TP- 00132

TP- 00132

NOAA FORM 76-35
(3-76)

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

DESCRIPTIVE REPORT

Map No. TP-00132	*Edition No.* 1
Job No. PH-7002	
Map Classification FINAL	
Type of Survey SHORELINE	

LOCALITY

State NEW JERSEY
General Locality DELAWARE BAY
Locality CAPE MAY POINT

1970 TO 1972

REGISTRY IN ARCHIVES

DATE

*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- 00132

MAP EDITION NO. (1)

MAP CLASS FINAL

JOB PH- 7002

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Unit
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	Feb. 1971
	LANDMARKS AND AIDS BY	H. Eichert	Feb. 1971
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Norman	Feb. 1971
	CHECKED BY	H. Eichert	Feb. 1971
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	A. L. Shands	May 1971
	CHECKED BY	R. R. White	May 1971
INSTRUMENT: Wild B-8	CONTOURS BY	N.A.	
SCALE: 1:10,000	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	A. L. Shands	May 1971
	CHECKED BY	B. Wilson	June 1971
METHOD: Smooth drafted	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	A. L. Shands	May 1971
	CHECKED BY	B. Wilson	June 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	B. Wilson	June 1971
6. APPLICATION OF FIELD EDIT DATA	BY	R. R. White	June 1971
	CHECKED BY	A. L. Shands	Nov. 1973
7. COMPILATION SECTION REVIEW	BY	A. L. Shands	Nov. 1973
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 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769380/547 REG. #6

NOAA FORM 76-36B
(3-72)

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

TP-00132

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "L" f=152.21mm

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

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

TIDE STAGE REFERENCE
[XX] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[ ] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*70L(C)9610 - 9611	Mar 11,1970	14:12	1:20,000	1.7 ft. above MLW
*70L(C)9615 - 9617	Mar 11,1970	14:17	1:20,000	0.7 ft. above MLW
*70L(C)9626 - 9629	Mar 11,1970	14:25	1:20,000	1.0 ft. above MLW
*70L(C)9632 - 9636	Mar 11,1970	14:32	1:20,000	1.3 ft. above MLW
**70L(C)8562 - 8565	Sept29,1970	09:30	1:40,000	3.7 ft. above MLW

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

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

A low water line was delineated from the intracoastal waterway south, to the eastern limits of the map from the two flights of photographs with the tide within 1 foot of mean low water.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00131	TP-00119 *TP-00260	No Survey	No Survey

REMARKS *TP-00260 is 1:5,000 scale.

NOAA FORM 76-36B
(3-72)

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

NOAA FORM 76-36C
(3-72)

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

TP-00132

HISTORY OF FIELD OPERATIONS

I. [X] 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 9,1970
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	P. Walbolt	Sept 9,1970
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		
	LOCATED *(Field Methods)* BY		
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY		

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: Paneled

2. VERTICAL CONTROL IDENTIFIED: Inapplicable

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70L(C)8565	CAPE MAY, 1932		

3. PHOTO NUMBERS *(Clarification of details)*

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: [ ] REPORT [ ] NONE

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

7. SUPPLEMENTAL MAPS AND PLANS

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

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

ESSA FORM 76-36c
(2-70)

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

TP-00132

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION TP 00132

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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION — BY	To be completed during the	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 8534; 70 L(C) 9617, 9634, & 9635

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

See 76-40

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 Sheet Position computation of fix on CROW SHOAL RANGE
1 Sheet Fix
1 Field Edit Ozalid

NOAA FORM 76-36D
(3-72)

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

TP-00132

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation completed pending field edit	Nov. 1971	Class III manuscript SUPERSEDED	July 6,1971	July 6,1971
Field edit applied, compilation complete	Nov. 1973	Class I manuscript	June 7,1976	Apr. 7,1975
Final Review	Oct. 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	Aids for charts
1		Oct 7, 1975	Landmarks for charts
1		Oct 7, 1975	Landmarks for deletion (not included with report)

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Oct 7, 1975
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 ~~50~~ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

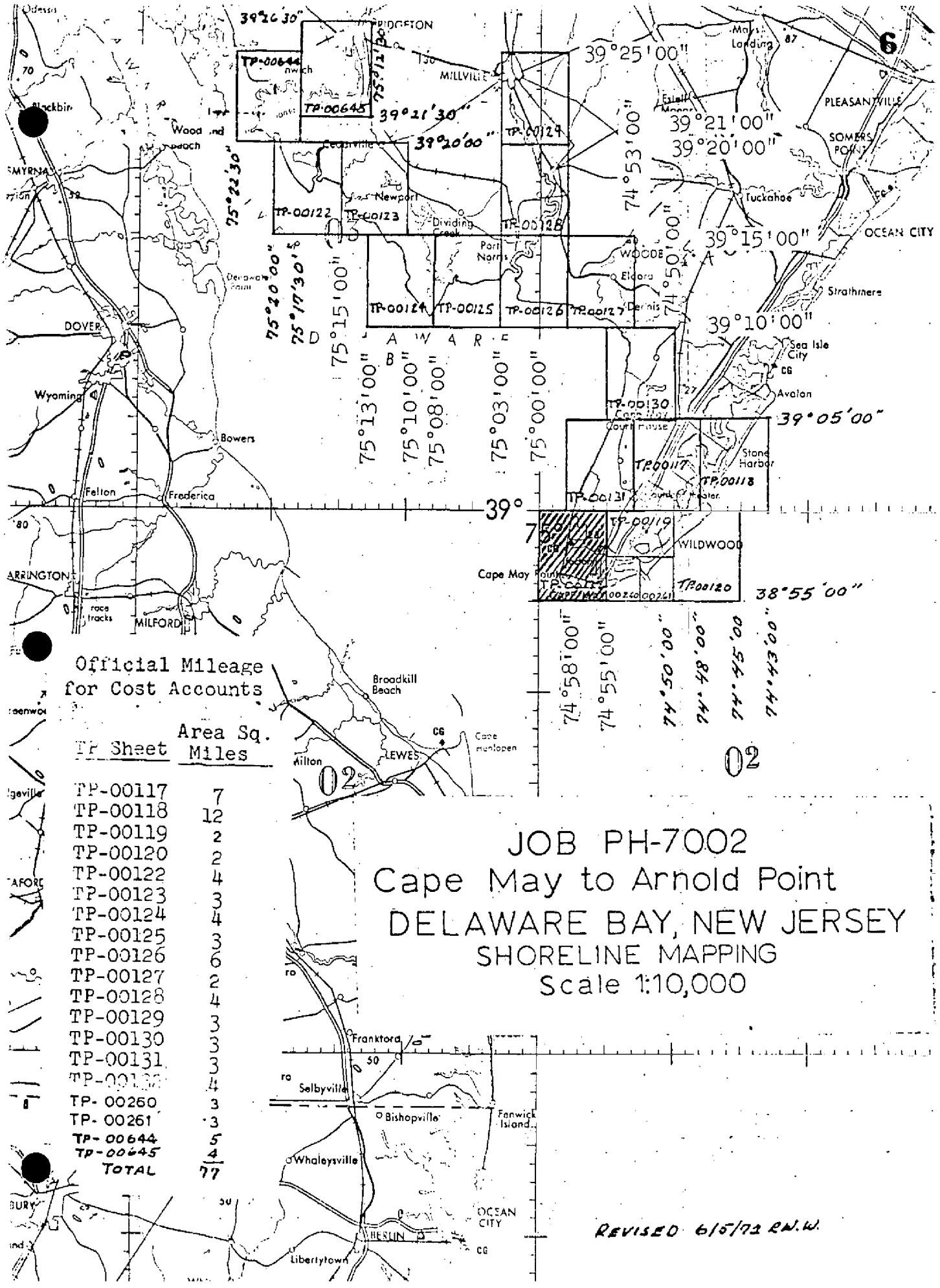
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

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



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-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 R.W.W.

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°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 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 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

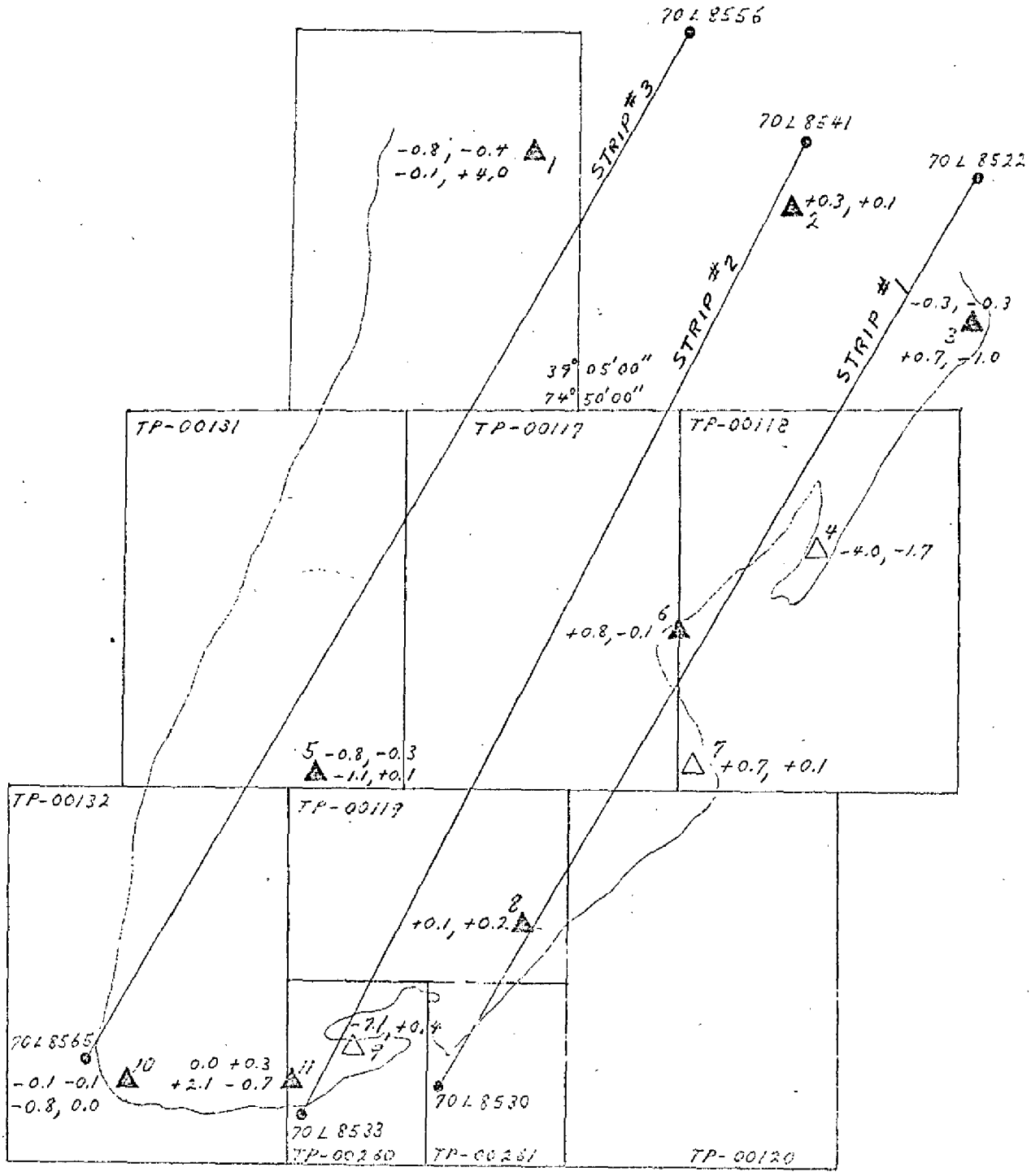
9. △ CAPE MAY COAST GUARD STATION WEST TANK, 1969
   office identified

10. △ CAPE MAY LIGHTHOUSE, 1859
    ⧋ CAPE MAY, 1932

11. △ CAPE MAY MUNICIPAL WATER TANK, 1936
    office identified
    ⧋ COLUMBIA, 1962 sub point

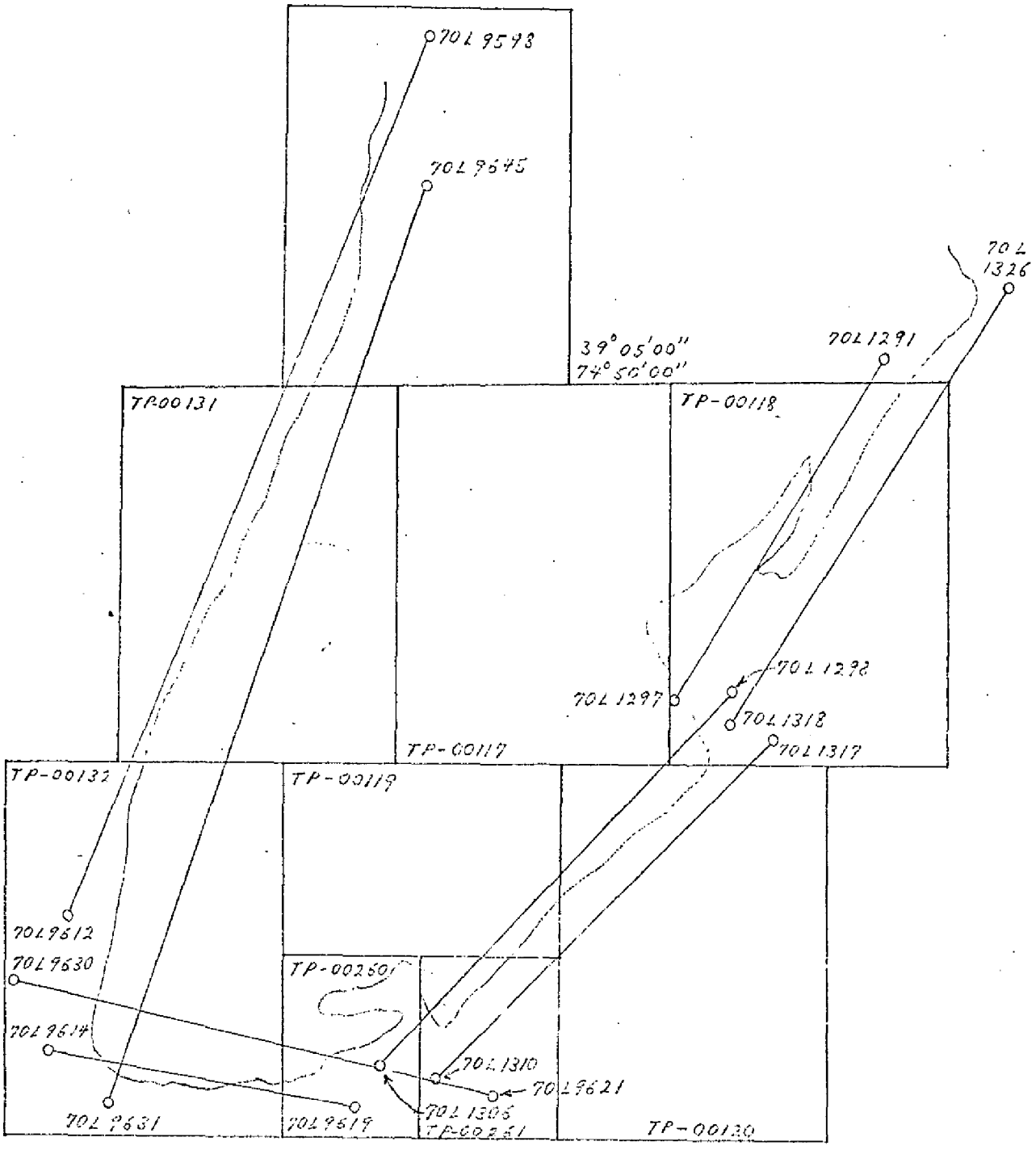
⧋ control used in adjustment
△ control used as check

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.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00132	PH-7002	N.A. 1927	

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE / ZONE)	GEOGRAPHIC POSITION (φ LATITUDE, λ LONGITUDE)	REMARKS
CAPE MAY LIGHTHOUSE, 1859	G.P. Pg. 32		x=	φ 38°55'58.383"	
			y=	λ 74°57'38.759"	
CAPE MAY CANAL ENTRANCE, NORTH JETTY LIGHT, 1957	G.P. Pg. 3		x=	φ 38°58'03.280"	
			y=	λ 74°58'01.068"	
CAPE MAY RM 1, 1962	G.P. Pg. 41		x=	φ 38°55'59.0334"	
			y=	λ 74°57'37.1070"	
			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
B. Wilson	6/11/71	Jim Bulfer	6/11/71
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.

13

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,
A. L. Shands

A. L. Shands
Cartographer

June 1, 1971

Approved,

J. L. Byrd Jr.

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 ozalid or from traverse stations.
A new bridge has been delineated on photo 70 L 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 Crow 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.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

Lowell O. Neterer, Jr.
Final Review

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-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

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	Delaware Bay	Oct. 1975

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
492	PH-7002	TP-00132	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
STANDPIPE		38 58	53.70 1656.	74 57	11.76 282	70L(C)9635 Mar. 11, 1970	V-Vis. Sept. 18, 1972	12304 12316
TANK	At Northwest Magnesite Company	38 56	43.44 1340	74 58	01.08 26	70L(C)9632 Mar. 11, 1970	V-Vis. Sept. 18, 1972	12304 12316

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
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- ☐ 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	Delaware Bay	Oct. 1975

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
492	PH-7002	TP-00132	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	Cape May Light (Cape May Lighthouse, 1959)	38 55	58.383 1800.4	74 57	38.759 933.5	70L(C)9632 Mar. 11, 1970	Triang. Rec. June 5, 1972	12304 12316
LIGHT	Cape May Canal West Entrance North Jetty Light (Cape May Canal Entrance North Jetty Light, 1957)	38 58	03.280 101.1	74 58	01.068 25.7	70L(C)9634 Mar. 11,11970	Triang. Rec. Sept.118, 1972	12304 12316
LIGHT	Cape May Canal West Entrance South Jetty Light	38 57	56.61 1745	74 58	01.96 48	70L(C)9634 Mar. 11, 1970	V-Vis. Sept. 18, 1972	12304 12316

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

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1 - Triangulation	5 - Field Identified
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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

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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

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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.

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S. GPO:1975-0-665-080/1155

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.

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

USCOMM-DC 8555-P63