

TP-00859

TP-00859

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
This map will not be field 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.	
DESCRIPTIVE REPORT - DATA RECORD		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>EXCM-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 <u>PH-</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation <u>9/4/75</u> Compilation <u>5/19/82</u>		Field <u>4/2/75</u> Field <u>4/15/75</u>	
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 <u>New York</u> ZONE <u>East</u>	
5. SCALE <u>1:20,000</u>		STATE <u> </u> ZONE <u> </u>	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>D. Norman</u>	<u>12/4/75</u>
LANDMARKS AND AIDS BY		<u>N/A</u>	
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u>		PLOTTED BY <u>S. Solbeck</u>	<u>3/15/82</u>
CHECKED BY		<u>J. Taylor</u>	<u>6/8/82</u>
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY <u>J. Taylor</u>	<u>6/8/82</u>
INSTRUMENT: <u>Wild B-8</u>		CHECKED BY <u>P. Dempsey</u>	<u>6/8/82</u>
SCALE: <u>1:20,000</u>		CONTOURS BY <u>N/A</u>	
CHECKED BY <u>N/A</u>			
4. MANUSCRIPT DELINEATION		PLANIMETRY BY <u>J. Taylor</u>	<u>6/30/82</u>
CHECKED BY <u>P. Dempsey</u>		<u>9/15/82</u>	
METHOD: <u>Smooth-Drafted</u>		CONTOURS BY <u>N/A</u>	
CHECKED BY <u>N/A</u>			
SCALE: <u>1:20,000</u>		HYDRO SUPPORT DATA BY <u>N/A</u>	
CHECKED BY <u>N/A</u>			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY <u>N/A</u>	
6. APPLICATION OF FIELD EDIT DATA		BY <u>N/A</u>	
CHECKED BY <u>N/A</u>			
7. COMPILATION SECTION REVIEW		BY <u>P. Dempsey</u>	<u>9/15/82</u>
8. FINAL REVIEW		BY <u>E. D. Allen</u>	<u>7/84</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY	
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY <u>E. DAUGHERTY</u>	<u>Nov 1984</u>

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "C" Focal length 88.47mm "E" Focal length 152.71mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75C(C)5816 thru 5820	5/8/75	0740	1:60,000	-1.8 MHW (Hyde Park) -1.2 MHW (kingston Point)	
75E(C)8867 thru 8878	4/22/75	0818	1:20,000		
75E(C)9057 thru 9058	4/23/75	0840	1:20,000		

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			

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00859
HISTORY OF FIELD OPERATIONSI. ☒ 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		2. VERTICAL CONTROL IDENTIFIED	
None		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 76-36C
(3-72)

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

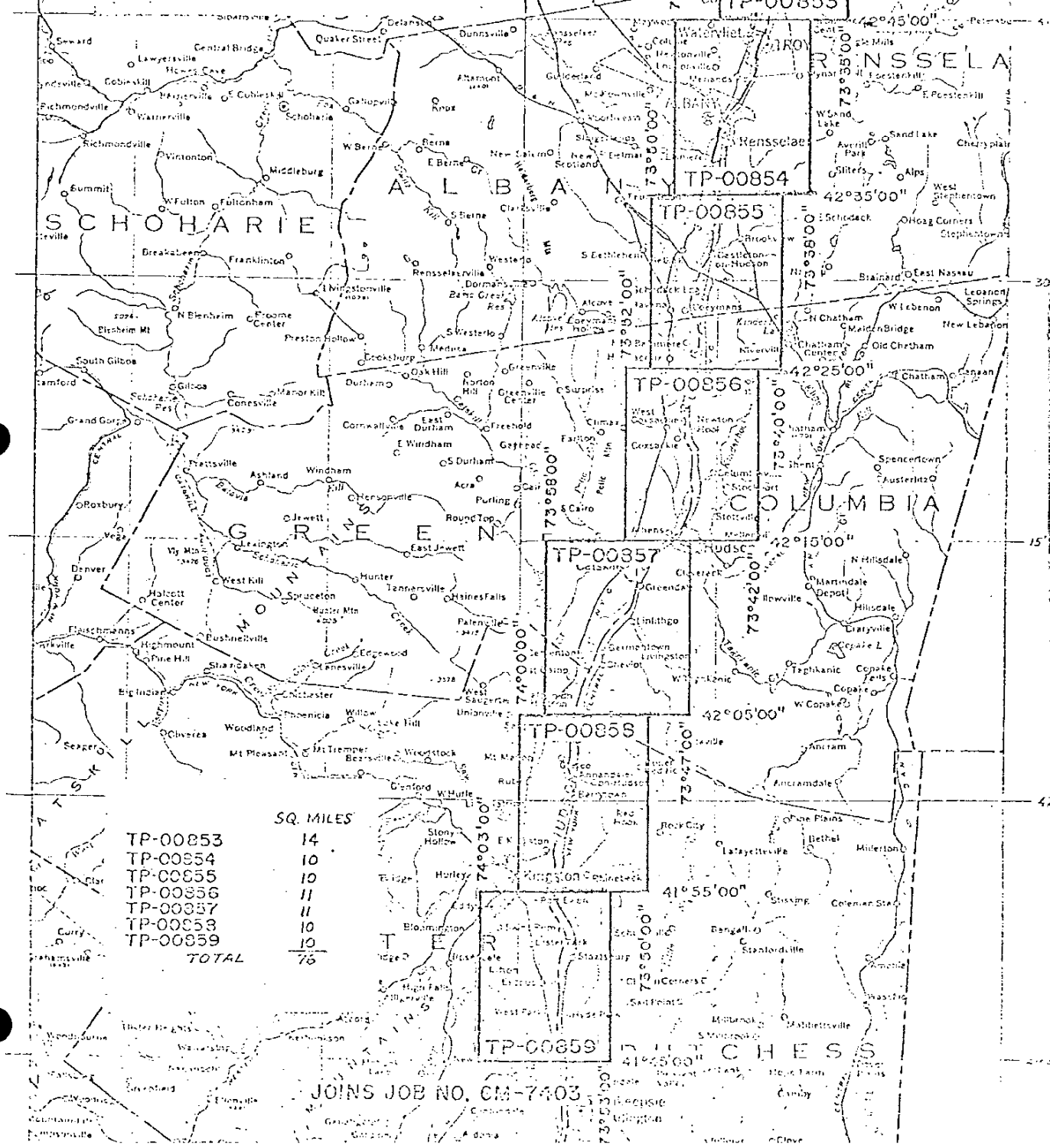
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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
TOTAL	76

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

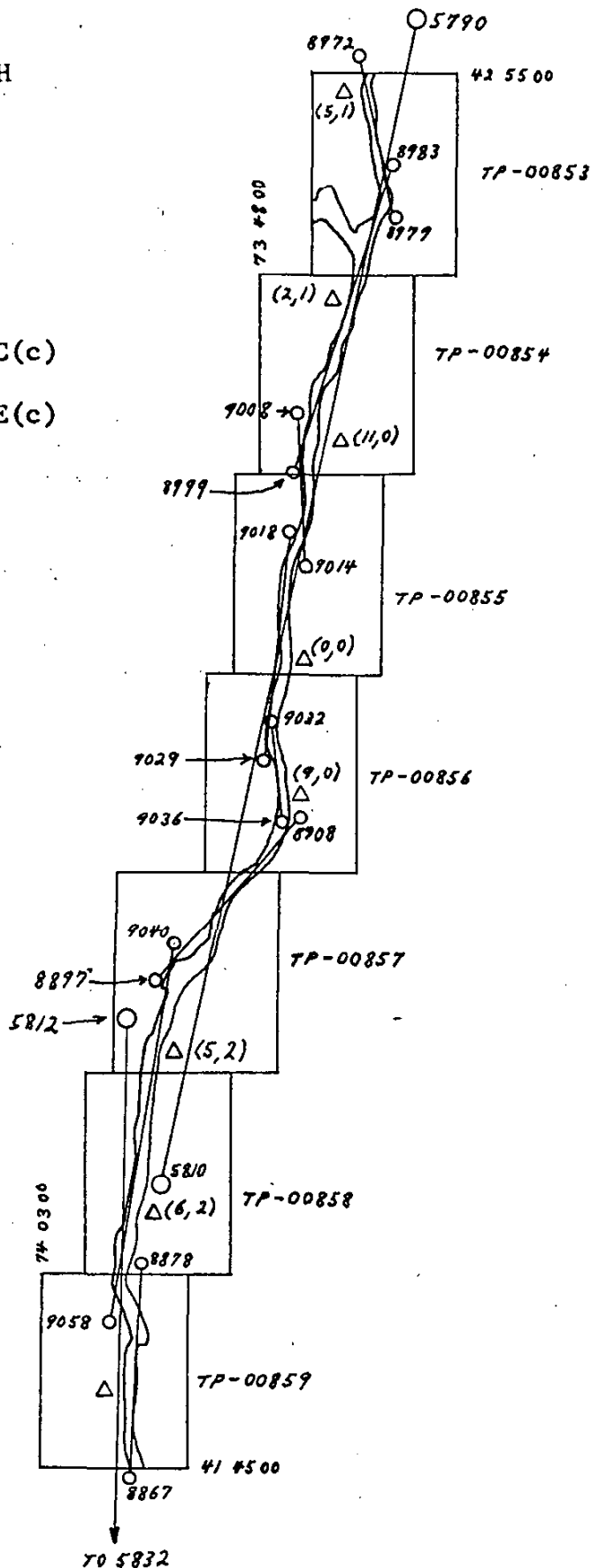
Approved by,

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

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



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			CM-7405	N. A. 1927		STATE	ZONE	NEW YORK	East	
TP-00859	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' 19.967"		
						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"		
						X=		ϕ		
						Y=		λ		
COMPUTED BY					DATE	COMPUTATION CHECKED BY				DATE
LISTED BY	J. Taylor				DATE 6/82	LISTING CHECKED BY		Dempsey		DATE 9/82
HAND PLOTTING BY					DATE	HAND PLOTTING CHECKED BY				DATE

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

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

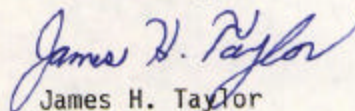
Kingston East, New York, Scale 1:24,000, 1963, photorevised 1980

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

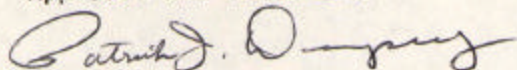
47. Comparison with Nautical Charts

Chart 12347, 23rd Edition, Scale 1:⁴⁰~~20~~,000, March 1981

Submitted by,


James H. Taylor

Approved and Forwarded:



Chief, Coastal Mapping Section

REVEIW 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. COMPARIONS 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.

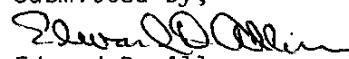
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

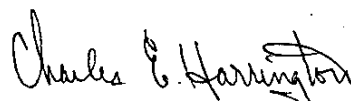
CM-7405 (Hudson River, New York)

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

[illegible]

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	OFFICE ACTIVITY REPRESENTATIVE
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 (Cont'd) 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 22°07'4L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified IDOT 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 00, 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or field 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 76-40 (8-74)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
Replaces C&GS Form 567.				NONFLOATING AIDS OR LANDMARKS FOR CHARTS				<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)			
REPORTING UNIT (If field party, ship or office)		STATE		LOCALITY		DATE					
Rockville, Md.		New York		Hudson River		6/82					
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)			
		CM-7405		TP-00859		N. A. 1927					
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE ° / ' " D.M. Meters		LONGITUDE ° / ' " D.P. Meters		OFFICE		FIELD	
Stack				41 54 33.2		74 00 04.5		750(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.		"	
				41 48							

TYPE OF ACTION		RESPONSIBLE PERSONNEL		ORIGINATOR	
		NAME			
OBJECTS INSPECTED/FROM SEAWARD OR FROM		T 33		<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)		T 48		FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW		T 20		OFFICE ACTIVITY REPRESENTATIVE	
ACTIVITIES		T 23		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP <input type="checkbox"/> REPRESENTATIVE	

INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION*	
OFFICE 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 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.) 201A 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.

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

