

TP- 00130

TP- 00130

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-00130	Edition No. 1
Job No. PH-7002	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State NEW JERSEY	
General Locality DELAWARE BAY	
Locality BIDWELL CREEK	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1970 TO 1975 </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		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson		SURVEY TP. <u>00130</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>FINAL</u> JOB PH. <u>7002</u> LAST PRECEDING MAP EDITION TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED 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) 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) Dec. 14, 1979 Memo (Completion Schedule) June 12, 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		4. GRID(S)	
Polyconic		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	Feb. 1971
METHOD: Coradomat CHECKED BY		H. Eichert	Feb. 1971
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		C. Blood	May 1972
COMPILATION CHECKED BY		L. O. Neterer, Jr.	May 1972
INSTRUMENT: Wild B-8		CONTOURS BY	N.A.
SCALE: 1:20,000		CHECKED BY	N.A.
4. MANUSCRIPT DELINEATION PLANIMETRY BY		C. Blood	May 1972
CHECKED BY		L. L. Graves	May 1972
METHOD: Smooth drafted		CONTOURS BY	N.A.
CHECKED BY		N.A.	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY		C. Blood	May 1972
CHECKED BY		L. L. Graves	May 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. L. Graves	May 1972
6. APPLICATION OF FIELD EDIT DATA BY		F. Mauldin	Sept 1975
CHECKED BY		F. P. Margiotta	Sept 1975
7. COMPILATION SECTION REVIEW BY		F. P. Margiotta	Sept 1975
8. FINAL REVIEW BY		L. O. Neterer, Jr.	Oct 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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"L" f=152.21mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (C) (P) PANCHROMATIC (I) INFRARED		ZONE Eastern MERIDIAN 75th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*70L(C)9598 - 9600	Mar 11, 1970	14:10	1:20,000	3.6 feet above MLW	
*70L(C)9642 - 9645	Mar 11, 1970	14:35	1:20,000	3.0 feet above MLW	
*70L(C)9593	Mar 11, 1970	13:56	1:20,000	4.0 feet above MLW	
*70L(C)1105A and 1106A	Nov 17, 1970	10:40	1:40,000	5.6 feet above MLW	
*70L(C)8558 - 8560	Sept 19, 1970	09:28	1:40,000	5.4 feet above MLW	

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

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
TP-00127	No Contemporary Surv.	TP-00117 TP-00131	No Contemporary Surv.

REMARKS

TP-00130

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 P.B.W.	Sept. 1970
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY P.B.W.	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 (<i>Triangulation Stations</i>) BY	
	LOCATED (<i>Field Methods</i>) BY	
	IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY BY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70L(C)9646	GOSHEN, 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 ☒ NONE6. 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*)

TP-00130

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	8/15/75
2. HORIZONTAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	NA
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	
	LOCATED (Field Methods) BY	
	IDENTIFIED BY	NA
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<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	None

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Pre-marked

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

70L(C)9642, 43, 44, 45, 00; 70L(C)9599, 93

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

70L(C)9642, 44; 70L(C)9593

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
70L(C)9642	TOWER		
9644	LOOKOUT TOWER		
9644	TOWER		
9593	TOWER		

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)

Shoreline references from identified points are detailed on C&GS 152 (three forms)
(See points 3020, 21, 22), typed report in duplicate, NOAA Form 76-40 (four forms)
TWO

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	Apr. 25, 1972	Class III manuscript! SUPERSEDED	None sent	May 9, 1975
Field edit applies. Compilation complete	Sept. 1975	Class I manuscript	June 7, 1976	Oct 15, 1975
Final Review	Oct. 1983	Final		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGE NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Oct 7, 1975	Aid for deletion (no longer included with this DFR.)
1		Oct 7, 1975	Landmarks to be charted.

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

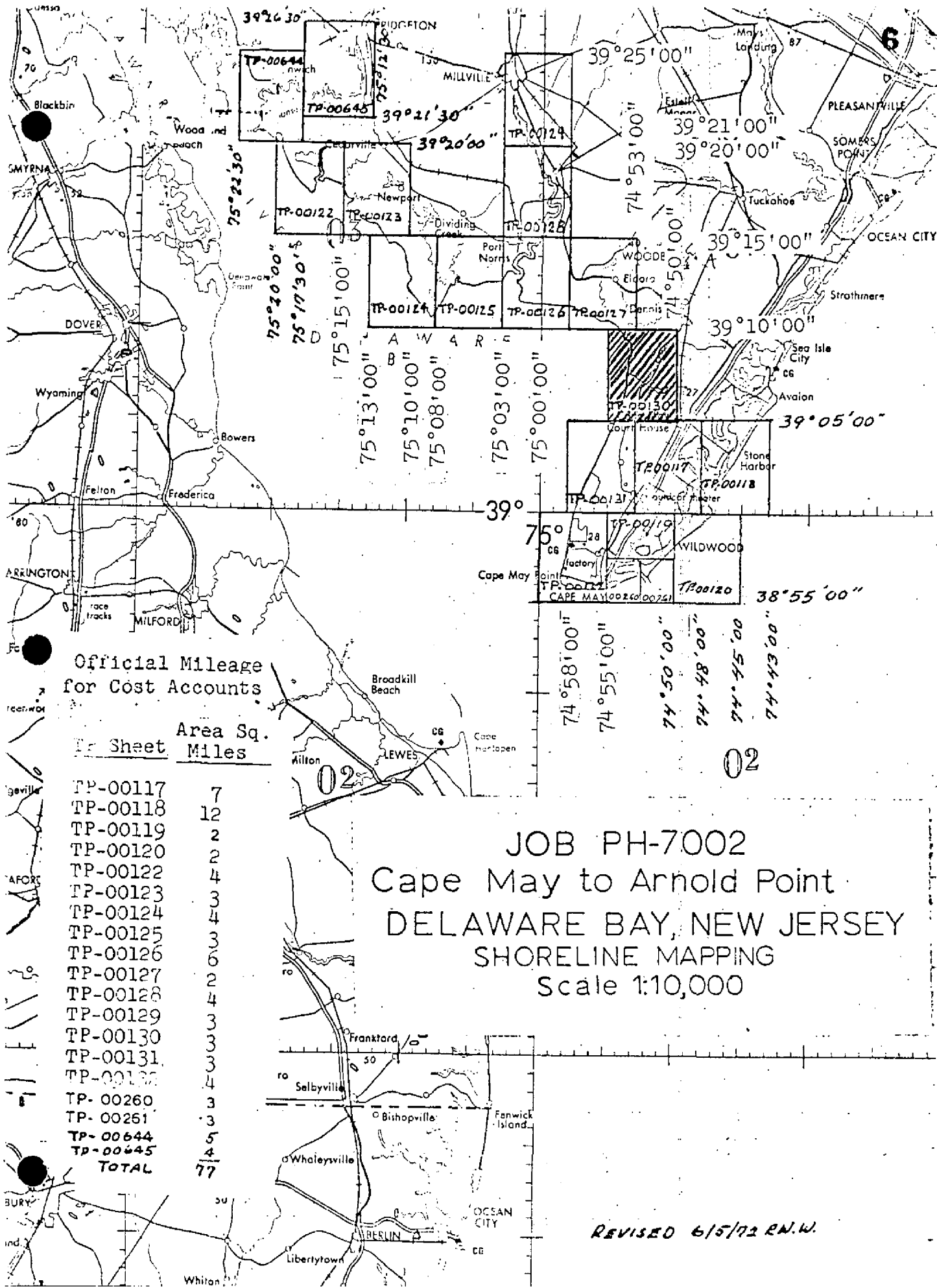
III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. ~~55~~ 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: PHOTO'S 70L(4) 9645, 70L(4) 9600 NOT WITH SURVEY AT TIME OF REGISTRY.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

Area Sq.
Miles

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 6/5/72 R.N.W.

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00130

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 and 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 performed at the Atlantic Marine Center in May 1972.

Field edit for this map was completed in August 1975.

The application of field edit was completed in September 1975 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-00130

There was no field inspection prior to compilation. The 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 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.

2

25. Photography

The following RC-8 photography was used in bridging:

1:40,000 scale

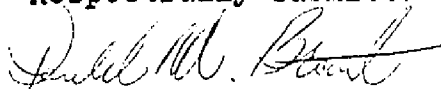
Strip 4	70-L(C)-8568 thru 8570
Strip 5	70-L(C)-1130A thru 1140A
Strip 6	70-L(C)-1101A thru 1124A
Strip 7	70-L(C)-1074A thru 1095A
Strip 8	79-L(C)-1142A thru 1150A

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

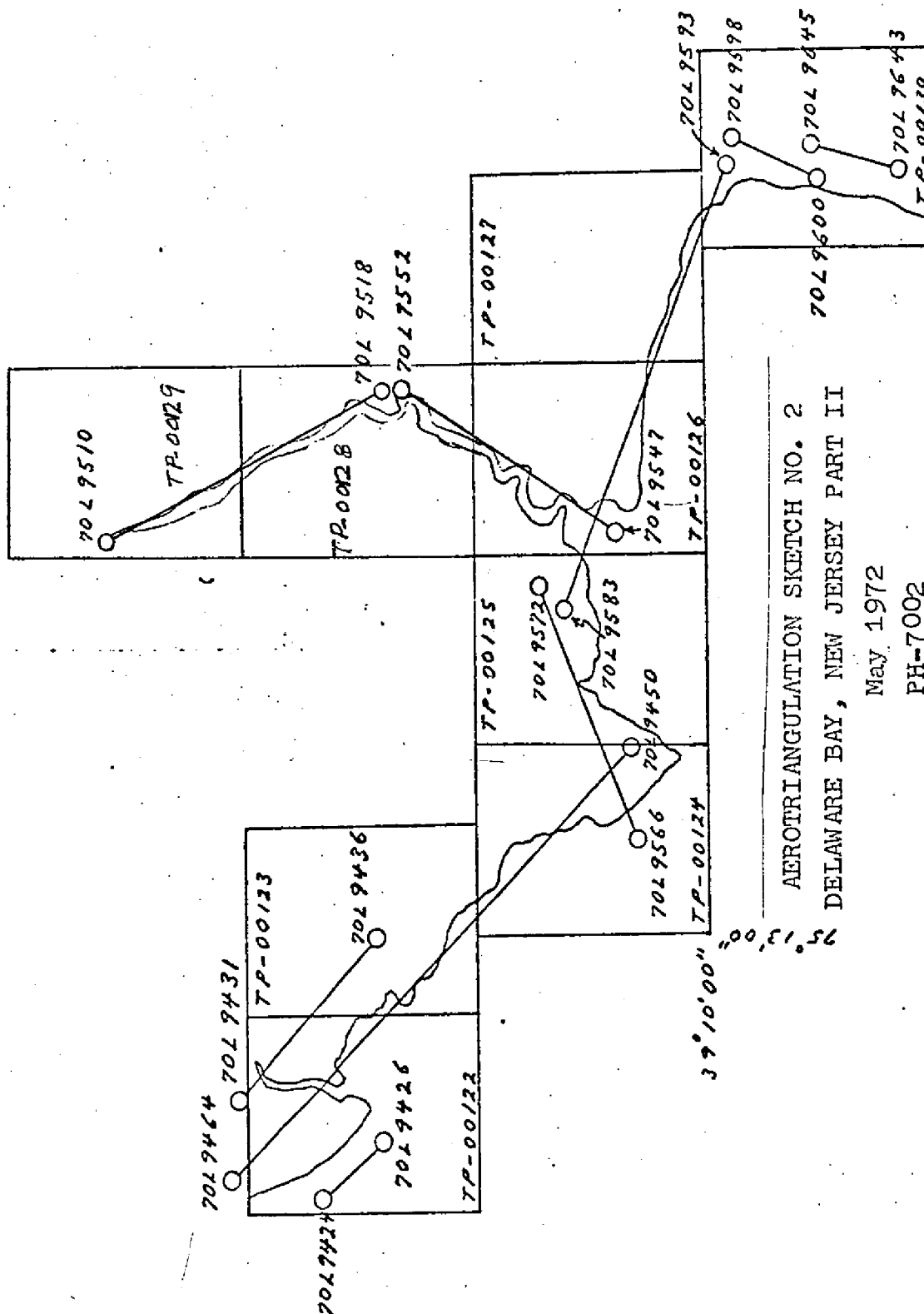
Approved and forwarded:



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

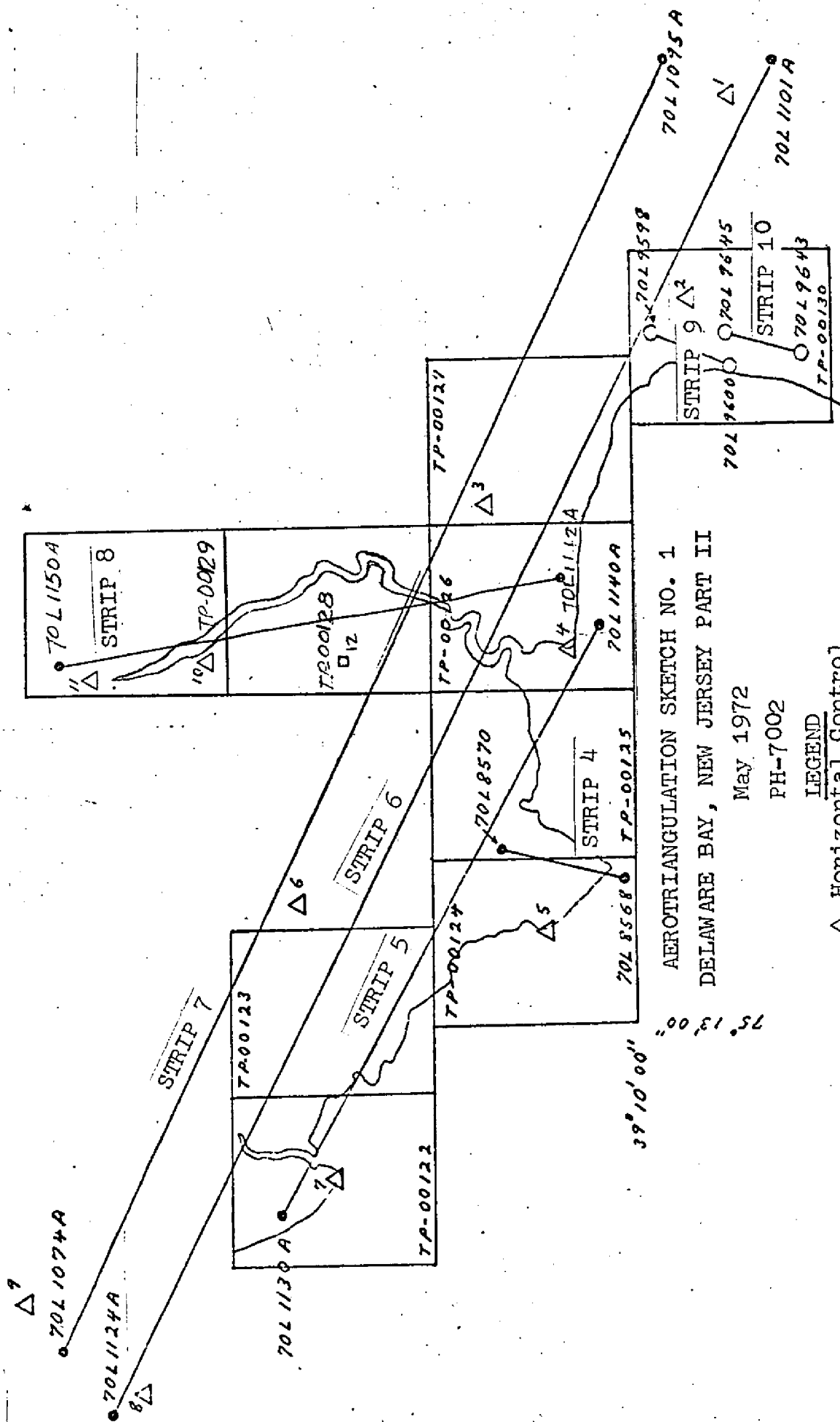
DELAWARE BAY, NEW JERSEY PART II

May 1972

PH-7002

LEGEND

○ 1:20,000 scale color photography



COMPILATION REPORT

TP-00130

31 - DELINEATION

Delineation was by the Wild B-8 stereoplotting instrument using September and November 1970 photography. Bidwell Creek, upstream from longitude 74° 51' 15" was not covered by ratio photographs. There was no field inspection prior to compilation.

32 - CONTROL

See Photogrammetric Plot Report, dated February 1931.

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 alongshore details were compiled from office interpretation of the photographs. No mean low water line was shown.

36 - OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

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

38 - CONTROL FOR FUTURE SURVEYS

Pre-selected photo-hydro stations lie within the limits of this survey. See listing in Item Number 49.

COMPILATION REPORT

TP-00130

39 - JUNCTIONS

See 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

Comparison has been made with U.S.G.S. Quadrangles Rio Grande, New Jersey, dated 1957, Stone Harbor, New Jersey, dated 1955, and Woodbine, New Jersey, dated 1958, 1:24,000 scale.

47 - COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1218, scale 1:80,000, seventeenth edition, dated October 10, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

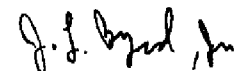
ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

C. E. Blood
Cartographic Technician
C.E. Blood
May 25, 1972

Approved,



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

Field Edit Report
CAPE MAY TO ARNOLD POINT
JOB CM-7002
SHORELINE MAPPING
MAP TP-00130

GENERAL

This sheet junctions on the south with TP-00131 and on the north with TP-00127. Bidwell Creek is wide and deep enough to handle small craft up to fifty feet to Nancy's Bridge on Route 47. The bridge has a one foot clearance at MHW. Reed's Beach has small craft docking and repair facilities. One of the form 76-40s sent to this party has positions listed for a R. TOWER and an F. TOWER. Both of the positions plot in marsh areas where there are no towers. The F. TOWER is obviously the TOWER near Lat. 39-06 but the other towers origin is not clear. New forms are being submitted.

51. METHODS

This area was inspected by boat and truck. Shoreline MHW reference measurements from selected photo points and field measurements on the photographs are also recorded on the C&GS Form 152s included with this report. Seven photographs were used for this sheet; they are the following: 70L(C)9642, 43, 44, 45, 00; and 70L(C)9599 and 93.

52. ADEQUACY OF COMPILATION

Much of this area is marsh and there are few landmarks or navigational aids other than the shoreline features. A privately maintained light at Bidwell Creek as shown on Chart 12304 and listed in the Light List was not present; a local marina operator indicated that a lighted buoy is to be placed at the entrance of the creek but it is not there as of the date of this report. Four private markers are at the entrance of this creek but charting them may cause confusion as the markers are subject to change as the channel changes. A Temporary Buoy has been placed at the entrance to the creek.

Goshen M.E. Church cannot be seen from the bay; it is not of landmark value.

A check of the marsh areas was not made over the entire area but a check along Bidwell Creek indicates the compilation is adequate. Some of the features in the ponds turned out to be floating algae rather than "grass in water".

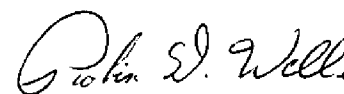
North of Lat. 39-08, the beach slope tends to be greater than 15 deg. and less south of that line.

RECOMMENDATIONS No. 54

Chart the four landmarks indicated and delete the light at Bidwell Creek unless hydrography indicates otherwise.

Approved and forwarded
8/15/75


Robert S. Tibbetts
Chief, Photo Party 62


Lt. j.g. Robin D. Wells
NOAA

REVIEW REPORT
SHORELINE

TP-00130

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: Heislerville, New Jersey, dated 1957; Rio Grande, New Jersey, dated 1956, Stone Harbor, New Jersey, dated 1955; and Woodbine, New Jersey, dated 1958. All four are 1:24,000 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of hydrographic survey H-9533, scale 1:20,000, dated May to October 1975.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. Chart 12304, 28th edition, scale 1:80,000, dated April 17, 1982.

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.
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-00130

Bidwell Creek

Cape May

Cooks Beach

Crow Creek

Delaware Bay

Dennis Creek

Dias Creek

Goshen

Goshen Creek

Kimbles Beach (locale)

Miller Pond

Pierces Point (locale)

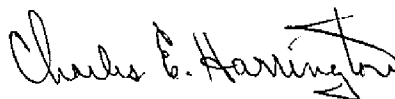
Reeds Beach (locale)

Skeeter Island

Skeeter Island Creek

Tick Neck

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

Replaces C&GS Form 567.

NONFADING AIDS OF LANDMARKS FOR CHARTS

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

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)

<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED	REPORTING UNIT <i>(If field Party, Ship or Office)</i> Coastal Mapping Unit AMC, Norfolk VA	STATE New Jersey	LOCALITY Delaware Bay	DATE 9-17-75
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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	TO-00130	N.A. 1927
			POSITION

CHARTING NAME	DESCRIPTION <i>(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)</i>	LATITUDE		LONGITUDE	
		° /	//	° /	//
		° /	D.M. Meters	° /	D.P. Meters

TOWER	Wooden Tower With Horizontal Members On Upper Half. Ht.=28 (30)	3112	39 05	01.2 37	74 54 540	22.5
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LOOKOUT	Forest Service Lookout Tower With House.	15.9	43.4
TOWER	Ht.=114 3007	489	1043
		39 06	74 52

TOWER	Wooden Tower With Horizontal Members On Upper Half.	39 07	15.7	74 53	29.1
	Ht.=28 (30)	3010	485		700.3

Triangular Frame Steel Tower With Lattice Work On Upper Third. Ht.=32 (32)	3019	39 09	59.2	74 53	42.2
TOWER					1013

[illegible][illegible]

[illegible][illegible][illegible]

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		R. Wells	<input checked="" 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		R. Wells	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		F. Mauldin	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'			
(Consult Photogrammetric Instructions No. 64.)			
OFFICE		FIELD (Cont'd)	
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		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		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-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	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		**PHOTOGRAMMETRIC FIELD POSITIONS are dependant entirely, or in part, upon control established by photogrammetric methods.	

