TP- 00644

TP- 00644

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.	*Edition No.*
TP-00644	1

Job No.
PH-7002

Map Classification
CLASS III FINAL

Type of Survey
SHORELINE

LOCALITY

State
NEW JERSEY

General Locality
DELAWARE BAY

Locality
COHANSEY RIVER

1970 TO 19

REGISTRY IN ARCHIVES

DATE

4

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

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
- [X] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP- 00644
MAP EDITION NO. (1)
MAP CLASS Class III Final
JOB PH- 7002

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Atlantic Marine Center Norfolk, VA

OFFICER-IN-CHARGE
A. Y. Bryson

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH-
MAP CLASS
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation (Part I)	November 23, 1970	Precompilation Field	July 22, 1970
Aerotriangulation (Part II)	January 15, 1971		
Compilation (Part I)	March 17, 1971		
Compilation (Part II)	May 5, 1972		
Amendment I	March 28, 1975		
Supplement I	April 18, 1975		
Memo (Cancel field edit)	December 14, 1979		
Memo (Completion Schedule)	June 22, 1981		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER; [ ] MEAN LOW-WATER; [ ] MEAN LOWER LOW-WATER; [ ] 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 METHOD: Analytic	BY	D. Norman	April 1975
	LANDMARKS AND AIDS BY	H. Eichert	April 1975
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Norman	April 1975
	CHECKED BY	H. Eichert	April 1975
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	I. Perkinson	Aug. 1976
	CHECKED BY	J. Byrd	Aug. 1976
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:10,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	I. Perkinson	Oct. 1976
	CHECKED BY	C. Blood	Sept. 1979
METHOD: Smooth drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	I. Perkinson	Oct. 1976
	CHECKED BY	C. Blood	Sept. 1979
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	C. Blood	Sept. 1979
6. APPLICATION OF FIELD EDIT DATA	BY	None	
	CHECKED BY	None	
7. COMPILATION SECTION REVIEW	BY	C. Blood	Sept. 1979
8. FINAL REVIEW	BY	L. O. Neterer, Jr.	Aug. 1983
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L. O. Neterer, Jr.	AUG 1984
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. DAUGHERTY	NOV, 1984

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 161 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00644

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "L" and RC-10 "C"

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR X
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 75th — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
75 C(C)5732-5733*	4/1/75	15:06	1:60,000	5.2 ft. above MLW
70 L(C)1119A- 1122A	11/17/70	10:46	1:40,000	5.2 ft. above MLW
70 L(C)9490 - 9493	3/11/70	12:32	1:20,000	5.8 ft. above MLW
70 L(C)9465-9468	3/11/70	12:03	1:20,000	5.8 ft. above MLW
70 L(C)9498-9502	3/11/70	12:40	1:20,000	5.9 ft. above MLW

REMARKS
*Strip 75 C(C) 5731-5733 is a part of a strip covering Job CM-7508.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed compilation photography.

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
None	TP-00645	TP-00122	None

REMARKS

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00644

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION (Premarking) [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J. Wilson	9/16/70
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00644

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.	October 1976	Class III manuscript	10/2/79	3/7/80
Compilation complete	Sept. 1979	This map will not be field edited.	None	None

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		3/28/80	Aids to be charted

2. [X] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: March 28, 1980
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

III. FEDERAL RECORDS CENTER DATA

1. [X] *BRIDGING PHOTOGRAPHS;* [X] *DUPLICATE BRIDGING REPORT;* [X] *COMPUTER READOUTS.*
2. [X] CONTROL STATION IDENTIFICATION CARDS; [X] FORM NOS. ~~XXX~~ SUBMITTED BY FIELD PARTIES. 76-40
3. [X] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

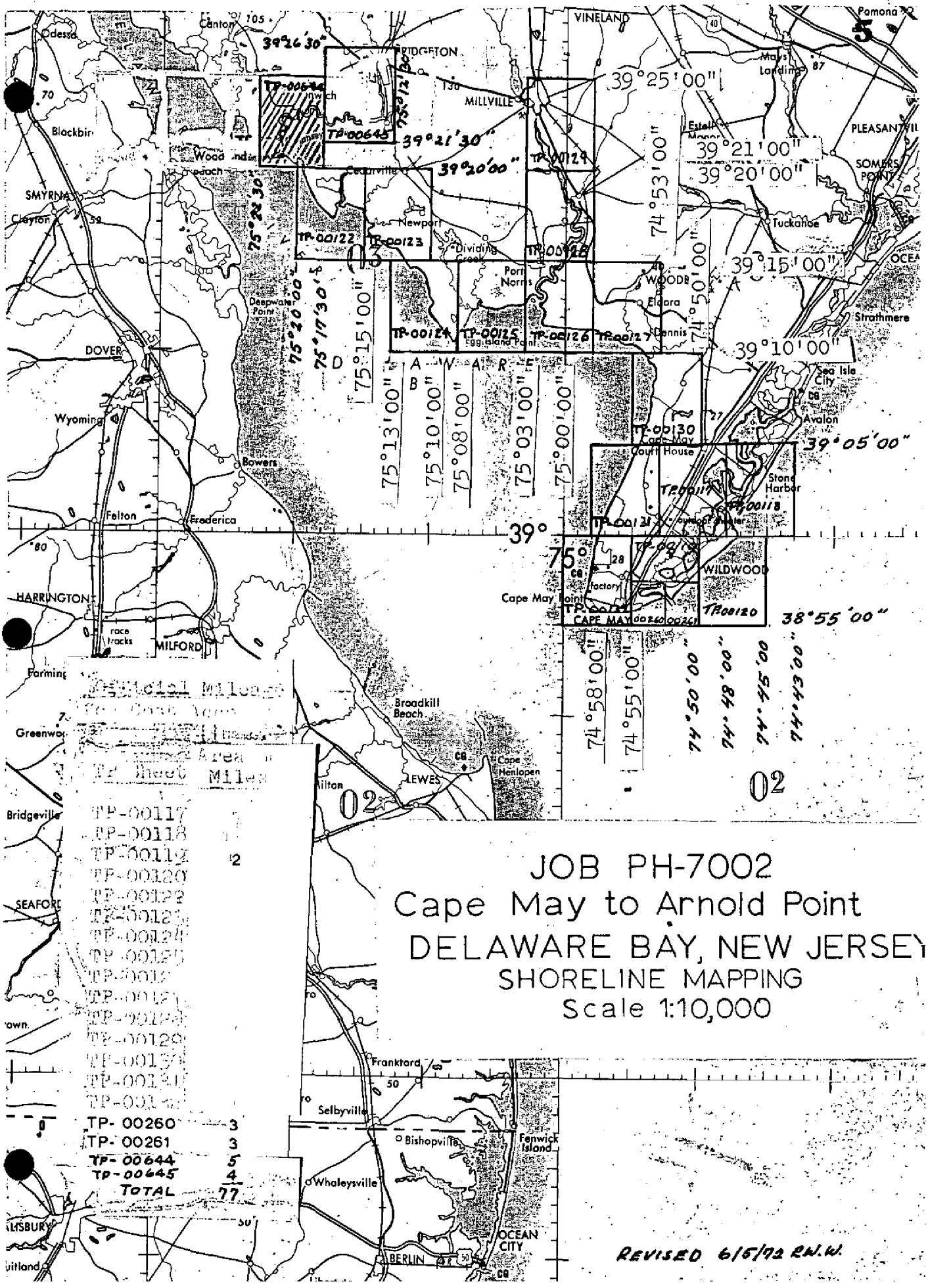
4. [ ] DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

NOAA FORM 76-36D

☆U.S. Government Printing Office: 1975 — 665-661/1108, Region No. 6



Official Mileage
TP Sheet Miles

TP-00117	
TP-00118	
TP-00119	2
TP-00120	
TP-00122	
TP-00123	
TP-00124	
TP-00125	
TP-00126	
TP-00127	
TP-00128	
TP-00129	
TP-00130	
TP-00131	
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 6/5/92 RW.W.

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00644

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°55'00, north to Bridgeton, latitude 39°26'30" and from Stone Harbor longitude 74°43'00" west to the Cohansey River longitude 75°20'00".

This project was divided into two parts. Part I consists 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 using the "L" camera was taken in March 1970 at 1:20,000 scale to be used 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 premarking of horizontal control for aerotriangulation.

Analytic aerotriangulation was performed at the Washington Science Center in February 1971 on Part I and in May 1972 on Part II. Supplemental aerotriangulation was performed to include TP-00644 and TP-00645 in April 1975 and September 1976.

Due to a hiatus in the 1970 photography additional transparencies from PH-7505 photographs, 75 C(C) 5731 thru 5733, were used to complete maps, TP-00644 and TP-00645.

No field edit was assigned for these maps.

No photo-hydro signals were located within the limits of this map.

Compilation was performed at the Atlantic Marine Center in September 1979.

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

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

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

FIELD INSPECTION

TP-00644

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
Delaware Bay, New Jersey Part II
Job PH-7002
May 1972

21. Area Covered

This report pertains to the southern shore of the Delaware Bay from Ben Davis Point easterly to Dennis Creeks. This area is covered by nine (9) 1:10,000 scale maps (TP-00122 thru TP-00130).

22. Method

Seven (7) strips of photographs (strip Nos. 4 thru 10) were bridged using analytic aerotriangulation methods. Strip Nos. 4 thru 7 (60 photographs) were used in a block adjustment. Strip No. 8 was adjusted as a single strip using premarked control. Strip Nos. 9 and 10 were bridged using 1:20,000 scale photography. These strips were controlled by positions of points determined in the block adjustment from Part I of this project. Ties were made to all strips. Sketch No. 1 shows the layout of maps, strips of bridging photography and the location of horizontal control stations. The positions of common points between the 1:40,000 and 1:20,000 scale photography were determined in order to ratio the 1:20,000 scale photography for hydro support use. Sketch No. 2 shows the location of the strips of 1:20,000 scale photography for hydro support. Attached to this report is a tabulation of control.

Positions were also determined for fifty (50) hydro signals that were selected and described by a field party before bridging.

Data for the nine (9) 1:10,000 scale maps were plotted by the Coradomat on the New Jersey State Plane Coordinate System.

23. Adequacy of Control

All horizontal control stations were premarked and control was adequate.

24. Supplemental Data

Vertical control for the strip and block adjustments was taken from USGS quadrangles.

25. Photography

The following RC-8 photography was used in bridging:

1:40,000 scale

Strip 4	70-L(C)-8568 thru 8570
Strip 5	70-L(C)-1130A thru 1140A
Strip 6	70-L(C)-1101A thru 1124A
Strip 7	70-L(C)-1074A thru 1095A
Strip 8	79-L(C)-1142A thru 1150A

1:20,000 scale

Strip 9	70-L(C)-9598 thru 9600
Strip 10	70-L(C)-9643 thru 9645

The photography was adequate.

Respectfully submitted:

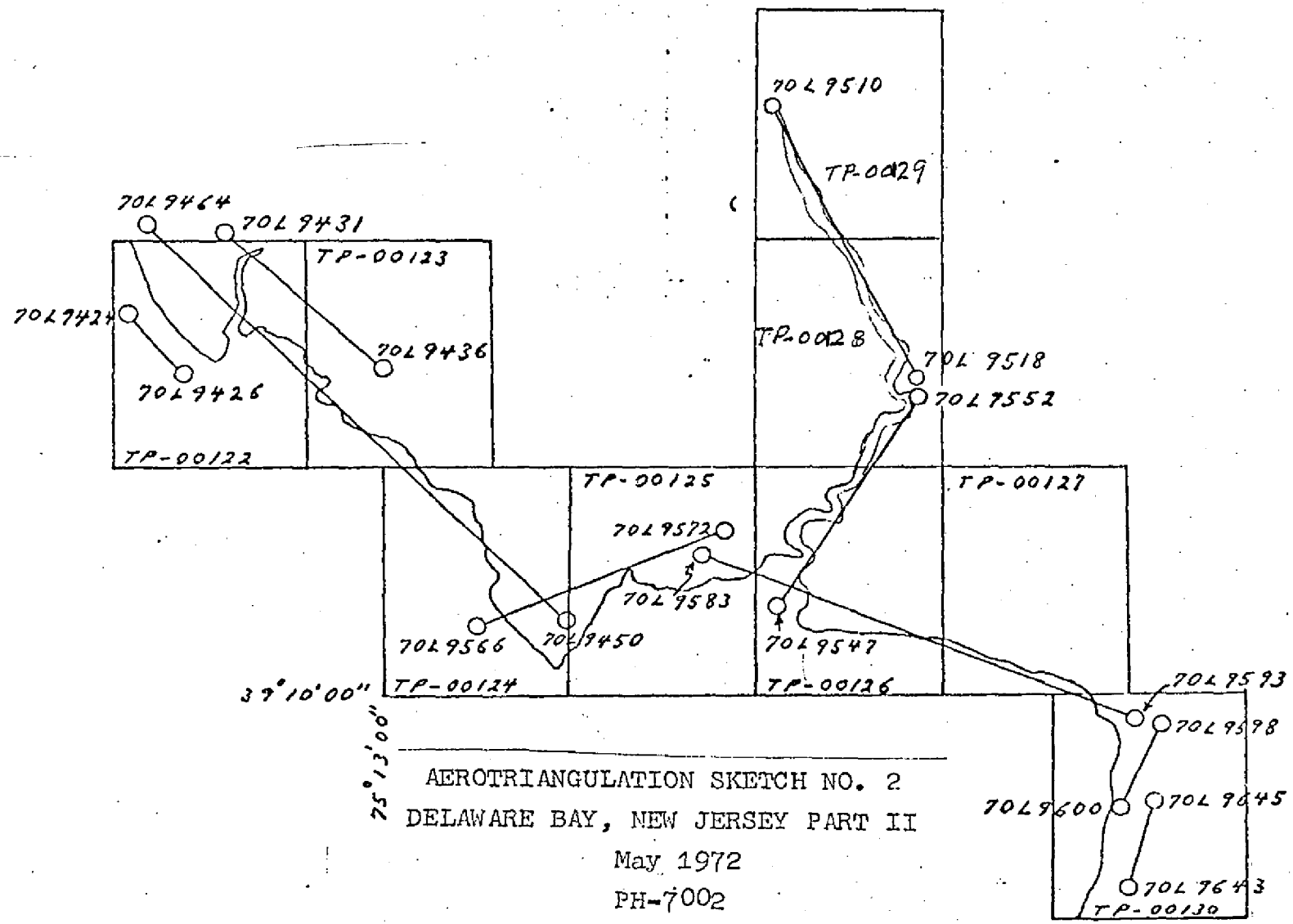
Donald M. Brant

Approved and forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section

DELAWARE BAY, NEW JERSEY
Fit to Control
(x, y) in feet

1.	STITES, 1936 subpoint	(+0.03, +0.02)
2.	GOSHEN, 1933	(-0.04, +0.06)
3.	LEESBURG, 1932 subpoint	(+0.15, -0.02)
4.	EAST, 1933	(-0.09, +0.09)
5.	FALSE EGG ISLAND POINT WOODEN TOWER, 1933	(+0.39, +0.43)
	FALSE EGG ISLAND POINT WOODEN TOWER, 1933 subpoint	(-0.28, +0.07)
6.	JOSCELYNE, 1834	(+0.03, -0.11)
7.	BEN DAVIS POINT LIGHT, 1970	(-3.22, -1.53)
	BEN DAVIS POINT LIGHT, 1970 subpoint	(-0.07, -0.06)
8.	ARNOLD (USE), 1932 subpoint	(-0.09, -0.07)
9.	WILLIS, 1933	(+0.08, -0.06)
10.	PETTINOS, 1935 subpoint	(-4.338, -1.165)
11.	MILLVILLE, 1935 subpoint	(+2.124, +0.769)
12.	Tie Point (From block adjustment)	(+1.142, -0.394)



AEROTRIANGULATION SKETCH NO. 2

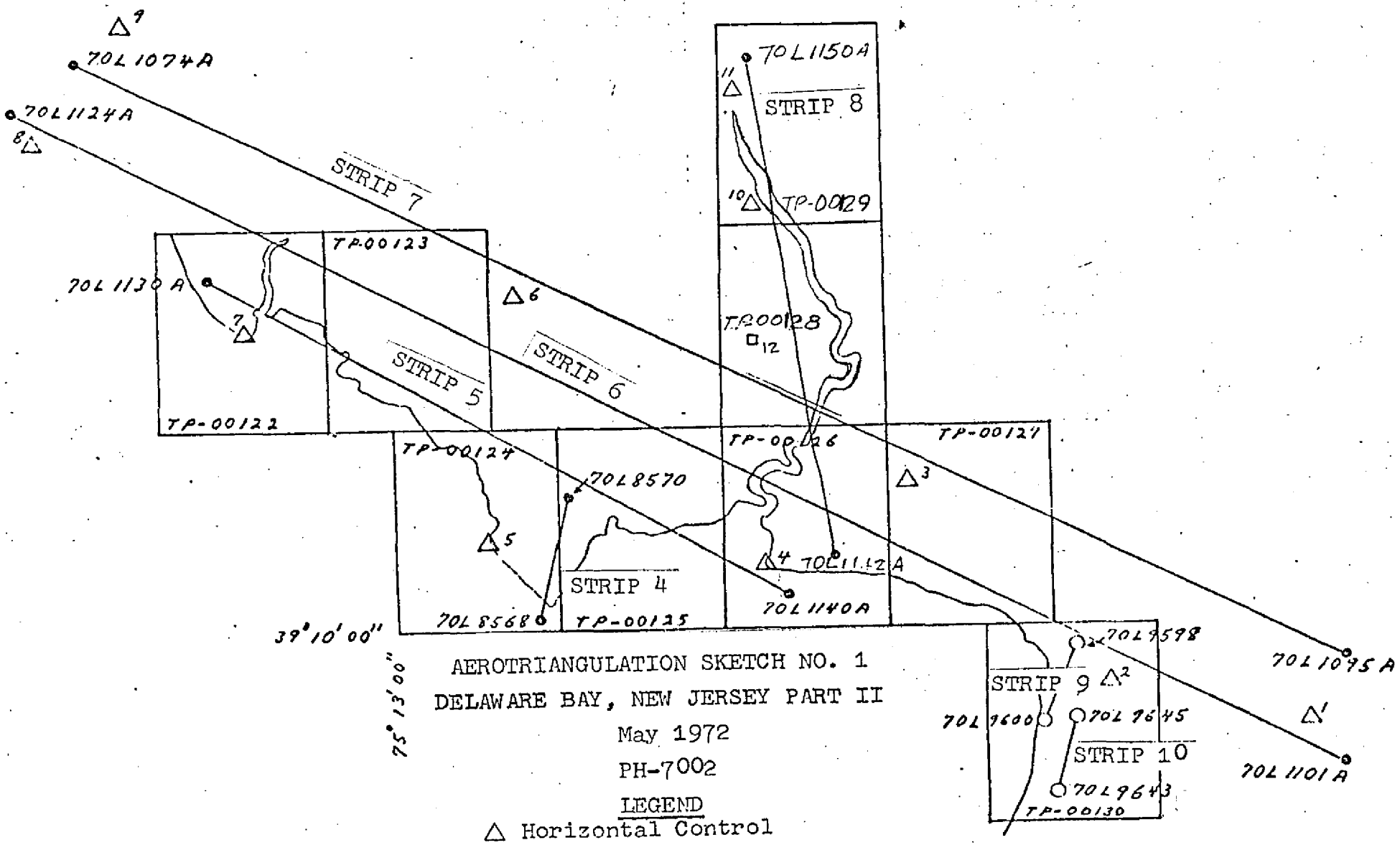
DELAWARE BAY, NEW JERSEY PART II

May 1972

PH-7002

LEGEND

○ 1:20,000 scale color photography



AEROTRIANGULATION SKETCH NO. 1

DELAWARE BAY, NEW JERSEY PART II

May 1972

PH-7002

LEGEND

△ Horizontal Control

□ Tie Point

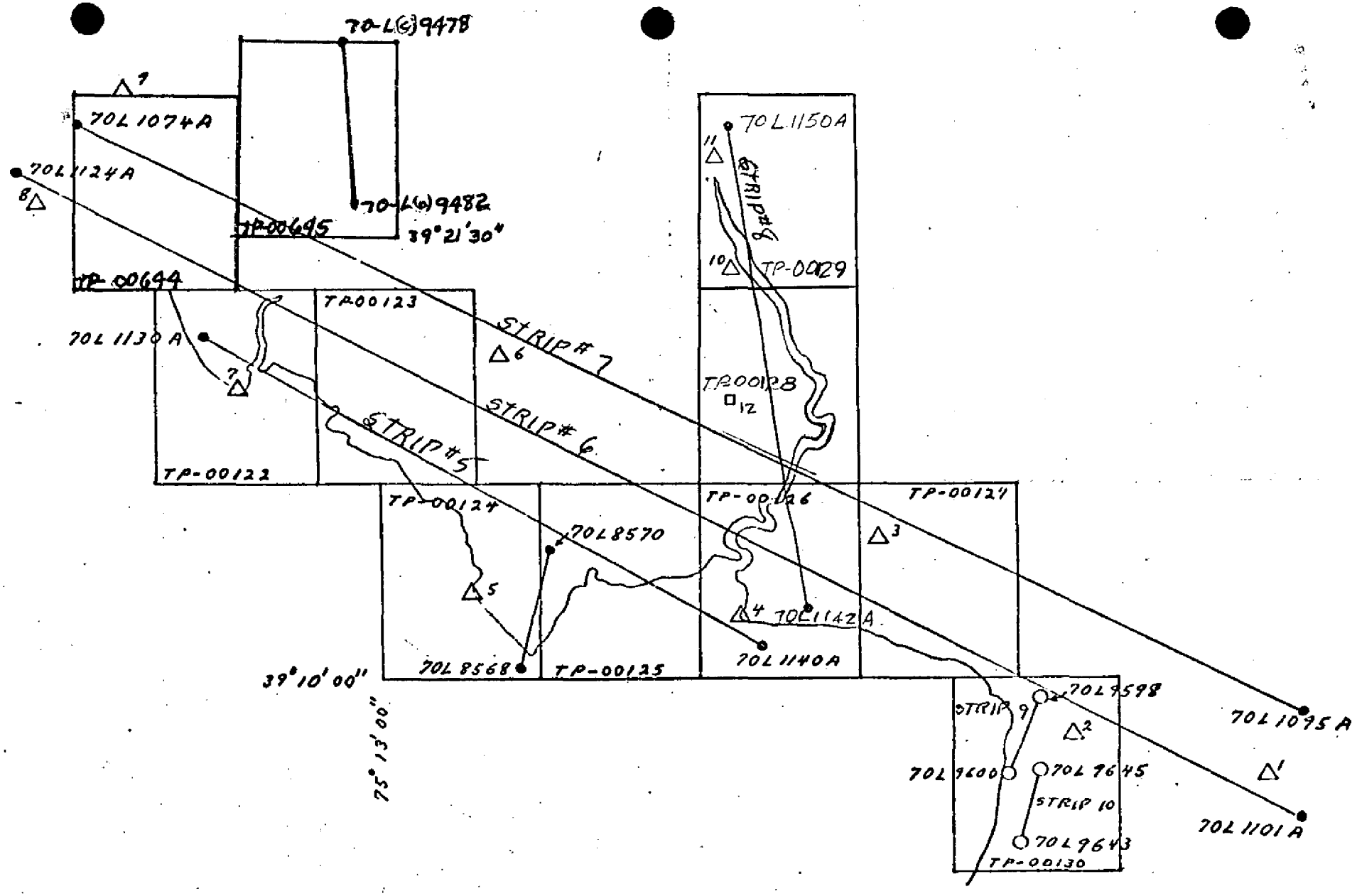
⊛ 1:40,000 scale color photography

○ 1:20,000 scale color photography

Supplement to
Photogrammetric Plot Report
Delaware Bay, New Jersey, Part II
Job PH-7002
April 1975

One additional strip 70L(C)9478 thru 9482 (1:20,000) was bridged to provide points to compile TP-00645. Ties were made to adjoining strips.

Two sheets at 1:10,000 scale, TP-00644 and TP-00645, were plotted on the Calcomp using the New Jersey State Plane Coordinate System.


70-L(G)9478
70-L(G)9482
39°21'30"
TP-00695
TP-00694
70L1074A
70L1124A
70L1130A
70L1150A
STRIP #8
TP-0029
TP-00123
TP-00122
TP-00124
TP-00125
TP-00126
TP-00127
TP-00128
STRIP #7
STRIP #6
STRIP #5
70L8570
70L8568
70L1142A
70L1140A
39°10'00"
75°13'00"
STRIP 9
70L9598
70L9600
70L9645
STRIP 10
70L9643
TP-00130
70L1095A
70L1101A

SUPPLEMENT TO PHOTOGRAMMETRIC
PLOT REPORT
PH-7002

1975
One strip of photography was bridged in order to complete the compilation of Sheet TP-00645. The strip was adjusted using photo identified field control points, and tie points from a previously bridged strip.

The strip was bridged on 14th September 1976, and adjusted on the 16th September 1976.

The adjustment is more than adequate for its intended purpose.

NOAA FORM 76-41
(6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00644	PH-7002	NA 1927	Coastal Mapping Unit

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
COHANSEY RIVER REAR RANGE FLASHING LIGHT, 1933	G.P. pg. 130		x=	φ 39°20'47.476"	1464.1
			y=	λ 75°21'56.121"	1343.8
NEW COHANSEY LIGHT, 1933	G.P. pg. 131		x=	φ 39°20'29.805"	919.2
			y=	λ 75°21'41.878"	1002.9
			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	
			x=	φ	
			y=	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
		F. Mauldin	10/4/76
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-00644

31. DELINEATION

Delineation was by the Wild B-8 stereoplotting instrument. April 1975 bridging photography was used to supplement the 1970 photographs used due to a gap in the 1970 photography. This map was added to the project in April 1975.

32. CONTROL

Refer to the Photogrammetric Plot Report, dated May 1972 and the supplements dated April 1975 and September 1976.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated using the Wild B-8 stereoplotter from interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details were compiled from interpretation of the photographs.

36. OFFSHORE DETAILS

Offshore details were compiled from interpretation of the photographs.

37. LANDMARKS AND AIDS

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

38. CONTROL FOR FUTURE SURVEYS

None

TP-00644

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report, dated May 1972 and the Supplements dated April 1975 and September 1976.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U. S. Geological Survey Quadrangles: Ben Davis Point, New Jersey - Delaware dated 1955, and Shiloh, New Jersey, dated 1947. Both are 1:24,000 scale.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Chart: Delaware Bay 1218, Scale 1:80,000, 20th edition, dated November 3, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Irene Perkinson
Cartographic Technician

Date: October 26, 1976

Approved,

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

REVIEW REPORT
SHORELINE

TP-00644

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. Quadrangles: Ben Davis Point, New Jersey-Delaware, dated 1956 and Shiloh, New Jersey, dated 1947. Both are 1:24,000.

64. COMPARISON WITH CONTEMPORARY HYDROGRPHIC 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 NOS chart 12304, 28th edition, 1:80,000 scale, dated April 17, 1982.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by,

Lowell O. Neterer

Lowell O. Neterer, Jr.
Final Reviewer

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch

May 2, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00644

Ayres Creek
Bacons Neck
Browns Run
Cabin Creek
Cabin Island
Cohansey Cove
Cohansey Point
Cohansey River
Cut Through
Delaware Bay
Division Creek
Drumbo Creek
Green Swamp
Greenwich
Greenwich Pier (locale)
Laning Wharf
Loyds Corner
Middle Marsh Creek
Mounce Creek
Tindall Island
Wheaton Run

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED ☐ TO BE REVISED ☐ TO BE DELETED	REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
	Coastal Mapping Unit AMC, Norfolk, VA	New Jersey	Cape May to Arnold Point, Delaware Bay	6/7/76

The following objects HAVE ☐ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	PH-7002	TP-00644	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
Light	(New Cohansey Light 1933)	39°20	29.805 919.2	75°21	41.878 1002.9	70L(C)1121A	Not field edited	12122
Light	(Cohansey River Rear Range Flashing Light 1933) Cohansey Inner Light	39°20	47.476 1464.1	75°21	56.121 1343.8	70L(C)1121A	Not field edited	12122
Light	Cohansey Outer Light*						Not field edited	12122
	*Position redetermined in 1982							

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ 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

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

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

☆ U.S. GPO:1975-0-665-080/1155

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED ☐ TO BE REVISED ☐ TO BE DELETED	REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
	Coastal Mapping Unit AMC, Norfolk, VA	New Jersey	Cape May to Arnold Point, Delaware Bay	6/7/76

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	PH-7002	TP-00644	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	METHOD AND DATE OF LOCATION FIELD	CHARTS AFFECTED
	NONE							

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

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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

I. NEW POSITION DETERMINED OR VERIFIED

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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.

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

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.

FORM C&GS-8352
(3-25-63)

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

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

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

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63