

TP-00857

TP-00857

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
This map will not be field checked	
Map No. TP-00857	Edition No. I
Job No. CM-7405	
Map Classification III	
Type of Survey Shoreline	
<h3 style="text-align: center;">LOCALITY</h3>	
State New York	
General Locality Hudson River	
Locality Catskill	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1975 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
DATE	

MAP NOT INSPECTED BY
QUALITY CONTROL OF PHOTOGRAMMETRY BRANCH
PRIOR TO REGISTRATION

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00857 MAP EDITION NO. (I) MAP CLASS III JOB YPR -CM-7405	
DESCRIPTIVE REPORT - DATA RECORD				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__	
PHOTOGRAMMETRIC OFFICE Rockville, Md.				OFFICER-IN-CHARGE Lawrence W. Fritz			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation Sept. 4, 1975 Compilation May 19, 1982				Field April 2, 1975 Supplement I April 15, 1975			
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) Hudson River Datum			
3. MAP PROJECTION Transverse Mercator				4. GRID(S)			
				STATE New York		ZONE East	
5. SCALE 1:20,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				D. O. Norman		12/4/75	
METHOD: Analytic LANDMARKS AND AIDS BY				J. Perrow		12/4/75	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				H. Jones		7/1/77	
METHOD: Coradomat CHECKED BY				J. Taylor		7/7/82	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				J. Taylor		7/7/82	
COMPILATION CHECKED BY				P. Dempsey		7/7/82	
INSTRUMENT: B-8				CONTOURS BY		N/A	
SCALE: 1:20,000				CHECKED BY		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Taylor		8/5/82	
CHECKED BY				P. Dempsey		8-82	
METHOD: XSmooth Drafted				CONTOURS BY		N/A	
CHECKED BY				N/A			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				N/A			
CHECKED BY				N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				P. Dempsey		10-82	
6. APPLICATION OF FIELD EDIT DATA BY				N/A			
CHECKED BY				N/A			
7. COMPILATION SECTION REVIEW BY				P. Dempsey		2/83	
8. FINAL REVIEW BY				E. D. Allen		7/84	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				E. DAUGHERTY		Nov 1984	

TP-00857

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "C" Focal length 88.47mm "E" Focal length 152.71mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN	
75C(C)5804 thru 5808		5/7/75	1004	1:60,000	-0.3 MHW (Catskill) -1.3 MHW (Catskill) -0.9 MHW (Tivoli)
75E(C)9040 thru 9041		4/23/75	0940	1:20,000	
75E(C)8897 thru 8903		4/22/75	0949	1:20,000	
75E(C)9042 thru 9046		4/23/75	0940	1:20,000	
REMARKS					

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW line was office interpreted from the 1:20,000 photographs listed in item 1 above.

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

N/A

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-00856	N/A	TP-00858	N/A
REMARKS			

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Robert S Tibbetts	4/75
2. HORIZONTAL CONTROL	RECOVERED BY L. H. Davis ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY Lawrence H Davis	" 4/75
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	" "
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N.A. LOCATED (Field Methods) BY IDENTIFIED BY	" "
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2 Pre-marks

2. VERTICAL CONTROL IDENTIFIED

none

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Green 1934 Catskill Point 1934		

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 ☒ 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)

2 - Forms 76-53, with quad. cutouts attached.

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore detail	8/5/82			
Final Reviewed Map		Class III manuscript	OCT 15 1984	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3 PDS		OCT 15 1984	76-40 LANDMARKS & AIDS TO NAVIGATION

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

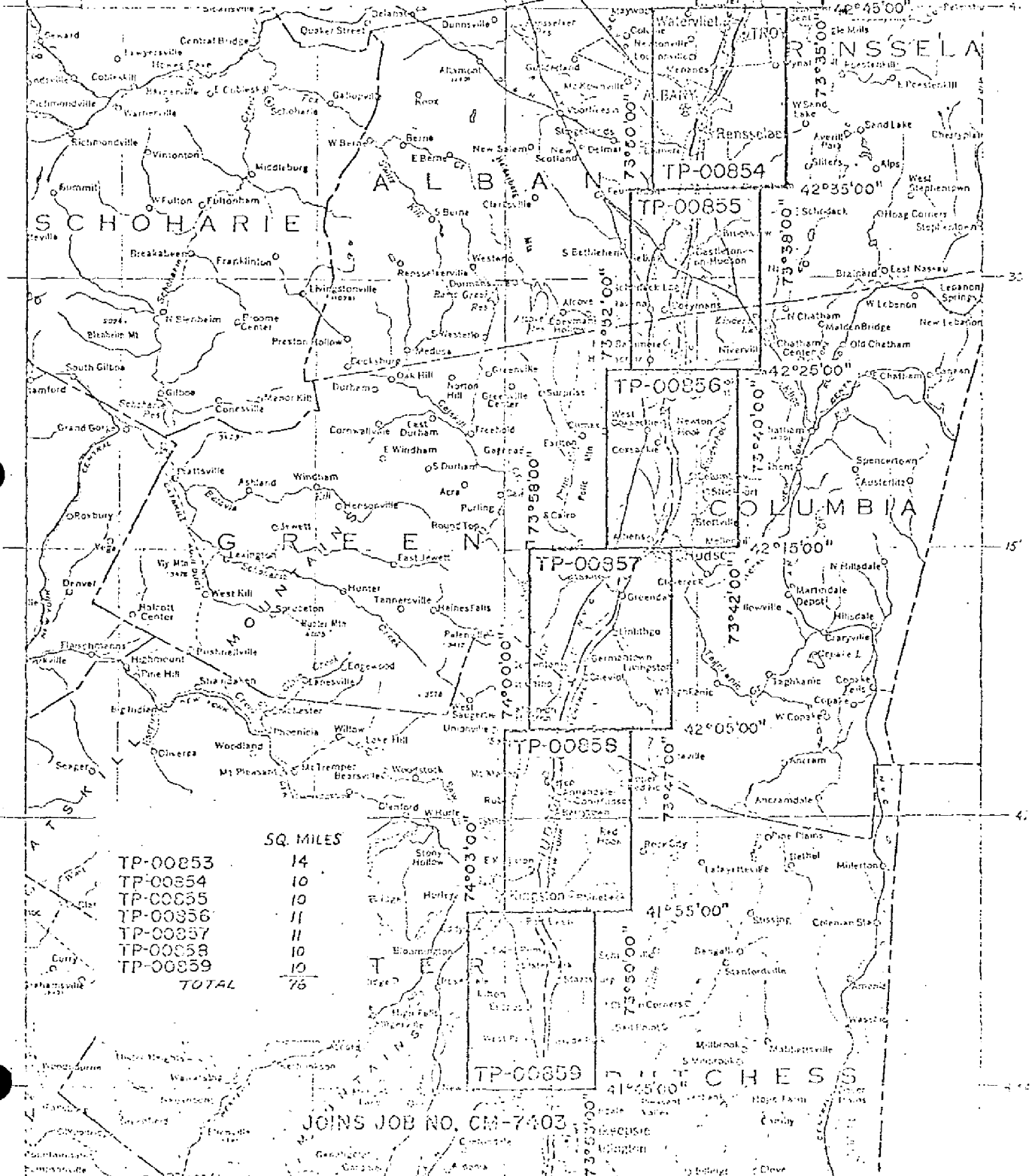
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

JOB CM-7405
POUGHKEEPSIE TO TROY
NEW YORK
CHART TOPOGRAPHY
SCALE 1:20,000



JOINS JOB NO. CM-7403

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00857

This 1:20,000-scale shoreline map is one of seven maps in project CM-7405 which covers the shoreline of the Hudson River from Poughkeepsie to Troy, New York.

Field operations consisted of aerial photography and recovery, establishment, and premarking of horizontal control necessary for aerotriangulation.

Natural color photography was taken in 1975 at scales of 1:60,000 and 1:20,000. Basic aerotriangulation and compilation photographs (1:60,000 scale) were taken with the Wild RC-10(C) camera. Supplemental color photographs (1:20,000 scale) were taken with the Wild RC-8(E) camera for use in shoreline delineation.

Two strips of 1:60,000-scale photographs were bridged using analytic aerotriangulation methods. Sufficient tie points were selected between the bridged and 1:20,000-scale photographs for compilation by either instrument or graphic methods. The aerotriangulation control proved adequate and met the National Standards of Map Accuracy.

Tidal stages concurrent with photographs (1:20,000 scale) were furnished by the Corps of Engineers. This data is based on the Hudson River Datum and was used in determining the tidal stage at the Albany gage site.

Compilation was performed by Coastal Mapping Unit, Rockville, Maryland. The map delineation was based on office interpretation of 1:60,000-scale natural color photographs. Graphic compilation methods using the supplemental photographs (1:20,000 scale) was employed to compile the high water line and to complement the interpretation of other detail. When features were too small or too numerous to show at scale, no attempt was made to show all. Instead, a representative pattern of the symbol or area outline was shown, augmented by an explanatory note.

Final review was performed by Coastal Mapping Unit (Rockville, Maryland). This map was found to be satisfactory and meets requirements of the National Standards of Map Accuracy.

FIELD INSPECTION

TP-00857

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
Hudson River
Poughkeepsie to Troy
New York
CM-7405
December 4, 1975

21. Area Covered: This report pertains to the Hudson River between Poughkeepsie and Troy, New York. The sheets are TP-00853 through TP-00859. All are 1:20,000 scale.

22. Method: Two strips of color photography at 1:60,000 scale were bridged by analytic aerotriangulation methods and adjusted to ground in the New York East zone state plane coordinated system. Points were established for determining ratios of 1:20,000 scale support photography. Points for setting models were plotted on the Coradomat.

23. Adequacy of Control: The control was adequate.

24. Supplemental Data: U.S.G.S. topographic quadrangles were used to determine elevation for strip adjustment.

25. Photography: The photography was adequate.

Submitted by

Don O. Norman

Don O. Norman

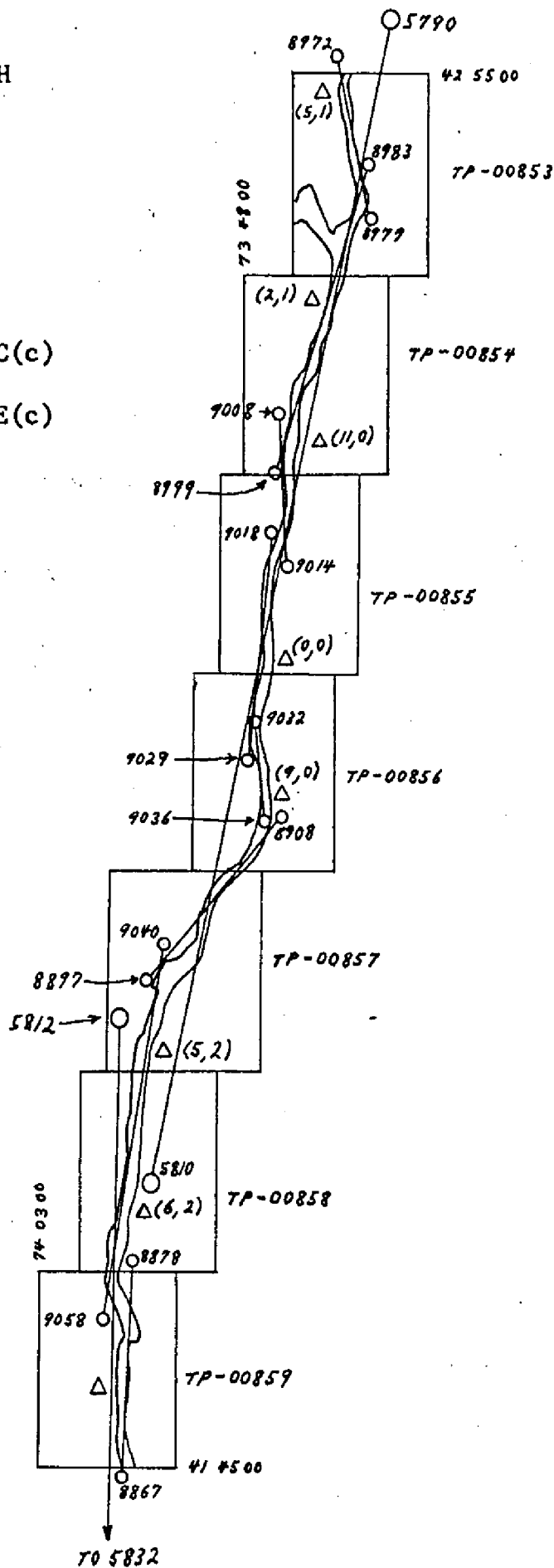
Approved by,

John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

AEROTRIANGULATION SKETCH
HUDSON RIVER
POUGHKEEPSIE TO TROY
NEW YORK
JOB CM-7405
DECEMBER, 1975

Obtaining photography
1:60000 scale 75C(c)
Aerial photography
1:20000 scale 75E(c)



NOAA FORM 76-41
(8-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODEIC DATUM		ORIGINATING ACTIVITY	
TP-00857		CM-7405		N. A. 1927		Compilation	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>New York</u> ZONE <u>East</u>		GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS	
Malden Methodist Epis. Church Spire, 1934	G.P. Vol.1 Pg. 368	5	$x =$	$\phi 42^{\circ} 05' 43.002''$			
			$y =$	$\lambda 73^{\circ} 56' 06.132''$			
Standard Ice Co. Ruins Stack, 1934	"		$x =$	$\phi 42^{\circ} 05' 25.742''$			
			$y =$	$\lambda 73^{\circ} 56' 05.077''$			
Green Flats Light, 1934	"	61	$x =$	$\phi 42^{\circ} 05' 22.270''$			
			$y =$	$\lambda 73^{\circ} 55' 40.807''$			
Green, 1934	G.P. Vol.1 Pg. 240	812100	$x =$	$\phi 42^{\circ} 06' 15.658''$			
			$y =$	$\lambda 73^{\circ} 54' 58.534''$			
Malden Staple Brick Co. Stack, 1934	G.P. Vol.1 Pg. 368	812111	$x =$	$\phi 42^{\circ} 06' 10.770''$			
			$y =$	$\lambda 73^{\circ} 55' 58.274''$			
Cementon Alpha Cement Co. Stack, 1934	G.P. Vol.1 Pg. 369	812110	$x =$	$\phi 42^{\circ} 08' 28.50''$			Not visible on photograph
			$y =$	$\lambda 73^{\circ} 54' 44.13''$			
Upper Coal Beds Light, 1934	"	60	$x =$	$\phi 42^{\circ} 08' 44.01''$			
			$y =$	$\lambda 73^{\circ} 54'; 04.66''$			
Green Point Light, 1934	G.P. Vol.1 Pg. 370	59	$x =$	$\phi 42^{\circ} 10' 13.345''$			
			$y =$	$\lambda 73^{\circ} 53' 01.284''$			
Livingston Creek Light, 1934	G.P. Vol.1 Pg. 379	57	$x =$	$\phi 42^{\circ} 10' 52.289''$			
			$y =$	$\lambda 73^{\circ} 51' 53.671''$			
Catskill Point, 1934	G.P. Vol.1 Pg. 371	805100	$x =$	$\phi 42^{\circ} 12' 31.739''$			
			$y =$	$\lambda 73^{\circ} 51' 13.118''$			
COMPUTED BY		DATE	COMPUTATION CHECKED BY			DATE	
LISTED BY J. Taylor		DATE 8/82	LISTING CHECKED BY P. Dempsey			DATE 10/82	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE	

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

Compilation Report
TP-00857

August 1982

31. Delineation

Delineation was by both graphic and stereoscopic instrument methods. The planimetry and the mean high water line was compiled from 1:60,000-scale natural color photographs using the B-8 stereoplotter. Ratio photographs at 1:20,000 were used as an aid in interpreting the high water line and identifying the aids and landmarks. There were no mean high water or mean low water infrared photographs.

32. Control

Refer to Photogrammetric Plot Report, dated December 4, 1975. Vertical control was taken from USGS Quadrangles.

33. Supplemental Data - None

34. Contours and Drainage

Contours not applicable. Drainage was delineated using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Detail

The shoreline was classified and alongshore detail identified by office interpretation of the compilation photographs. Some small piers were omitted due to their size on the scale of the manuscript.

There was no field inspection prior to compilation.

36. Offshore Detail

Wrecks and piles were searched for during compilation, but none were found.

37. Landmarks and Aids

There are currently 11 charted fixed aids to navigation shown on this chart. Seven of these are triangulation stations and the four remaining aids were located during compilation using both the 1:60,000-and 1:20,000-scale photographs.

There are currently nine landmarks shown on this chart. Seven of these are triangulation stations, and two were located during compilation.

Four possible landmark features were located during compilation and are listed in this report.

38. Control for Future Surveys

None.

39. Junctions

A junction was made with TP-00856 to the north and TP-00858 to the south. There are no contemporary surveys at the present time to the west and the east.

40. thru 45.

N/A.

46. Comparison with Existing Maps

Cementon, New York, 1:24,000, 1963, 10 ft. contours

Hudson South, New York, 1:24,000, 1963, 10 ft. contours

Clermont, New York, 1:24,000, 1963, 10 ft. contours

Hudson North, New York, 1:24,000, 1953, 10 ft. contours.

47. Comparison with Nautical Charts

Chart 12347, 23rd Edition, 3/81, 1:⁴⁰~~20~~,000.

Respectfully submitted,

James H. Taylor
James H. Taylor

Approved and forwarded:

Patrick J. Dempsey

Chief, Coastal Mapping Section

REVIEW REPORT TP-00857
SHORELINE

AUGUST 1984

61. GENERAL STATEMENT

Shoreline and alongshore detail were compiled from office interpretation of the 1:60,000-scale natural color photographs using the Wild B-8 stereoplotter. The 1:20,000-scale photographs were graphically used as an aid and to complement the 1:60,000-scale photographs in interpreting the MHW line. Tidal data concurrent with the 1:20,000-scale photographs, based on the Hudson River Datum, was furnished by the Corps of Engineers. Refer to Summary bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to Compilation Report, paragraph 46, bound with this Descriptive Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

Refer to Compilation Report, paragraph 47, bound with this Descriptive Report.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the project instructions and meets National Map Accuracy Standards.

67. PHOTOGRAPHS

Natural color photographs were taken in 1975 at scales of 1:60,000 and 1:20,000. Basic aerotriangulation and compilation photographs (1:60,000 scale) were taken with the Wild RC-10(C) camera, supplemental photographs (1:20,000 scale) with the Wild RC-8(E) camera.

Submitted by:


Edward D. Allen
Cartographer

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

JUL 23 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7405 (Hudson River, New York)

TP-00857

Alsen
Brandow Point
Burden Dock
Burgett Creek
Catskill
Catskill Creek
Cementon
Cheviot
Conrail (RR)
Dewitt Point
Duck Cove
Eavesport
Eves Point
Germantown
Greendale
Greene Point

Hallenbeck Creek
Hamburg
Hudson River
Inbocht Bay
Linlithgo
Malden-on-Hudson
Mineral Spring Brook
North Germantown
Oak Hill Landing
Ramshorn Creek
Roeliff Jansen Kill
Rogers Island
Silver Point
Smith Landing
Wanton Island
West Camp

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

DISSEMINATION OF PROJECT MATERIAL

CM-7405

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

Job Completion Report

Brown Jacket:

Aerotriangulation Photographs

Photogrammetric Plot Report Copy

Computer Listings

Tide Data

Field Control Report

NOAA Form 76-53 (Control Identification Cards)

NOAA Form 76-40

BUREAU ARCHIVES

Registered Map

Descriptive Report

REPRODUCTION DIVISION

8x Reduction Negative of the Map

OFFICE OF STAFF GEOGRAPHER

Geographic Names Standards

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			
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		DATE		DATE		DATE		DATE	
Rockville, Md.		New York		Hudson River		8/2/82		8/2/82		8/2/82		8/2/82		8/2/82	
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/>		SURVEY NUMBER		JOB NUMBER		JOB NUMBER		JOB NUMBER		JOB NUMBER		JOB NUMBER	
CM-7405		TP-00857		TP-00857		TP-00857		TP-00857		TP-00857		TP-00857		TP-00857	
OPR PROJECT NO.		DESCRIPTION		LATITUDE		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED		CHARTS AFFECTED		CHARTS AFFECTED	
Light 44		Green Flats Light, 1934		42° 05'		73° 55'		Triangulation		12347		12347		12347	
Light 49				42° 07'		73° 55'		75(CC)5807 5-7-75		"		"		"	
Light 1		Upper Coal Beds Light 1 (Upper Coal Beds Light, 1934)		42° 08'		73° 54'		Triangulation		"		"		"	
Light		Silver Point Range Front Light		42° 08'		73° 54'		75(CC)5807 5-7-75		"		"		"	
Light 59		Green Point Light, 1934		42° 10'		73° 53'		Triangulation		"		"		"	
Light 62		Livingston Creek Light, 1934		42° 10'		73° 51'		Triangulation		"		"		"	
Light 66				42° 11'		73° 51'		75-CC-5806 5-7-75		"		"		"	
Light 69		Catskill West Flats Light, 1934		42° 12'		73° 51'		Triangulation		"		"		"	
Light 71		Hamburg Light, 1934		42° 13'		73° 51'		Triangulation		"		"		"	

RESPONSIBLE PERSONNEL		ORIGINATOR	
NAME		<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
OBJECTS INSPECTED FROM SEAWARD			
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		OFFICE ACTIVITY REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION (Consult Photogrammetric Instructions No. 64)			
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the 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 1. 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	11. 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. 8-12-75 111. 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"/> 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 I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified P - Photogrammetric Vis - Visually 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 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	
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	
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.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 367.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED				REPORTING UNIT (If field party, ship or office)		STATE		LOCALITY		DATE	
				Rockville, Md.		New York		Hudson River		8/2/82	
The following objects HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/> been inspected from seaward to determine their value as landmarks.				JOB NUMBER		SURVEY NUMBER		DATUM			
OPR PROJECT NO.				CM-7405		TP-00857		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				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED			
		LATITUDE ° / ' "	LONGITUDE ° / ' "	OFFICE	FIELD						
Stack	Standard Ice Co. Ruins, Stack, 1934	42° 05'	73° 56'	05.07	Triangulation		12347				
Stack	Malden Staple Brick Co., Stack, 1934	42° 06'	73° 55'	58.27	Triangulation		"				
Silo		42° 06'	73° 55'	33.80	75(CC)5807 5-7-75		"				
Silo		42° 08'	73° 55'	43.96	75(CC)5807 5-7-75		"				
Stack	Cementon Alpha Cement Co., Stack, 1934	42° 08'	73° 54'	44.13	Triangulation		"				
Stack	Catskill Atlantic Knitting Co. Stack, 1934	42° 12'	73° 51'	58.96	Triangulation		"				
Cross	Catskill St. Anthony Academy Cross, 1934	42° 12'	73° 51'	33.55	Triangulation		"				
Flagstaff	Catskill State Armory Flagpole, 1934	42° 14'	73° 48'	58.81	Triangulation		"				
Tower	Tower No. 82 (U.S.E., 1923), 1934	42° 14'	73° 48'	51.80	Triangulation		"				

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 367.

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

NON-DELETING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

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

(See reverse for responsible personnel)

RESPONSIBLE PERSONNEL		ORIGINATOR	
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	
		OFFICE ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW 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 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the 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-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 **PHOTOGAMMETRIC 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.

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	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
					STATE	ZONE	NEW YORK East	ϕ LATITUDE λ LONGITUDE	
TP-00857	CM-7405								
		Catskill Atlantic Knitting Co. Stack, 1934			$x = 42^{\circ} 12' 46.505''$	$y =$	$\phi 42^{\circ} 12' 46.505''$	$\lambda 73^{\circ} 51' 58.960''$	
		Catskill State Armory Flagpole, 1934			$x =$	$y =$	$\phi 42^{\circ} 13' 00.42''$	$\lambda 73^{\circ} 51' 58.819''$	Not visible on photograph
		Catskill St. Anthony Academy Cross, 1934			$x =$	$y =$	$\phi 42^{\circ} 12' 54.00''$	$\lambda 73^{\circ} 51' 33.55''$	not visible on photograph
		Catskill West Flats Light, 1934			$x =$	$y =$	$\phi 42^{\circ} 12' 52.559''$	$\lambda 73^{\circ} 51' 18.285''$	
		Hamburg Light, 1934			$x =$	$y =$	$\phi 42^{\circ} 13' 43.93''$	$\lambda 73^{\circ} 51' 09.52''$	
		Percy Reach Light, 1934			$x =$	$y =$	$\phi 42^{\circ} 14' 43.494''$	$\lambda 73^{\circ} 49' 47.417''$	
		Tower No. 82(USE, 1923), 1934			$x =$	$y =$	$\phi 42^{\circ} 14' 51.167''$	$\lambda 73^{\circ} 48' 51.805''$	
					$x =$	$y =$	ϕ	λ	
					$x =$	$y =$	ϕ	λ	
					$x =$	$y =$	ϕ	λ	
					$x =$	$y =$	ϕ	λ	
COMPUTED BY				DATE	COMPUTATION CHECKED BY				DATE
LISTED BY	J. Taylor			DATE 8/82	LISTING CHECKED BY P. Dempsey				DATE 10/82
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY				DATE

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

