

This project was divided into two parts. Part I consisted of maps TP-00117 through TP-00120 and TP-00130 through TP-00132 at 1:10,000 scale, and TP-00260 and TP-00261 at 1:5,000 scale. Part II consists of maps TP-00122 through TP-00129, TP-00644 and TP-00645 at 1:10,000 scale.

Color photography was taken using the "L" camera in March 1970.at 1:20,000 scale to be used by the field surveyor to identify photo-hydro signals, and by the photogrammetric branch as hydro support photography. Color photographs were taken using the "L" camera in September 1970 at 1:40,000 scale. They were bridged by analytic aerotriangulation methods.

Field work was done prior to compilation in September 1970. It involved the photo-identification of hydro signals and the establishement of horizontal control by premarking methods for aerotriangulation.

Analytic aerotriangulation was performed at the Washington Science Center in February 1971 on Part I and in May 1972 on Part II.

Compilation was performed and hydrographic support photographs were prepared at the Atlantic Marine Center in June 1971.

Field edit for this map was completed in the summer of 1972.

The application of field edit was completed in November 1973 at the Atlantic Marine Center.

The Final Review was performed at the Atlantic Marine Center in October 1983.

This Descriptive Report contains all pertinent information used to compile this final map.

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

#### FIELD INSPECTION

#### TP-00132

There was no field inspection prior to compilation. Field work accomplished was the photo-identification of hydro signals on the March 1970 hydro support photography and the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

Photogrammetric Plot Report Delaware Bay, New Jersey, Part I PH-7002 February, 1971

#### 21. Area Covered

This report pertains to an area in southeast New Jersey. The sheets covered are TP-00117 through TP-00120, TP-00131, and TP-00132, at 1:10,000 scale, and TP-00260 and TP-00261 at 1:5,000 scale.

#### 22. Method

Three strips of 1:40,000 scale color photography (70-L-8522 through 8530, 70-L-8533 through 8541, and 70-L-8556 through 8565) were bridged by analytic aerotriangulation methods. The three strips were adjusted to ground (New Jersey state plane coordinates) with the block adjustment program. Points were established for ordering ratio prints and for controlling models of the 1:20,000 scale photography. Positions were also determined for 93 of 114 hydro signals that were selected and described by a field party. Those signals not located could not be positively identified in the office.

#### 23, Adequacy of Control

The control was adequate for our block adjustment.

#### 24. Supplemental Data

Vertical control was taken from U.S. Geological Survey topographic quadrangles.

#### 25. Photography

The sidelap of the three strips was only about 50% or slightly less. It should have been 60%. However, this office does not believe any accuracy was cacrificed.

Respectfully submitted,

Don O. Norman

Approved and forwarded,

Henry P. Eichert

Chief, Aerotriangulation

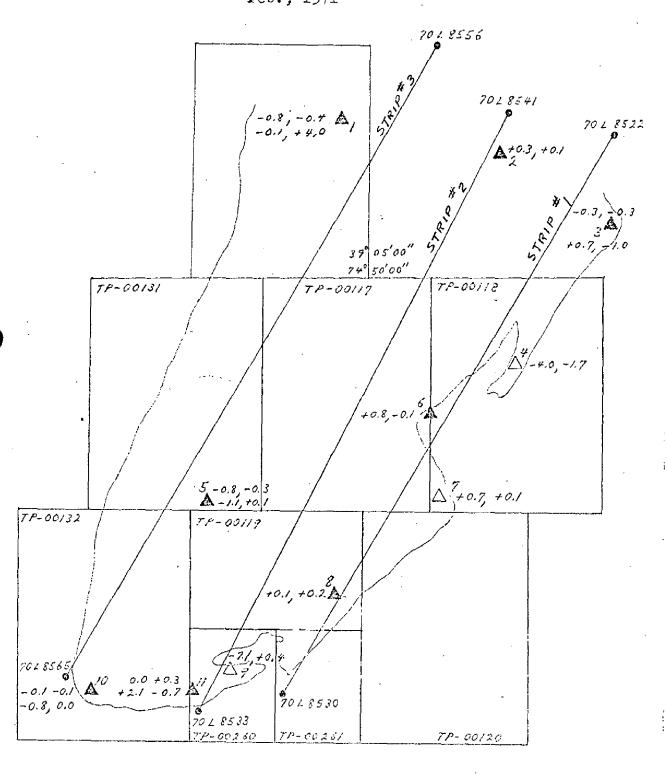
Section

- 1. A GOSHEN, 1933 A GOSHEN M.E. CHURCH STEEPLE, 1933 office identified
- 2. A STITES, 1936
- 3. A AVALON, 1932

  AVALON STANDPIPE, 1928

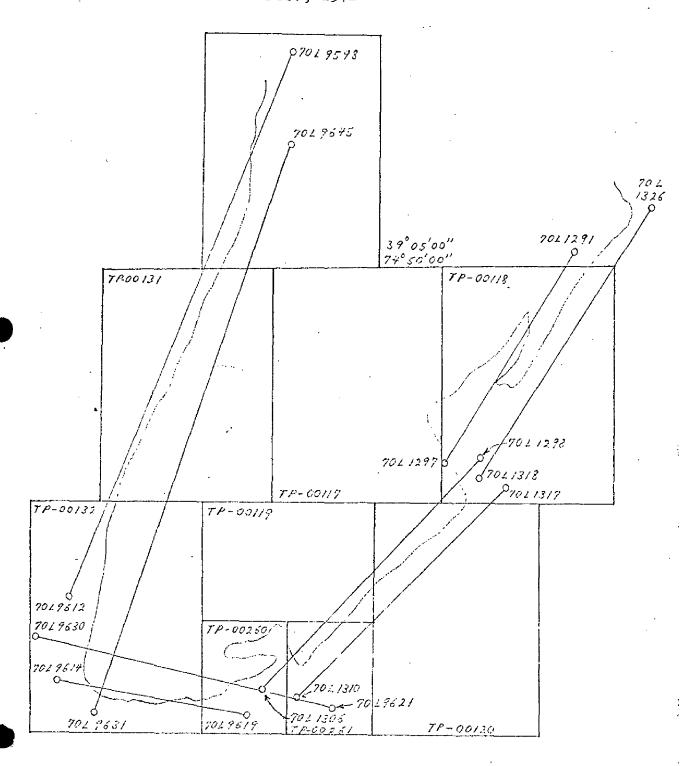
  office identified
- 4. △ STONE HARBOR WATER TANK, 1962 office identified
- 5. A CAPE MAY COUNTY AIRPORT CHECKERED WATER TANK, 1962 sub point
- 6. A GRASSY SOUND, 1962 sub point
- 7. A NORTH WILDWOOD NORTH STANDPIPE, 1936 office identified
- 8. A WILDWOOD, LARGE STANDPIPE, 1932 office identified
- 9. A CAPE MAY COAST GUARD STATION WEST TANK, 1969 office identified
- 10. A CAPE MAY LIGHTHOUSE, 1859
  A CAPE MAY, 1932
- 11. △ CAPE MAY MUNICIPAL WATER TANK, 1936 office identified ▲ COLUMBIA, 1962 sub point

A control used in adjustment A control used as check AEROTRIANGULATION SKETCH
DELAWARE BAY
PH-7002
BRIDGING PHOTOGRAPHY
1:40000
Feb., 1971



AEROTRIANGULATION SKETCH DELAWARE BAY PH-7002

> RATIO PHOTOGRAPHS 1:20000 Feb., 1971



NOAA FORM 76-41					U.S. DEPARTMENT OF COMMERCE	MMERCE
	.:	DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		ANIC AND ATMOSPHERIC ADMINIST	TRATION
MAP NO.	ON BOL		GEODETIC DATUM		ORIGINATING ACTIVITY	
TP-00132	<b>P</b> H-7002		N.A. 1927			
	200102	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION		
STATION NAME	INFORMATION	ANGULATION	STATE	. \$\phi\$ LATITUDE	REMARKS	
:	(Index)	NUMBER	ZONE	. \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	<u>-</u>	
	G.P.		± X	\$ 38°55°58,383"		
CAPE MAY LIGHTHOUSE, 1859	Pg. 32		<i>ή</i> =	λ 74057138.759"		
CAPE MAY CANAL ENTRANCE	G. P.		=χ	\$ 38°58*03.280"		
NORTH JETTY LIGHT, 1957	Pg. 3		<i>β</i> =	λ 74°58'01.068"		
	G.P.		=%	ф 38 <sup>0</sup> 55 159,0334"	1	
CAPE MAY RM 1, 1962	Pg. 41		y=	λ 74°57'37.1070"		
			χ=	<del>•</del>		
			y=	٧		
			=χ	Ф		
			=ĥ	γ		
			-χ	0		
			ĥ=	٧		
			χ=	<b>*</b>		
			<i>h</i> =	κ		
			<i>=</i> χ	φ		
			y=	γ		
			χ=	<del>0</del>		
		:	<i>h</i> =	γ		
			<b>-</b> χ	ф		
	_		=h	٧		
COMPUTED BY B. Wilson		DATE 6/11/71	COMPUTATION CHECKED BY Jim Bulfer		0ATE 6/11/71	
LISTED BY		DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	
		SUPERSEDES NO	ERSEDES NOAA FORM 78-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.		1:
						3

#### COMPILATION REPORT

#### TP-00132

#### 31 - DELINEATION

Delineation was by the Wild B-8 stereoplotting instrument using September 1970,1:40,000 scale color photography. Coverage by the bridging photography was adequate. However, the portion of Cape May Canal east of longitude 74 55.7' was not covered by any of the 1:20,000 ratio prints. There was no field inspection.

#### 32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report dated February 1971.

#### 33 - SUPPLEMENTAL DATA

None.

#### 34 - CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was compiled from office interpretation of the photographs.

#### 35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line and all alongshore details were delineated from office interpretation of the photographs.

#### 36 - OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the photographs.

#### 37 - LANDMARKS AND AIDS

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

#### 38 - CONTROL FOR FUTURE SURVEYS

Pre-selected photo-hydro stations numbered 3201 - 3237 lie within the limits of this survey. See list in Item Number 49.

#### TP-00132

#### 39 - JUNCTIONS

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

#### 40 - HORIZONTAL AND VERTICAL ACCURACY

See Item Number 32.

#### 46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangle: CAPE MAY, New Jersey, scale 1:24,000, dated 1954.

#### 47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Charts: 826-SC, scale 1:40,000, 8th edition, dated November 28, 1970 and 1218, scale 1:80,000, 17th edition, dated October 10, 1970.

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

None.

#### ITEMS TO BE CARRIED FORWARD

None.

Submitted by, Q.L. Shands

A. L. Shands Cartographer

June 1, 1971

Approved,

James L. Byrd, Jr.

Chief, Coastal Mapping Unit



#### U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL OCEAN SURVEY

# FIELD EDIT REPORT: Job: PH 7002 DELAWARE: BAY, NEW JERSEY TP 00132 - CAPE MAY POINT

This sheet was field edited during the 1972 Summer Season.

#### 52. ADEQUACY OF COMPILATION

The compilation appears generally good, after application of field edit corrections, additions, and deletions compilation will be adequate.

#### 54. RECOMMENDATIONS

None

#### 56. SHORELINE AND ALONGSHORE FEATURES

The mean high water line is indicated by distances measured from points indicated on the ogalid or from traverse stations.

A new bridge has been delineated on photo 70 E 8534 by planetable methods.

All changes to field edit ozalid are noted on the ozalid and/or photographs and are cross referenced.

#### 58. LANDMARKS AND AIDS.

A form 76-40 is submitted for all fixed Aids to Navigation. The azimuth of Trow Shoal Range was determined by sextant fixes taken on range. Forms 76-40 are submitted for all Landmarks.

#### 59. GENERAL STATEMENT

All field edit notes have been made in violet ink on the field edit ozalid and on photographs.

Respectfully Submitted;

Arthur R. Bricknell Surveying Technician

## REVIEW REPORT SHORELINE

#### TP-00132

#### 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: Cape May, New Jersey, scale 1:24,000, dated 1954.

#### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was with registered copies of hydrographic surveys: H-9533, scale 1:20,000, dated May to October 1975; and H-9311, scale 1:10,000, dated August to October 1972.

#### 65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N $\hat{.}$ O.S. Charts: 12304, scale 1:80,000, dated April 17, 1982, 28th edition and 12316, scale 1:40,000, dated January 1983, 20th edition.

#### 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by,

Lowell O. Neterer, Jr

Final Review

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville Chief, Photogrammetry Branch

#### GEOGRAPHIC NAMES

#### FINAL NAME SHEET

#### PH-7002 (Delaware Bay, N. J.)

#### TP-00132

Atlantic Ocean

Cape Island Creek

Cape May (locale)

Cape May Canal

Cape May Point (locale)

Conrail (RR)

Cox Hall Creek

Daveys Lake

Delaware Bay

Higbee Beach

Intracoastal Waterway

North Cape May (locale)

Pond Creek

Sunset Beach

Town Bank (locale)

West Cape May (locale)

Approved by:

Charles E. Harrington

Chief Geographer

Nautical Charting Division

HYDROGRAPHIC PARTY
GEODETIC PARTY
TO PHOTO FIELD PARTY
TO COMPILATION ACTIVITY
FINAL REVIEWER
OUALITY CONTROL & REVIEW GRP. (See reverse for responsible personnel) AFFECTED CHARTS 12316 12304 12316 12304 ORIGINATING ACTIVITY Sept.18, 1972 Sept.18, 1972 V-Vis. METHOD AND DATE OF LOCATION (See instructions on reverse side) V-Vis. 70L(C)9632 Mar. 11, 1970 1975 Mar. 11, 1970 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION 70L(C)9635 Oct. DATE OFFICE D.P. Meters been inspected from seaward to determine their value as landmarks.

SURVEY NUMBER

DATUM 01.08 11,76 282 LONGITUDE 26 Delaware Bay \ 58 57 MONELOATING AID SOR LANDWARKS FOR CHARTS ø 74 74 **POSITION** N.A. 1927 D.M. Meters 43.44 53.70 1656. 1340 LATITUDE 56 58 ` 38 38 0 New Jersey Record reason for defetion of fandmark or aid to navigation. Show triangulation station names, where applicable, in perentheses TP-00132 REPORTING UNIT (Field Pert, Ship or Office) Coastal Mapping Unit DESCRIPTION AtlNorthwest Magnesite The following objects HAVE HAVE NOT OPR PROJECT NO. JOB NUMBER PH-7002 Company Replaces C&GS Form 567. ATO BE CHARTED TO BE DELETED TO BE REVISED NOAA FORM 76-40 STANDPIPE CHARTING 492 TANK



A. Field positions* require entry of method of location and date of field work.  EXAMPLE: F-2-6-L 8-12-75  *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	DETERMINED licable dat P = Vis tion 5 = tion 6 = tion 7 =	OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject.  EXAMPLE: 75E(C)6042 8-12-75	INSTRU	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	EUSTITIONS DETERMINED AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION	
**PHOTOGRAMMETR entirely, or by photogramm	s as follows: tric	month, FIELD (Cont'd)  B. Photogram entry of date of f graph use EXAMPLE:	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION				ZAXE	RESPONSIBLE PERSONNEL
EXAMPLE: 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.	TRIANGULATION STATION RECOVERED When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 POSITION VERIFIED VISUALLY ON PHOTOGRAPH	mmetric field positions** require method of location or verification, field work and number of the photoed to locate or identify the object.  P-8-V 8-12-75 74L(C)2982	ON'	REVIEWER     QUALITY CONTROL AND REVIEW GROUP     REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)	ORIGINATOR	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 75-40 (2-71) WHICH IS OBSOLETE, AND Existing Stock should be destroyed upon receipt of revision,

NONFLOATING   Annual Content and Part   Annual Content   Annual Content and Part   Annual Content   Annual Content and Part   Annual Content and P	NOAA FORM 76-	40						S. DEPARTA	ENT OF COMMERCE	OBIGINATING ACTIVITY	YTIVITY
PRE-DOT   PRE-	(8-74)	,	NONFLOAT	ING AIDS OR	LANDMAR	ATIONAL OCE S FOR CH.	ARTS	ATMOSPHER	IC ADMINISTRATION	HYDROGRAPHIC PA	ARTY
May Canal West Entrance South   State   Cocality   Cocastal Mar. 11, 1970   Cocastal May   Coc	replaces Caus	. 1								PHOTO FIELD PAR	
ANCE	TO BE CHAR	æ e	PRITY, Ship or Office)			LOCALITY			DATE	COMPILATION ACT	V TY
HAVE   HAVE NOT   Deen inspected from second to determine their value as landmarks.   150 NuMeER   N.A. 1927   Sunvey NuMbeER   N.A. 1927   Sunvey NuMbeER   N.A. 1927   Second to defend the second the second to defend the second th	TO BE DELE		stal Mapping U Norfolk, VA		Jersev	Delawa	ire Bay			COAST PILOT BRAI	L & REVIEW GRP.
PRI-7002   TP-00132   FOATION   TP-00132	The following	Ŧ	VE NOT	been inspected f	rom seaward to	letermine the	ir value as	landmarks.		(See reverse for respons.	ible personnel)
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	492	PH-7	7002	TP-00132		Pos	NOIL		(See Instructions	on reverse side)	CHARTS
State of section of a state of			DESCRIPTION			ITUDE	LONGI	TUDE			AFFECTED
Cape May Lighthouse, 1959)  38 55 1800.4  Cape May Lighthouse, 1959)  38 55 1800.4  Cape May Canal West Entrance  Cape May Canal West Entrance South  Satisfactory  Cape May Canal West Entrance  Cape May Canal West Entrance  Cape May Canal West Canal West Canal West Canal West Canal West Canal West Entrance  Cape May Canal West Canal West Canal West Canal West Canal West Entrance  Cape May Canal West	CHARTING	(Record reason for Show triangulation	r deletion of landmark in station names, where	or aid to navigatio applicable, in pares	ihosee) O	// D.M. Meters		// D.P. Meters	OFFICE	FIELD	
Cape May Canal West Entrance  North Jetty Light (Cape May Canal See Total Sept. 118, 1972)  Sept. 11, 11970 Sept. 118, 1972  Cape May Canal West Entrance South 38 57 1745 70L(C)9634  Jetty Light  Jett	LIGHT	Cape May I (Cape May	thouse,	(656)				38.759 933.5	70L(C)9632 Mar. 11, 1970	ang. 5, 19	1
Cape May Canal West Entrance South 38 57 1745 48 Mar. 11, 1970 Sept. 18, 1972 Astronomy 11, 1970 Sept. 18, 1972 Sept. 19, 1972	LIGHT	Cape May C North Jett Entrance N	Canal West Entry Light (Cape					01.068	1 ( )	Fi	
	LIGHT	Cape May C Jetty Ligh	Canal West Ent nt	נס	38			I •I		-Vis.	12304 12316
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tions* require entry of method of nd date of field work.  F-2-6-L 8-12-75 are determined by field obserby or by photogramm tirely upon ground survey methods.	I. NEW POSITION DETERMINED OR VERIFIED  Enter the applicable data by symbols as follows:  F - Field  P - Photogrammetric  L - Located  Vis - Visually  V - Verified  1 - Triangulation  2 - Traverse  4 - Resection  7 - Planetable  4 - Resection  8 - Sextant  (I. TRIANGULATION STATION RECOVERED  When a landmark or aid which is angulation station is recovered  Rec.' with date of recovery.  EXAMPLE: Triang. Rec.  8-12-75  111. POSITION VERIFIED VISUALLY ON P	E  FIELD AND LOCATED OBJECTS  FIELD (Cont'd)  B. Photogram  nter the number and date (including month,  ay, and year) of the photograph used to  dentify and locate the bject.  XAMPLE: 75E(C)6042  EXAMPLE: 8-12-75	F LOCATION'	FIELD OFFIC	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION
V-Vis. 8-12-75 (IC FIELD POSITIONS are dependent in part, upon control established netric methods.	TRIANGULATION STATION RECOVERED When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang. Rec.' with date of recovery. Rec.' Triang. Rec. EXAMPLE: Triang. Rec. 8-12-75 POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date.	Cont'd) Cont'd) Cont'd) Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photo- graph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982	QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE CATION'	FIELD ACTIVITY REPRESENTATIVE	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)	GRIGINATOR

NOAA FORM 78-40 (8-74)

SUPERSEDES NOAA FORM 78-40 (2~71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

#### 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
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