

TP-00859

TP-00859

NOAA FORM 76-35 (9-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
This map will not be field checked	
Map No. TP-00859	Edition No. I
Job No. CM-7405	
Map Classification III	
Type of Survey Shoreline	
LOCALITY	
State New York	
General Locality Hudson River	
Locality Hyde Park	
1975 TO 19	
REGISTRY IN ARCHIVES	
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.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE  Rockville, Md.		SURVEY TP. <u>00859</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-7405</u>	
OFFICER-IN-CHARGE  Lawrence W. Fritz		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__			
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
Aerotriangulation 9/4/75 Compilation 5/19/82		Field 4/2/75 Field 4/15/75	
<b>II. DATUMS</b>			
<b>1. HORIZONTAL:</b> <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
<b>2. VERTICAL:</b> <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	
<b>3. MAP PROJECTION</b>  Transverse Mercator		<b>4. GRID(S)</b> STATE New York ZONE East	
<b>5. SCALE</b> 1:20,000		STATE ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>
<b>1. AEROTRIANGULATION</b> METHOD: Analytic		BY D. Norman	12/4/75
LANDMARKS AND AIDS BY		N/A	
<b>2. CONTROL AND BRIDGE POINTS</b> METHOD: Coradomat		PLOTTED BY S. Solbeck	3/15/82
CHECKED BY J. Taylor		6/8/82	
<b>3. STEREOSCOPIC INSTRUMENT</b> COMPILATION		J. Taylor	6/8/82
INSTRUMENT: Wild B-8		P. Dempsey	6/8/82
SCALE: 1:20,000		N/A	
<b>4. MANUSCRIPT DELINEATION</b>		J. Taylor	6/30/82
PLANIMETRY BY		P. Dempsey	9/15/82
CHECKED BY		N/A	
METHOD: Smooth-Drafted		N/A	
CHECKED BY		N/A	
SCALE: 1:20,000		N/A	
HYDRO SUPPORT DATA BY		N/A	
CHECKED BY		N/A	
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b>		BY N/A	
<b>6. APPLICATION OF FIELD EDIT DATA</b>		BY N/A	
CHECKED BY		N/A	
<b>7. COMPILATION SECTION REVIEW</b>		BY P. Dempsey	9/15/82
<b>8. FINAL REVIEW</b>		BY E. D. Allen	7/84
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b>		BY	
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b>		BY	
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b>		BY E. DAUGHERTY	NOV 1984

TP-00859

2

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 152.71mmTYPES OF PHOTOGRAPHY  
LEGEND

## TIME REFERENCE

## TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES  
☐ REFERENCE STATION RECORDS  
☐ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR  
(P) PANCHROMATIC  
(I) INFRARED

## ZONE

Eastern

☒ STANDARD

## MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
75C(C)5816 thru 5820	5/8/75	0740	1:60,000	
75E(C)8867 thru 8878	4/22/75	0818	1:20,000	-1.8 MHW (Hyde Park)
75E(C)9057 thru 9058	4/23/75	0840	1:20,000	-1.2 MHW (kingston Point)

## REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW line was 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-00858	N/A	CM-7403	N/A

## REMARKS

TP-00859

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	4/75
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None " "
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N.A. " "
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None " "
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 None		2. VERTICAL CONTROL IDENTIFIED N.A.	
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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) None			

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 along-shore detail	6/82	Class III manuscript		
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
2 PGS		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: \_\_\_\_\_

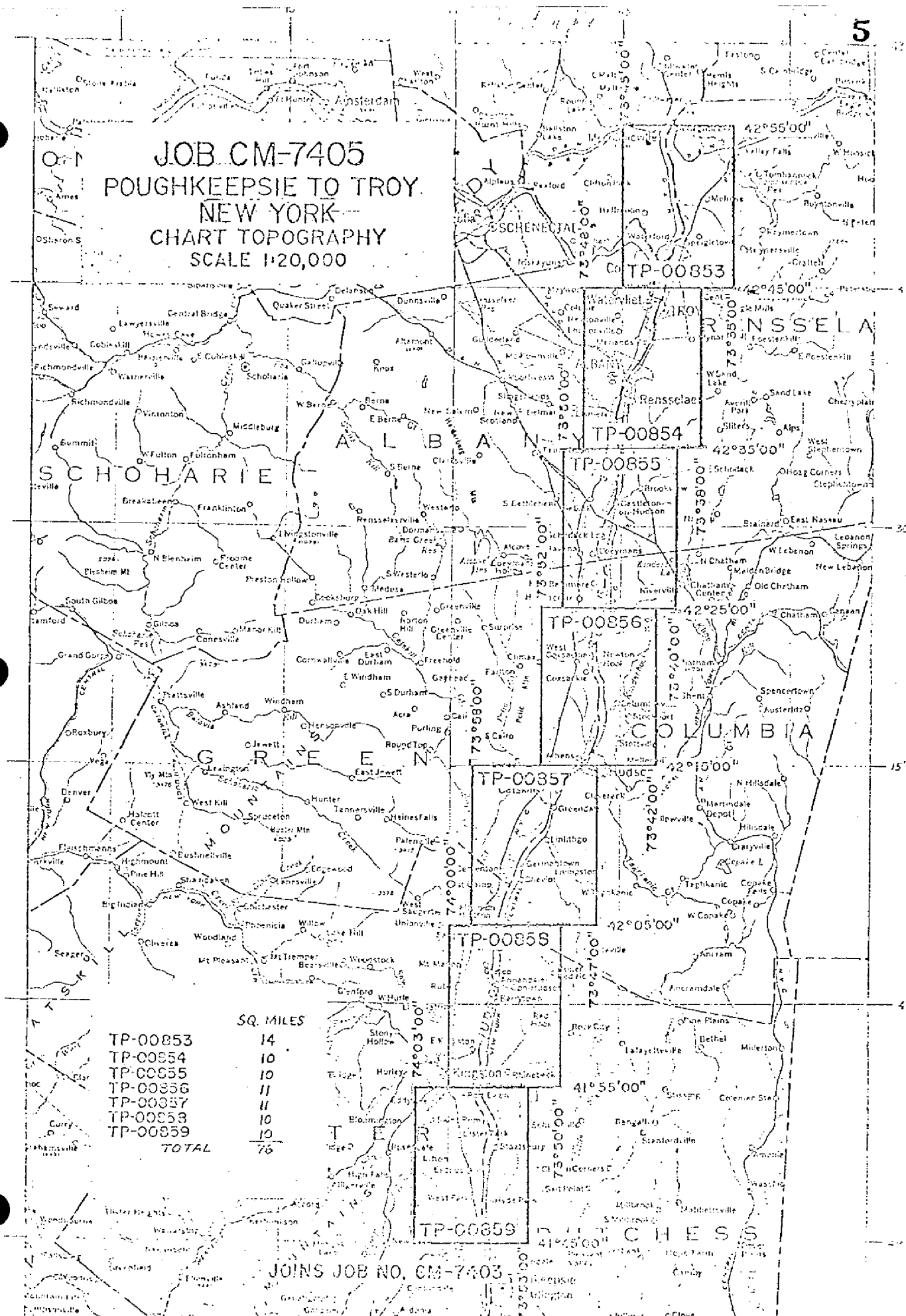
## III. FEDERAL RECORDS CENTER DATA

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  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	

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



	SQ. MILES
TP-00853	14
TP-00854	10
TP-00855	10
TP-00856	11
TP-00857	11
TP-00858	10
TP-00859	10
<b>TOTAL</b>	<b>76</b>

JOINS JOB NO. CM-7403

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
TP-00859

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-00859

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,

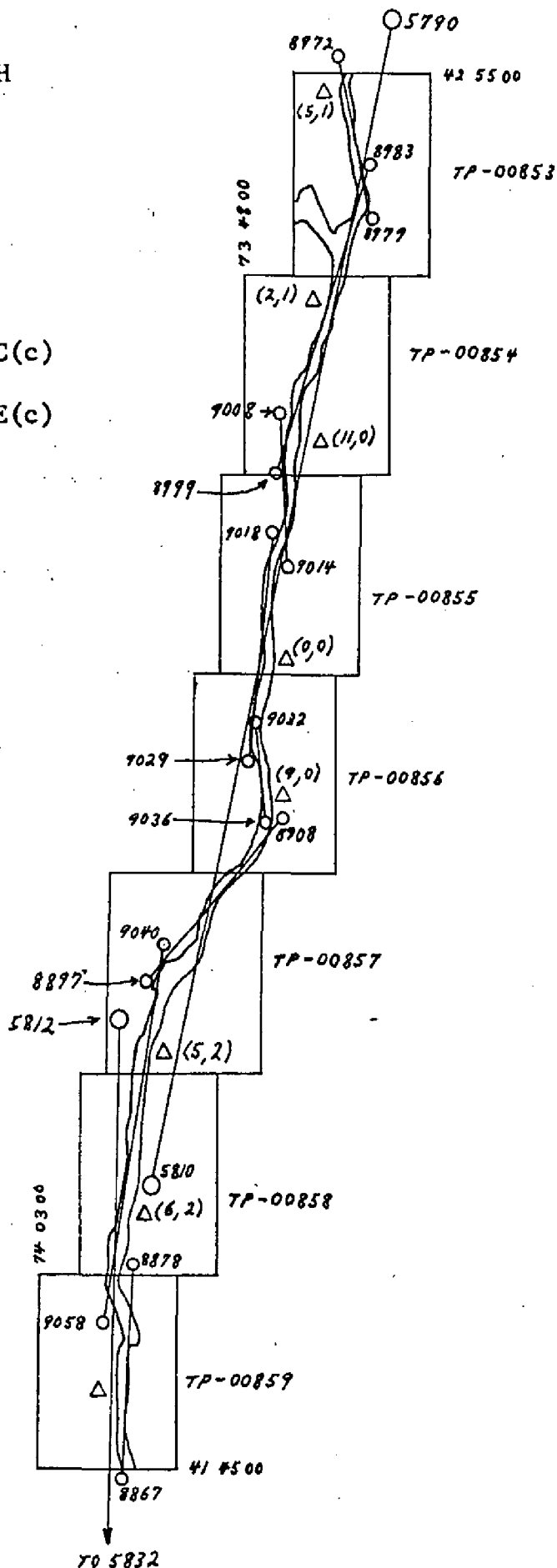
*John D. Perrow, Jr.*

John D. Perrow, Jr.

Chief, Aerotriangulation Section

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

Obridging photography  
1:60000 scale 75C(c)  
oratio photography  
1:20000 scale 75E(c)



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS
					TP-00859	CM-7405	COORDINATES IN FEET STATE New York ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	
Ulster County Tuberculosis Hospital, Tank, 1933	G.P. Vol 1 Pg 363	817111			x=	φ 41° 54' 58.788"			
					y=	λ 74° 01' 12.006"			
Jones Tower (Steeple Brown Bldg.), 1857	G.P. Vol 1 Pg 363	67			x=	φ 41° 53' 12.310"			
					y=	λ 73° 56' 11.241"			
Esopus Meadows Lighthouse 1905	G.P. Vol 1 Pg 284	818110			x=	φ 41° 52' 05.890"			
					y=	λ 73° 56' 31.317"			
Esopus Mt. St Adolphus Monastery North Cross, 1933	G.P. Vol 1 Pg 363	68			x=	φ 41° 50' 20.112"			
					y=	λ 73° 57' 36.505"			
Esopus Mt. St Adolphus Monastery South Cross 1933	"	69			x=	φ 41° 50' 19.967"			
					y=	λ 73° 57' 36.215"			
Esopus Island Lighthouse 1905	"	3			x=	φ 41° 49' 22.477"			
					y=	λ 73° 56' 54.825"			
Protestant Episcopal Mission Flagpole (Gold Ball) 1933	Pg 362	70			x=	φ 41° 48' 38.28"			
					y=	λ 73° 57' 26.60"			
West Park Holy Cross Monastery Cupola (Green Roof) 1933	"	819100			x=	φ 41° 48' 09.795"			
					y=	λ 73° 57' 26.462"			
Greer Point Lighthouse. 1933	G.P. Vol 1 Pg 282	819110			x=	φ 41° 46' 22.594"			
					y=	λ 73° 56' 55.642"			
COMPUTED BY		DATE	COMPUTATION CHECKED BY		x=	φ			DATE
					y=	λ			
LISTED BY J. Taylor		DATE 6/82							DATE 9/82
HAND PLOTTING BY		DATE							DATE

## COMPILATION REPORT

TP-00859

June 1982

31. Delineation

Delineation was by both graphic and stereoscopic instrument methods. All detail including the mean high water line was compiled from the natural color photographs using the B-8 stereoplotter. Ratio photographs at 1:20,000-scale were used as an aid in interpreting the high water line. 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 quads to level models on B-8 stereoplotter.

33. Supplemental Data - None34. Contours and Drainage

Contours not applicable. Drainage was done by office interpretation of the photographs.

35. Shoreline and Alongshore Detail

The shoreline was delineated and alongshore detail identified by office interpretation of the color aerial photographs. Numerous small piers were omitted due to their size and map scale.

There was no field inspection prior to compilation.

36. Offshore Detail

Numerous rocks were identified on the B-8 stereoplotter and were graphically plotted using the 1:20,000-ratio photographs as an aid in interpretation.

37. Landmarks and Aids

There are four currently charted fixed aids shown on this map. Three of these are triangulation stations and one was positioned during compilation on the B-8 plotter.

There are nine currently charted landmarks shown on this map. Three of these are triangulation stations and one was positioned during compilation on the B-8 plotter.

38. Control for Future Surveys - None

39. Junctions

A junction was made with TP-00858 to the north, and TP-00860 to the south. No contemporary surveys to the east and west.

40 thru 45. Not Applicable

46. Comparison with Existing Maps

Hyde Park, New York, Scale 1:24,000, 1963

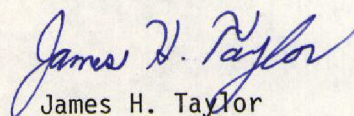
Kingston East, New York, Scale 1:24,000, 1963, photorevised 1980

Kingston West, New York, Scale 1:24,000, 1965

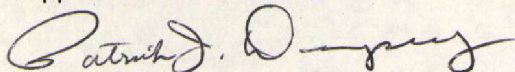
47. Comparison with Nautical Charts

Chart 12347, 23rd Edition, Scale 1:<sup>40</sup>~~80~~,000, March 1981

Submitted by,

  
James H. Taylor

Approved and Forwarded:



Chief, Coastal Mapping Section

## REVIEW REPORT

Shoreline - TP-00859

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 used graphically as an aid and to compliment 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 the Descriptive Report.

62. COMPARISONS 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.

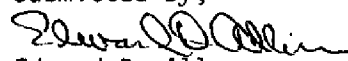
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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 photograph (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

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

JUL 23 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

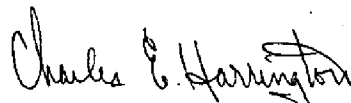
CM-7405 (Hudson River, New York )

TP-00859

Bard Rock  
Big Rock Point  
Black Creek  
Bolles Island  
Cave Point  
Connelly  
Conrail (RR)  
Crum Elbow  
Crum Elbow Creek  
Crum Elbow Point  
Dinsmore Point  
Eddyville  
Esopus  
Esopus Island  
Esopus Lake  
Esopus Meadows Point  
Fallsburg Creek  
Gumaer Island  
Hemlock Point

Hudson River  
Hyde Park (locality)  
Indian Kill  
Indian Rock  
Jones Island  
Landsman Kill  
Maritje Kill  
Mirror Lake  
New Salem  
Norrie Point  
Port Ewen  
Rogers Point  
Rondour Creek  
Saint Remy  
Sleightsburg  
Staatsburg  
Sturgeon Point  
West Park (locality)  
Wilbur

Approved by:



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 (If field party, ship or office)					STATE		LOCALITY		DATE		<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)													
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"/>		JOB NUMBER CM-7405		SURVEY NUMBER TP-00859		DATUM N. A. 1927													
The following objects HAVE <input type="checkbox"/> HAVE NOT <input checked="" type="checkbox"/> been inspected from seaward to determine their value as landmarks. OPR PROJECT NO.					DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)					METHOD AND DATE OF LOCATION (See instructions on reverse side)														
CHARTING NAME					LATITUDE					LONGITUDE					CHARTS AFFECTED									
					° / ' " D.M. Meters					° / ' " D.M. Meters														
					MIDDLE HUDSON RIVER																			
Light 4										41 46 09.1 73 56 52.0					750(c)5821 5/8/75					12347				
Light 6					Greer Point Lighthouse, 1933					41 46 22.59 73 56 55.64					Triang.					"				
Light 8					Esopus Island Lighthouse, 1905					41 49 22.47 73 56 54.82					Triang.					"				
Light 11					Esopus Meadows Lighthouse, 1905 (Esopus Meadows light 11)					41 52 05.89 73 56 31.31					Triang.					"				

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	OFFICE ACTIVITY REPRESENTATIVE  <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
<b>OFFICE (Cont'd)</b> <b>1. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require</b> 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 22° 07' 41" (C) 2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified IDOL 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 08-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> When a landmark on which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75  <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75  <b>**PHOTOGAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40  
(6-74)

Replaces C&GS Form 567.

# NONFLOATING AIDS OR 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)

REPORTING UNIT  
(Field Party, Ship or Office)

Rockville, Md.

STATE

New York

LOCALITY

Hudson River

DATE

6/82

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

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	DATUM				SURVEY NUMBER	POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		LATITUDE		LONGITUDE			OFFICE	FIELD					
		°	'	°	'								
Stack		41	54	33.2	74	00	04.5	75C(C)5817 5/8/75		12347			
TV Tower		41	54	34.7	73	56	52.4	"		"			
R Tower	North of 3	41	53	12.5	73	58	17.6	"		"			
R Tower	Middle of 3	41	53	09.5	73	58	18.4	"		"			
R Tower	South of 3	41	53	06.8	73	58	19.6	"		"			
Spire	Jones Tower (Steeple, Brown Bldg.), 1857	41	53	12.31	73	56	11.24	Triang.		"			
South Cross	Esopus Mt. St Adolphus Monastery South Cross, 1933	41	50	19.97	73	57	36.21	Triang.		"			
Flagpole	Protestant Episcopal Mission Flagpole (Gold Ball), 1933	41	48	38.28	73	57	26.60	Triang.		"			
Cupola	West Park Holy Cross Monastery Cupols (Green Roof), 1933	41	48	09.79	73	57	26.46	Triang.		"			

TYPE OF ACTION		RESPONSIBLE PERSONNEL		ORIGINATOR	
		NAME			
OBJECTS INSPECTED FROM SEAWARD OR FROM AIR	1. OFFICE IDENTIFIED AND LOCATED OBJECTS	2. FIELD (Cont'd)	3. PHOTOGRAPHIC PARTY	4. PHOTO FIELD PARTY	
POSITIONS DETERMINED (AND/OR VERIFIED) FROM PHOTOGRAPH	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	Enter the number and date (including month, day, and year) of the photograph used to verify the location 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	5. PHOTOGRAPHIC PARTY	6. PHOTOGRAPHIC PARTY	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	7. PHOTOGRAPHIC PARTY	8. PHOTOGRAPHIC PARTY	
ACTIVITIES	1. NEW POSITION DETERMINED OR VERIFIED	2. FIELD (Cont'd)	9. PHOTOGRAPHIC PARTY	10. PHOTOGRAPHIC PARTY	
	Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	1. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: V-Triang (Rec) 201A 8-12-75	11. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	12. PHOTOGRAPHIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

