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CM-7405	
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State	
New York	
General Locality	
Hudson River	
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Hyde Park	
	
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*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

MAP NOT INSPECTED BY

QUALITY CONTROL OF PHOTOGRAMMETRY BRANCH

PRIOR TO REGISTRATION

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NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCI	TYPE OF SURVEY	survey TP. 00859
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Rockville, Md.	ORIGINAL	MAP CLASS
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Lawrence W. Fritz	REVISED	19TO 19
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5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	17.	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	*1/**	
7. COMPILATION SECTION REVIEW BY	-1	9/15/82
8. FINAL REVIEW BY		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	NOU 1984

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NOAA FORM 76-36B (3-72)

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

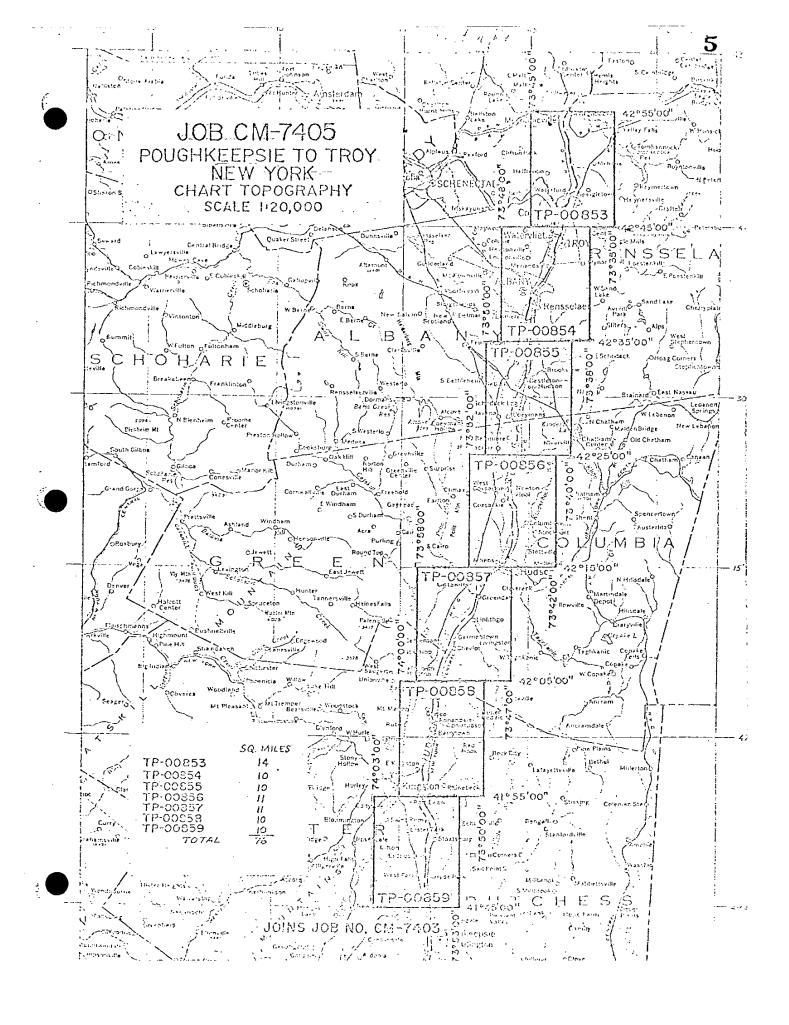
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7. SUPPLEMENTAL MAPS AND PLANS None	
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT TP-00859

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. <u>Area Covered</u>: 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. <u>Supplemental Data</u>: 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

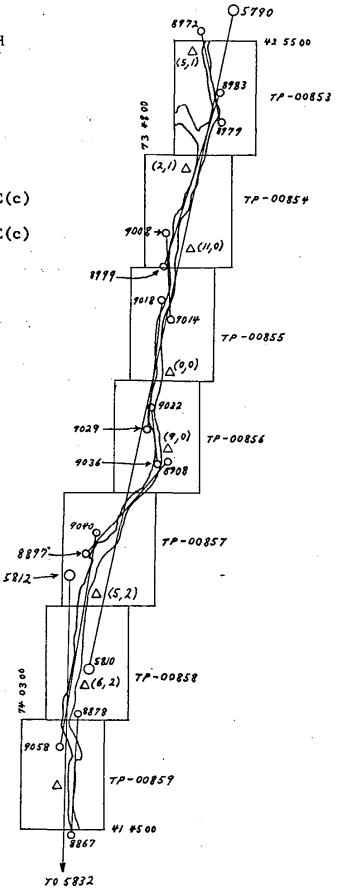
Don O. Norman

John D. Perrow, Jr.

Approved by,

Chief, Aerotriangulation Section

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



DESCRIPTIVE REPORT CONTROL ACCORDANCE						
DESCRIPTIVE REPORT CONTROL RECORD ORD-7405 ORD-710407	NOAA FORM /6-41 (6-75)			•		.S. DEPARTMENT OF COMMERCE ATMOSPHERIC ADMINISTRATION
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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 - None

34. 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: 0,000, 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

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 Crùm 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	9			AN	A NOT	UNA CINA	S. DEPARTM	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	т 567.	NONFLOATING AIDS (OR LAND	MARKS	DS OR LANDMARKS FOR CHARTS	ARTS			HYDROGRAPHIC PARTY GEODETIC PARTY HOTO FIELD PARTY	ARTY 2TY
X TO BE CHARTED	TED REPORTING UNIT	STATE	T.E.		LOCALITY			DATE	COMPLATION ACTIVITY	יועודץ
TO BE REVISED	Rockville, Md.	Ne	New York		Huds	Hudson River	•.	6/82	OUALITY CONTROL & REVIEW GRP	L & REVIEW GRF NCH
The following objects	HAVE HAVE NOT	V been inspected from seaward to determine their value as landmarks	d from sea	ward to de	termine the	ir vafue as	landmarks.		(See reverse for responsible personnel)	ible personnell
OPR PROJECT N	JOB NUMBER	SURVEY NUMBE	œ	DATUM	N. A. 1927	799		4		
	CM-7405	TP-00859	6		- L	NO.		(See instructions	(See instructions on reverse side)	CHARTS
CHARTING	DESCRIPTION DESCRIPTION DESCRIPTION	ION per or aid to nevida	tion.	LATITUDE	1 1	LONGITUDE	rub£	OFFICE	FIELD	AFFECTED
IJ ¥ ¥	Show triangulation station names, where applicable, in parentheses)	here applicable, in p	nenthoses)	, ,	D.M. Meters	/ 0	D.P. Meters			
	MIDDLE HUDSON RIVER	N RIVER								
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Light 8	Esopus Island Light	Lighthouse, 1905		•	22.47		54,82	Triang.		£
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II. TRIANGULATION STAT	TO TO THE SUNDER METHOD A CONSULT Photogrammetric Instruction Structure (Consult Photogrammetric Instruction Instr	 	NAME NAME
STATION RECOVERED TRAIN ACCOMMISTANCE IS also a tri- lark or accovered, enter 'Triang. late of recovery. lang. Rec. lang. Rec. l2-75 lFIED VISUALLY ON PHOTOGRAPH l' and date. Vis. l2-75 l2-75 FIELD POSITIONS are dependent part, upon control established ric methods.	ons No. 64, Cont'd) Photogrammetricafield positions** require entry of method of location or verification, date of field work and number of the photo- graph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 8-12-75	FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	ORIGINATOR PHOTO FIELD PARTY HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)

NOAA FORM 76-40 (8-74)

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

Replace Cags Form 567	NONFLOATING AIDS	_	ANDWARKS	FOR CH	ARTS			יוניין אייטאטיין	
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XTO BE CHARTED	ED REPORTING UNIT	ST.		LOCALITY			DATE		TIVITY
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CHARTING	DESCRIPTION Record reason for deletion of landmark or aid to navigation.	N k or aid to navigation.	•	LATITUDE	LONGITUDE	Tube //	OFFICE	FIELD	AFFECTED
	Show triangulation station names, where applicable, in parentnesses,	e applicable, in parenine		D.M. Meters		D.P. Meters			
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			41 53		73 58				
Spire	Jones Tower (Steeple, 1857	.e, Brown Bldg.)),	12.31	73 56	11.24	Triang.		E
South	Esopus Mt. St Adolp	St Adolphus Monastery	1	19.97		36.21	Triang.		=
Cross	ω,		4 1 50		73 57)		
Flagpole	Protestant Episcopal Mission Flagpole (Gold Ball), 1933	d Mission), 1933	87 77	38.28	73 57	26.60	Triang.		Ξ
Cupola	West Park Holy Cross Monastery Cupols (Green Roof), 1933	s Monastery , 1933	8t Tt	60° 79	73 57	94.92	${ m Triang}$.		Ε

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art, upon control established	**PHOTOGRAMMETRIC FIELD PC	. Her Jord	~ ~
			location and date
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late.	Enter 'V-Vis.' and date.	Sextant	ر ∞۰ ا
TED VISUALLY ON PHOTOGRAPH	III. POSITION VERIFIED VIS	Planetable	- Intersection 7 -
	8-12-/5	Field identified Theodolite	1 - Triangulation 5 - 3 - Traverse 6 -
	D'S EXAMPLE: Triang (2Rec.) 2014	ζ).)
recovery.	Rec. With date of recovered, enter	Vis - Visually Fi Da	L - Located Vis
	When a landmark or aid which is	s as follows: 3	AN ON: Enter the applicable data by symbols
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982	TY 6 74L(C) 298	<u> </u>	To distroll
Ó	8-12-75	Y.J. RO.	
EXAMPLE: P-8-V		Ĥ	EXAMPLE: 75E(C)6042
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entry of method of location or verification,	entry of method of	and date (including month,	Enter the number and dat
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OTHER (Specify)	with deal	¥p.∵.	^
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PHOTO FIELD PARTY			
ORIGINATOR	NAME	AN	TYPE OF ACTION
-	RESPONSIBLE PERSONNEL	RESPONSIBLE	

NOAA FORM 76-40 (8-74)

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

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
1			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			•
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