

TP-00118

TP-00118

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
Map No. TP-00118	Edition No. 1
Job No. PH-7002	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State NEW JERSEY	
General Locality DELAWARE BAY	
Locality HEREFORD INLET	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1970 TO 1972 </div>	
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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED																			
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TP. 00118</td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS FINAL</td> </tr> <tr> <td colspan="2">JOB PH. 7002</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td>JOB PH. _____</td> <td></td> </tr> <tr> <td>MAP CLASS _____</td> <td></td> </tr> <tr> <td colspan="2">SURVEY DATES:</td> </tr> <tr> <td colspan="2">19__ TO 19__</td> </tr> </table>		SURVEY TP. 00118		MAP EDITION NO. (1)		MAP CLASS FINAL		JOB PH. 7002		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		<input type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED		JOB PH. _____		MAP CLASS _____		SURVEY DATES:		19__ TO 19__	
SURVEY TP. 00118																													
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JOB PH. _____																													
MAP CLASS _____																													
SURVEY DATES:																													
19__ TO 19__																													
I. INSTRUCTIONS DATED																													
1. OFFICE		2. FIELD																											
Aerotriangulation (Part I) Nov. 23, 1970 Aerotriangulation (Part II) Jan. 15, 1971 Compilation (Part I) Mar. 17, 1971 Compilation (Part II) May 5, 1972 Amendment I Mar. 28, 1975 Supplement I Apr. 18, 1975 Memo (Cancel field edit) Dec. 14, 1979 Memo (Completion Schedule) June 22, 1981		Precompilation Field July 22, 1970																											
II. DATUMS																													
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)																											
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)																											
3. MAP PROJECTION Polyconic		4. GRID(S) STATE New Jersey ZONE																											
5. SCALE 1:10,000		STATE ZONE																											
III. HISTORY OF OFFICE OPERATIONS																													
OPERATIONS		NAME	DATE																										
1. AEROTRIANGULATION BY		D. Norman	Feb. 1971																										
METHOD: Analytic LANDMARKS AND AIDS BY		H. Eichert	Feb. 1971																										
2. CONTROL AND BRIDGE POINTS PLOTTED BY		D. Norman	March 1971																										
METHOD: Coradomat CHECKED BY		H. Eichert	March 1971																										
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		R. White	May 1971																										
COMPILATION CHECKED BY		A. Shands	May 1971																										
INSTRUMENT: Wild B-8		N.A.																											
SCALE: 1:10,000		N.A.																											
4. MANUSCRIPT DELINEATION PLANIMETRY BY		J. Bulfer	June 1971																										
CHECKED BY		R. White	July 1971																										
METHOD: Smooth drafted		N.A.																											
CHECKED BY		N.A.																											
SCALE: 1:10,000 HYDRO SUPPORT DATA BY		J. Bulfer	June 1971																										
CHECKED BY		R. White	July 1971																										
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		R. White	July 1971																										
6. APPLICATION OF FIELD EDIT DATA BY		A. Shands	March 1974																										
CHECKED BY		R. White	March 1974																										
7. COMPILATION SECTION REVIEW BY		R. White	March 1974																										
8. FINAL REVIEW BY		L. O. Neterer, Jr.	Nov. 1983																										
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	Jan. 1984																										
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY																													
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. DAUGHERTY	Nov 1984																										

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00118
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*70L(C) 1292 thru 1297	Apr. 8, 1970	12:21	1:20,000	2.6 ft. above MLW	
*70L(C) 1298 and 1299	Apr. 8, 1970	12:30	1:20,000	1.6 ft. above MLW	
*70L(C) 1317 thru 1323	Apr. 8, 1970	12:50	1:20,000	1.2 ft. above MLW	
**70L(C) 8524 and 8525	Sept. 29, 1970	09:02	1:40,000	3.9 ft. above MLW	

REMARKS *Hydro-support photographs - centers shown on the map.
 **Bridging and compilation photographs - centers not shown the the map.

2. SOURCE OF MEAN HIGH-WATER LINE:

From the above listed photography and field edit information determined during the 1972 summer season.

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

Not applicable.

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
No survey	No survey	TP-00120	TP-00117

REMARKS

TP-00118

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION

☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Wilson	Sept. 1970
2. HORIZONTAL CONTROL	RECOVERED BY J. Wilson	Sept. 1970
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	Sept. 1970
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
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 BY	
	<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 N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Paneled

2. VERTICAL CONTROL IDENTIFIED

Inapplicable

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70L(C) 8526	GRASSEY SOUND, 1962		

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 ☒ NONE

6. 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 Form 152

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION TP 00118

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	1970 - 1972
2. HORIZONTAL CONTROL	RECOVERED BY J.K. Wilson	1970
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY J.K. Wilson & R.S. Tibbetts	1970
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY A.R. Bricknell	1972
	LOCATED (Field Methods) BY A.R. Bricknell	1972
	IDENTIFIED BY A.R. Bricknell	1972
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	
	BY To be completed 1973 season	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY A.R. Bricknell	1972
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premarked 1970

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

70 L(C) 1292, 1294, 1295, & 1300

70 L(C) 1318

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

See Forms 76-40

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 Sheet Form 470 field ozalids, 1 film, 1 paper
 1 Sheet Form 24A field edit report
 1 Sheet Form 738 field copies of 76-40 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	June 14, 1971	Class III manuscript SUPERSEDED	July 6, 1971	July 6, 1971
Field edit applied, compilation complete	March 1974	Class I manuscript	June 7, 1976	Feb. 16, 1975
Final Review	Nov. 1983	Final Map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGES NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Oct. 7, 1975	Landmarks for charts.
1		Oct. 7, 1975	Landmarks for deletion (not with report).
2		Oct 7, 1975	Aids for charts.
1		Oct 7, 1975	Aids for deletion (not with report).

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Oct. 7, 19753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

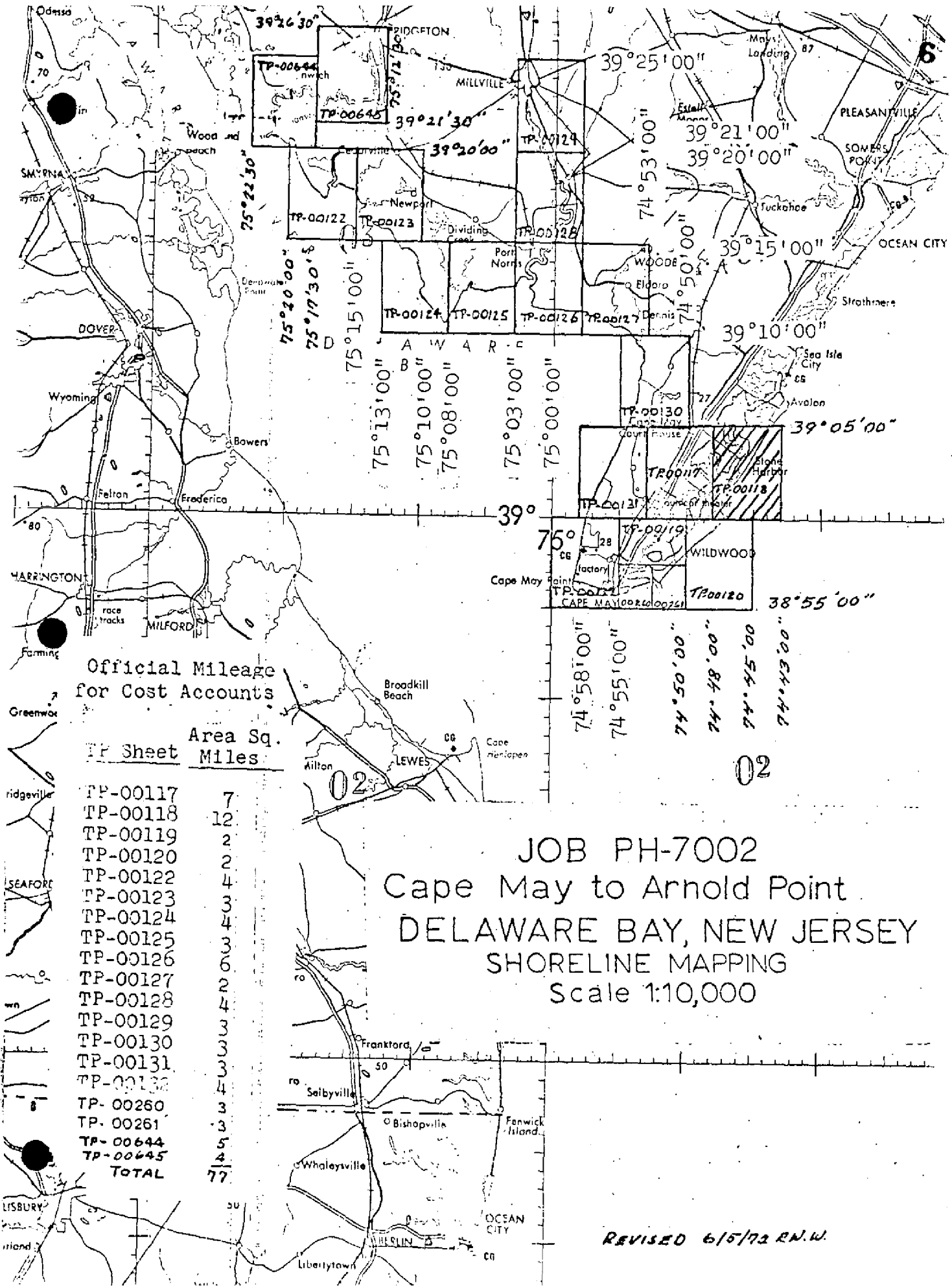
III. FEDERAL RECORDS CENTER DATA

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:

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 - _____	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

TP Sheet	Area Sq. Miles
TP-00117	7
TP-00118	12
TP-00119	2
TP-00120	2
TP-00122	4
TP-00123	3
TP-00124	4
TP-00125	3
TP-00126	6
TP-00127	2
TP-00128	4
TP-00129	3
TP-00130	3
TP-00131	3
TP-00132	4
TP-00260	3
TP-00261	3
TP-00644	5
TP-00645	4
TOTAL	77

JOB PH-7002
Cape May to Arnold Point
DELAWARE BAY, NEW JERSEY
SHORELINE MAPPING
Scale 1:10,000

REVISED 6/5/73 R.N.W.

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00118

This 1:10,000 scale 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 consists of maps 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 November 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 establishment 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 July 1971.

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

The application of field edit was completed in March 1974 at the Atlantic Marine Center.

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

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

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

FIELD INSPECTION

TP-00118

There was no field inspection prior to compilation. Field work accomplished was the photo-identification of hydro signals on 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 sacrificed.

Respectfully submitted,


Don O. Norman

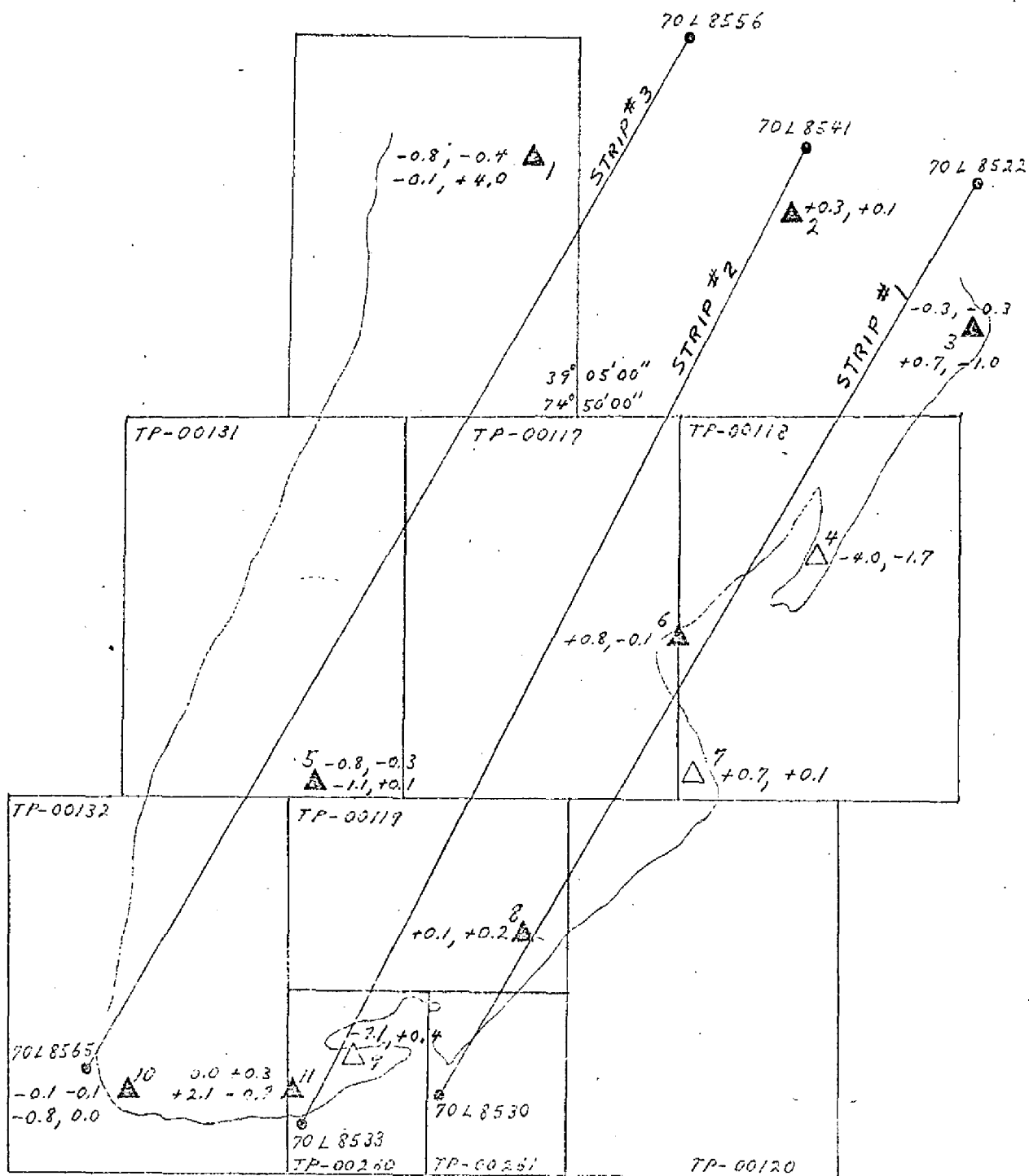
Approved and forwarded,


Henry P. Eichert
Chief, Aerotriangulation
Section

1. ▲ GOSHEN, 1933
 △ GOSHEN M.E. CHURCH STEEPLE, 1933
 office identified
2. ▲ STITES, 1936
3. ▲ AVALON, 1932
 △ AVALON STANDPIPE, 1928
 office identified
4. △ STONE HARBOR WATER TANK, 1962
 office identified
5. △ CAPE MAY COUNTY AIRPORT CHECKERED WATER TANK, 1962
 ▲ CAPE MAY COUNTY AIRPORT CHECKERED WATER TANK, 1962
 sub point
6. ▲ GRASSY SOUND, 1962 sub point
7. △ NORTH WILDWOOD NORTH STANDPIPE, 1936
 office identified
8. ▲ WILDWOOD, LARGE STANDPIPE, 1932
 office identified
9. △ CAPE MAY COAST GUARD STATION WEST TANK, 1969
 office identified
10. △ CAPE MAY LIGHTHOUSE, 1859
 ▲ CAPE MAY, 1932
11. △ CAPE MAY MUNICIPAL WATER TANK, 1936
 office identified
 ▲ COLUMBIA, 1962 sub point

▲ control used in adjustment
△ control used as check

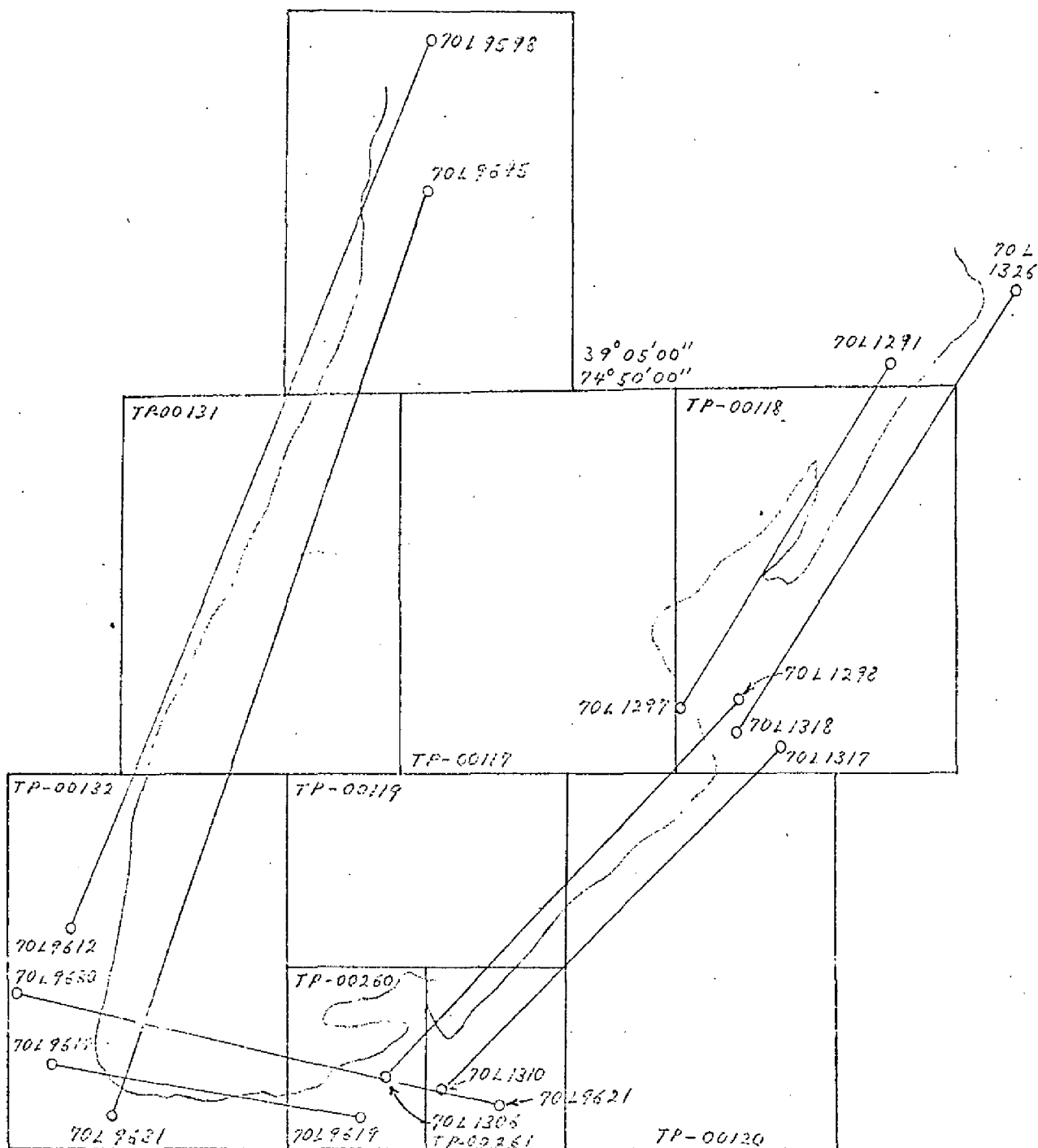
AEROTRIANGULATION SKETCH
 DELAWARE BAY
 PH-7002
 BRIDGING PHOTOGRAPHY
 1:40000
 Feb., 1971



AEROTRIANGULATION SKETCH
DELAWARE BAY
PH-7002

RATIO PHOTOGRAPHS
1:20000

Feb., 1971



NOAA FORM 76-41
(6-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		GEOGRAPHIC POSITION		REMARKS
					COORDINATES IN FEET STATE ZONE	N.A. 1927	ϕ LATITUDE λ LONGITUDE		
TP-00118	PH-7002								
GULL, 1936	G.P. Page 351				X=	ϕ 39°04'48.721"		1502.4	347.8
					Y=	λ 74°46'25.766"		619.3	822.9
YACHT, 1936	G.P. Page 351				X=	ϕ 39°03'48.937"		1509.1	341.1
					Y=	λ 74°45'20.795"		500.0	942.6
NIC, 1936	G.P. Page 351				X=	ϕ 39°03'41.014"		1264.7	585.5
					Y=	λ 74°47'45.469"		1093.2	349.4
DUN, 1936	G.P. Page 352				X=	ϕ 39°02'34.182"		1054.1	796.1
					Y=	λ 74°47'21.721"		522.4	920.5
HOLIDAY, 1932	390743 Page 62				X=	ϕ 39°04'24.7844"		764.3	1085.9
					Y=	λ 74°44'33.0941"		795.5	646.9
CLUB 2, 1939	G.P. Page 507				X=	ϕ 39°03'24.563"		757.4	1092.8
					Y=	λ 74°45'49.895"		1199.7	243.0
STONE HARBOR, 1932	390743 Page 60				X=	ϕ 39°02'21.2054"		653.9	1196.3
					Y=	λ 74°46'10.2148"		245.7	1197.3
STONE HARBOR WATER TANK, 1962	390743 Page 94				X=	ϕ 39°03'14.366"		443.0	1407.2
					Y=	λ 74°45'31.719"		762.7	680.0
STONE HARBOR, COAST GUARD STATION, CUPOLA, 1928	390743 Page 95				X=	ϕ 39°02'22.138"		682.7	1167.5
					Y=	λ 74°46'09.783"		235.3	1207.7
HEREFORD INLET LIGHTHOUSE, 1928	390743 Page 96				X=	ϕ 39°00'24.048"		741.6	1108.6
					Y=	λ 74°47'30.965"		745.0	698.7
COMPUTED BY				DATE	COMPUTATION CHECKED BY				
LISTED BY				DATE	LISTING CHECKED BY				
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY				

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

NOAA FORM 76-41
(6-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			PH-7002	N.A. 1927		STATE	ZONE	ϕ LATITUDE	λ LONGITUDE	
TP-00118										
	HEREFORD INLET, COAST GUARD STATION, LOOKOUT TOWER, 1928	390743 Page 93				X=	ϕ 39°00'26.33"			811.9 1038.3
						Y=	λ 74°47'29.77"			716.3 727.4
	NORTH WILDWOOD, NORTH STANDPIPE, 1936	390743 Page 97				X=	ϕ 39°00'18.103"			558.2 1292.0
						Y=	λ 74°47'48.913"			1176.9 266.8
	NORTH WILDWOOD, 1932	390743 Page 56				X=	ϕ 39°00'24.9093"			768.1 1082.1
						Y=	λ 74°47'30.3563"			730.4 713.3
	GRASSEY SOUND, 1962	390743 Page 58				X=	ϕ 39°01'46.6342"			1438.1 (412.1)
						Y=	λ 74°48'04.5985"			110.6 (1332.6)
	MAY, 1936	G.P. Page 348				X=	ϕ 39°04'42.764"			1318.7 (531.5)
						Y=	λ 74°48'15.321"			368.3 (1073.9)
						X=	ϕ			
						Y=	λ			
						X=	ϕ			
						Y=	λ			
						X=	ϕ			
						Y=	λ			
						X=	ϕ			
						Y=	λ			
						X=	ϕ			
						Y=	λ			
COMPUTED BY			DATE	COMPUTATION CHECKED BY						DATE
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-00118

31 - DELINEATION

Compilation was by the Wild B-8 stereoplotting instrument using 1:40,000 scale photography dated September 29, 1970. The photo coverage was adequate. There was no field inspection prior to compilation.

32 - CONTROL

The horizontal control was adequate. Refer to Photogrammetric Plot Report, Part I, dated February 1971.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

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

35 - SHORELINE AND ALONGSHORE DETAILS

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

36 - OFFSHORE DETAILS

None.

37 - LANDMARKS AND AIDS

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

38 - CONTROL FOR FUTURE SURVEYS

Pre-selected Photo-hydro Stations lie within the limits of this survey. See item 49.

39 - JUNCTIONS

See form 76-36B, item 5, of this Descriptive Report concerning junctions.

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40 - HORIZONTAL AND VERTICAL ACCURACY

No statement.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangle: Stone Harbor, NJ, scale 1:24,000, dated 1955; and Avalon, NJ, scale 1:24,000, dated 1953.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with N.O.S. chart 826-^S5C, scale 1:40,000, 8th edition, dated November 28, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Richard R. White

Richard R. White
Cartographic Technician
June 7, 1971

Approved,

Billy H. Byrd, Jr.

James L. Byrd, Jr.
Chief, Coastal Mapping Section



FIELD EDIT REPORT
Job PH 7002
DELAWARE BAY, NEW JERSEY
TP 00118 - HEREFORD INLET

This sheet was field edited during the 1972 Summer Season.

52. ADEQUACY OF COMPILATION

Compilation was generally good, when the field edit data is applied the compilation will be adequate.

54. RECOMMENDATIONS

None

56. SHORELINE AND ALONGSHORE FEATURES

The mean high water line was indicated by measurements from photo points pricked on photos 70 L(C) 1292, 1294, & 1295. The area at Seven Mile Point has changed considerably since photography so the area was reconstructed by sextant fixes and shown on the film ozalid.

All changes to the field edit sheet are indicated on photos 70 L(C) 1292, 1294, 1295, & 1300 or on the field edit ozalid, and are cross referenced.

58. LANDMARKS AND AIDS

Forms 76-40 are submitted for all fixed Aids to Navigation. Daybeacons # 52, 66, 68, & 80 were located by sextant fixes and plotted on the film ozalid. The HEREFORD INLET LIGHTHOUSE, 1928 is no longer used as an aid, a new light on a skeletal steel structure was located by traverse. Forms 76-40 are submitted for all Landmarks. The CUPOLA on the New Jersey Marine Police Administration Building was pricked on photo 70 L(C) 1300 for a new position, because the Triangulation station HEREFORD INLET LOOKOUT TOWER was a separate structure that no longer exists.

59. GENERAL STATEMENT

All field edit notes have been made in violet ink on the field edit ozalid and/or photographs, and are cross referenced.

Respectfully Submitted;

Arthur R. Bricknell
Surveying Technician

REVIEW REPORT
SHORELINE

TP-00118

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: Avalon, NJ, dated 1953 and Stone Harbor, NJ, dated 1955. Both are at a scale of 1:24,000.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There was no contemporary hydrographic survey conducted in the area pertaining to this final map.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. Charts: 12316, 20th edition, dated January 1983, scale 1:40,000; and, 12318, 34th edition, dated January 16, 1982, scale 1:80,000.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

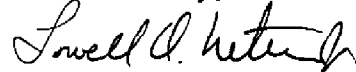
This map complies with project instructions, and meets the requirements for National Standards of Map Accuracy.

Approved for forwarding,



Billy H. Barnes
Chief, Photogrammetric Section, AMC

Submitted by,



Lowell O. Neterer,
Jr.

Approved,

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry
Branch

May 2, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00118

Anglesea
Anglesea Marsh
Atlantic Ocean
Balston Point
Beach Creek
Beach Creek Meadow
Bluefish Brothers
Bluefish Creek
Carnival Bay
Clubhouse Creek
Cresse Thorofare
Crooked Creek (1)
Crooked Creek (2)
Crooked Thorofare
Crooked Thorofare Cove
Dead Thorofare
Dead Thorofare Point
Drum Island
Drum Thorofare
Dung Thorofare
East Fork
Genesis Bay
Go Through Gut
Grassy Sound
Grassy Sound Meadow
Great Channel
Great Flat
Great Flat Thorofare
Gull Island
Gull Island Thorofare
Halfmile Point Meadow
Haulover Point
Hereford Inlet
Hetty Creek
Hoffman Canal
Intracoastal Waterway

Island Thorofare
Jacovy Creek
Jenkins Sound
Josh Creek
Jug Creek
Little Dung Thorofare
Little Scotch Bonnet
Little Sound Meadow
Long Reach
Lower Long Reach
Ludlain Gut
Mat Gut
Muddy Hole
Muddy Hole Island
Mulford Creek
Mulford Creek Meadow
Narrows Point
Nichols Channel
Nichols Point
North Basin
North Channel
North Channel Pond
North Wildwood
Nummy Island
Oldman Creek
Oldman Creek Meadow
Ottens Basin
Outer Island
Oyster Creek (1)
Oyster Creek (2)
Pleasure Bay
Poor House Flat
Ring Island
Ring Island Creek
Sand Marsh Cove
Scotch Bonnet (locale)

Scotch Bonnet
Sedge Island
Seven Mile Beach
Shark Creek
Side O'th Bay
Snug Harbor
South Basin
Southeast Creek
Southeast Point
Stone Harbor
Stone Harbor (locale)
Stone Harbor Canal
Stone Harbor Creek
Stone Harbor Hole
Sturgeon Hole
Sturgeon Island
Sturgeon Point
Turtle Gut
Voorhees Creek
West Fork
West Island
White Island
White Island Point

Approved by:

Charles E. Harrington
Charles E. Harrington
Chief Geographer
Nautical Charting Division

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES	<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
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 Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 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.	

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
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 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* require entry of method of location and date of field work. EXAMPLE: F-2-6-1 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter '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.	

