

TP-00858

TP-00858

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
This map will not be field checked	
Map No. TP-00858	Edition No. I
Job No. CM-7405	
Map Classification III	
Type of Survey Shoreline	
LOCALITY	
State New York	
General Locality Hudson River	
Locality Kingston to Saugerties	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 75 TO 19 </div>	
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.		TYPE OF SURVEY		SURVEY TP. 00858	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS III	
				<input type="checkbox"/> REVISED		JOB PH. CM-7405	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Rockville, Md.				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
Lawrence W. Fritz				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation 9/4/75				Field 4/2/75			
Compilation 5/19/82				Field 4/15/75			
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				4. GRID(S)			
Transverse Mercator				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: CHECKED BY				E. Allen		9/82	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				E. Allen		9/82	
COMPILATION CHECKED BY				P. Dempsey		9/82	
INSTRUMENT: B-8				CONTOURS BY		N/A	
SCALE: 1:20,000				CHECKED BY		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				E. Allen		9/82	
METHOD: Smooth/Drafted				CHECKED BY		P. Dempsey	
SCALE: 1:20,000				CONTOURS BY		N/A	
HYDRO SUPPORT DATA BY				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		8/84	
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	

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)5807 thru 5810	5/7/75	0740	1:60,000	
75C(C)5813 thru 5817	5/7/75	0740	1:60,000	
75E(C)9046 thru 9050	4/23/75	0841	1:20,000	-1.2 MHW (Tivoli)
75E(C)9051 thru 9056	4/23/75	0841	1:20,000	-0.9 MHW (Kingston Pt)

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water line was interpreted from the 1:20,000 Photos 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-00857	N/A	TP-00859	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	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	"

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED 1 Pre-mark		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Beck 1934 Sub Sta.		
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) 1-form 76-53 with quad. cutout attached.			

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 alongshore 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 LDMKS & AIDS TO NAVIGATION

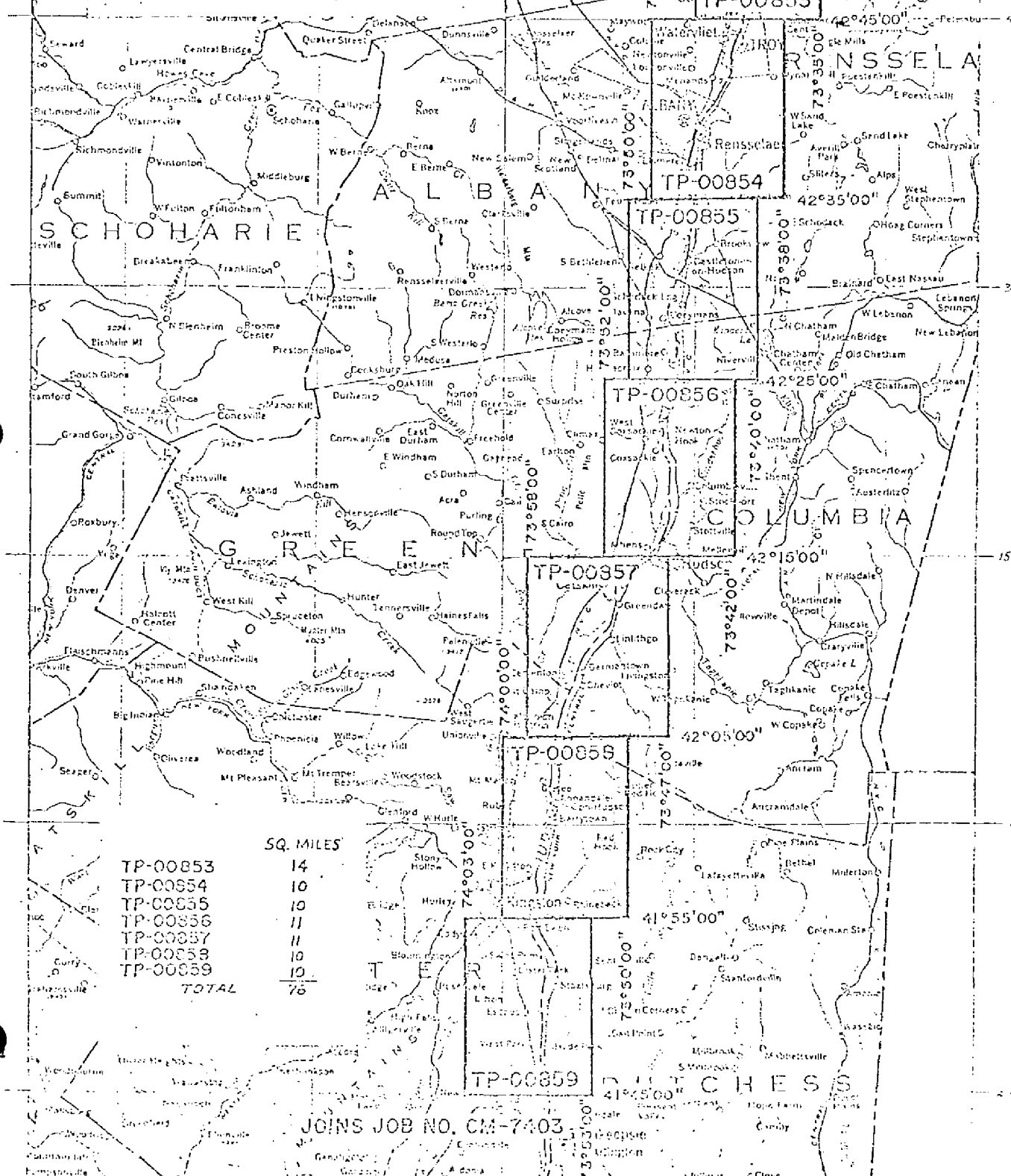
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00858

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-00858

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

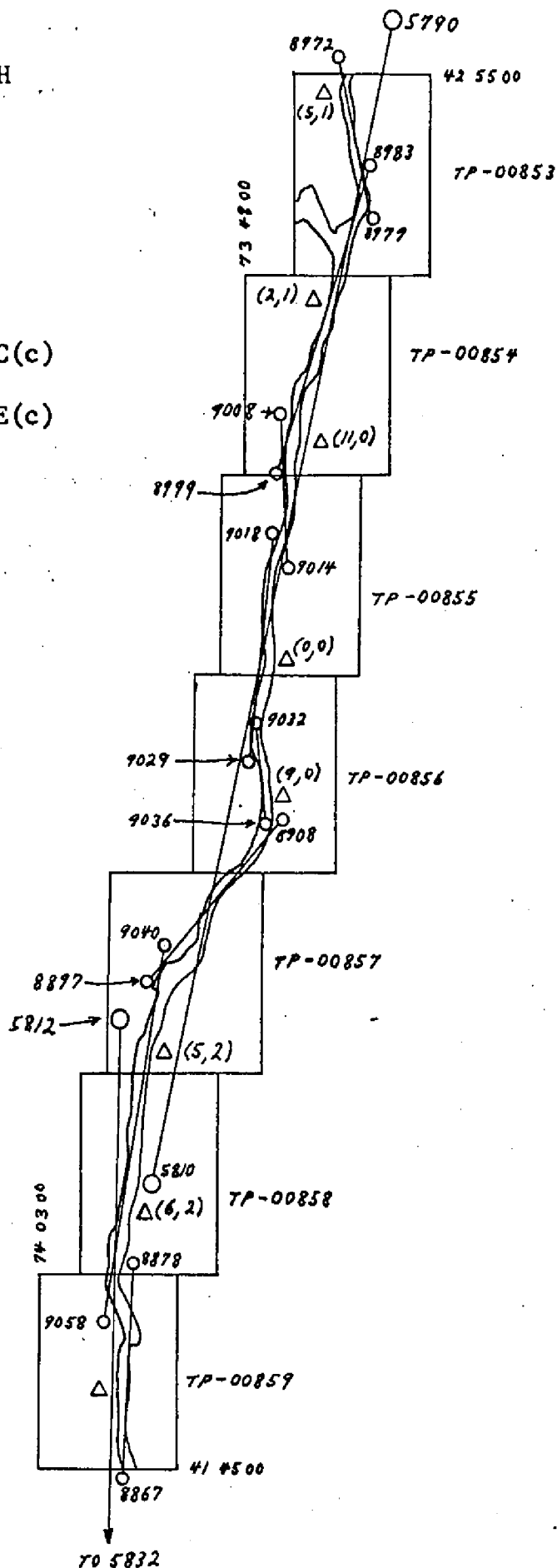
Approved by,

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.		JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY	
TP-00858		CM-7405		N.A. 1927		Compilation	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			STATE	ZONE	NEW YORK	EAST	
Saugerties Martin Cantine Company Tank, 1934	G.P. Vol. 1 Pg. 367	62	X=	Y=	φ 42° 04'	λ 2467"	
Vatts, 1934	G.P. Vol. 1 Pg. 241	12	X=	Y=	φ 42° 03'	λ 53.831"	
Cruger Island Light, 1934	G.P. Vol. 1 Pg. 366	814110	X=	Y=	φ 42° 02'	λ 02.486"	
Astor Point Light, 1934	"	13	X=	Y=	φ 41° 59'	λ 24.281"	
Windmill Small, 1934	"	63	X=	Y=	φ 41° 59'	λ 22.210"	
Goldbeck and Sons Brick Plant Stack, 1934	"	14	X=	Y=	φ 41° 58'	λ 57.954"	
Point, 1934	G.P. Vol. 1 Pg. 244	15	X=	Y=	φ 41° 58'	λ 13.715"	
Beck, 1934	"	815100	X=	Y=	φ 41° 58'	λ 28.020"	
Rondout Union Congregational Church Spire, 1933	G.P. Vol. 1 Pg. 364		X=	Y=	φ 41° 58'	λ 37.890"	
Kingston Trinity Lutheran Church Spire (Longstripes) 1933	G.P. Vol. 1 Pg. 364		X=	Y=	φ 41° 55'	λ 34.211"	
			X=	Y=	φ 41° 58'	λ 28.711"	
			X=	Y=	φ 41° 55'	λ 07.463"	0
			X=	Y=	φ 41° 59'	λ 20.808"	
COMPUTED BY		DATE	COMPUTATION CHECKED BY				
LISTED BY E. Allen		DATE 9/82	LISTING CHECKED BY P. Dempsey				
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				
			DATE 9/82				
			DATE				

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00858	JOB NO. CM-7405	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY Compilation		REMARKS
					COORDINATES IN FEET STATE <u>New York</u> ZONE <u>East</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE			
Rhinecliff Saint Josephs Catholic Church Spire Gold Cross, 1933	G.P. Vol. 1 Pg. 365	66			$x=$	ϕ 41° 55' 09.094"			
					$y=$	λ 73° 57' 00.872"			
Lorillard 2, 1934	G.P. Vol. 1 Pg. 241				$x=$	ϕ 42° 04' 01.046"			
					$y=$	λ 73° 56' 33.552"			
Lucky, 1934	G.P. Vol. 1 Pg. 242				$x=$	ϕ 42° 02' 11.761"			
					$y=$	λ 73° 55' 40.592"			
Bridge, 1934	G.P. Vol. 1 Pg. 243				$x=$	ϕ 42° 00' 55.263"			
					$y=$	λ 73° 55' 38.182"			
Yale 2, 1954	G.P. Vol. 1 Pg. 245				$x=$	ϕ 41° 57' 59.065"			
					$y=$	λ 73° 57' 24.282"			
					$x=$	ϕ			
					$y=$	λ			
					$x=$	ϕ			
					$y=$	λ			
					$x=$	ϕ			
					$y=$	λ			
					$x=$	ϕ			
					$y=$	λ			
					$x=$	ϕ			
					$y=$	λ			
					$x=$	ϕ			
					$y=$	λ			
					$x=$	ϕ			
					$y=$	λ			
COMPUTED BY		DATE			COMPUTATION CHECKED BY		DATE		
LISTED BY E. Allen		DATE 9/82			LISTING CHECKED BY P. Dempsey		DATE 9/82		
HAND PLOTTING BY		DATE			HAND PLOTTING CHECKED BY		DATE		

COMPILATION REPORT

TP-00858

September 1982

31. Delineation

Planimetry was compiled from the natural color photographs using the Wild B-8 stereoplotter. There was no mean high water or mean low water tide-coordinated infrared photographs. All detail was compiled from 1:60,000-scale bridging photographs and verified with black and white 1:20,000-scale photographs.

32. Control

See attached Photogrammetric Plot Report dated December 4, 1975, for horizontal control. Vertical control was taken from USGS quadrangles.

33. Supplemental Data - None34. Contours and Drainage

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

35. Shoreline and Alongshore Detail

The shoreline was delineated and alongshore detail identified by office interpretation of the bridging photographs. These photographs were adequate for the photointerpretation of this map. No field inspection was made prior to map compilation. Small piers were omitted when size was too small for the scale of this manuscript.

36. Offshore Detail

Wrecks and piles were searched for during compilation and located where possible.

37. Landmarks and Aids

Nine charted landmarks were located or verified during compilation. One aid was rebuilt in 1968 and should be verified by fieldman. Only those landmarks and aids that were visible on photographs are shown on this map.

38. Control for Future Surveys - None

39. Junctions

Refer to NOAA Form 76-36B, Item 5.

40. thru 45. Not Applicable46. Comparison with Existing Maps

Saugerties, N.Y., Scale 1:24,000, dated 1963

Kingston East, N.Y., Scale 1:24,000, dated 1980

47. Comparison with Nautical Charts

Chart 12347, 23rd Edition, January 1980/March 81, Scale 1:40,000

Submitted by,



Edward D. Allen

Approved and Forwarded:



For, Frank Wright
Chief, Coastal Mapping Section

REVIEW REPORT TP-00858
SHORELINE

14

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 the 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

GEOGRAPHIC NAMES

FINAL NAME SHEET

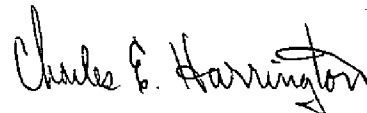
CM-7405 (Hudson River, New York)

TP-00858

Annandale-on-Hudson
Astor Cove
Astor Point
Barrytown
Clifton Point
Conrail (RR)
Cruger Island
East Kingston
Esopus Creek
Flatbush
Glasco
Glenerie
Glenerie Lake Park (locality)
Goose Island
Hudson River
Kingston
Kingston Point
Lake Katrine
Lake Katrine (locality)
Magdalen Island
Mills Point

Mount Marion
Mount Marion Park
Mudder Kill
North Bay
Picnic Point
Plattekill Creek
Ponck Hockie
Rhinecliff
Rondout
Rondout Creek
Saugerties
Skillpot Island
Sleightsburg
South Bay
Stony Creek
Sycamore Point
Tivoli
Turkey Point
Tyler Point
Ulster Landing

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															
<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								ORIGINATING ACTIVITY <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)			
The following objects HAVE <input type="checkbox"/> been inspected from seaward to determine their value as landmarks. OPR PROJECT NO.		HAVE <input type="checkbox"/>	HAVE NOT <input checked="" type="checkbox"/>	SURVEY NUMBER	DATUM	POSITION						METHOD AND DATE OF LOCATION (See instructions on reverse side)			CHARTS AFFECTED
		JOB NUMBER			LATITUDE	LONGITUDE									
					° /	' "	° /	' "							
					° /	' "	° /	' "							
	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	TP-00858		N. A. 1927											
	Rondout Creek														
Light 1															12347
Light 2															"
Light 4															"
	Middle Hudson River														
Light	Astor Point Light, 1934														12347
Light	Cruzer Island Light, 1934														"
Light 41															"

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	<input type="checkbox"/> FIELD ACTIVITY REPRESENTATIVE <input type="checkbox"/> 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 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 (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	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.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NON-FLUORATING AIDS OR LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY <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		9/82												
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED							
				CM-7405		TP-00858		N. A. 1927											
								POSITION											
								LATITUDE		LONGITUDE									
								° / ' " D.M. Meters		° / ' " D.P. Meters									
Bridge Tower				41	55	00.8		73	59	07.0		75C(C)5817 5/8/75	12347						
Spire	Rhinecliff St Josephs Catholic Church Spire, Gold Cross, 1933	41	55	09.09		73	57	00.87		Triang.		"							
Spire	Rondout Union Congregational Church Spire, 1933	41	55	34.21		73	58	28.71		Triang.		"							
Wind Mill	Windmill, Small, 1934	41	59	22.21		73	55	31.48		Triang.		"							
Cupola		42	00	17.6		73	56	41.3		75C(C)5815 5/8/75		"							
Tank	Saugerties Martin Cantine Company Tank, 1934	42	04	24.67		73	56	59.65		Triang.		"							
Stack		42	04	20.9		73	56	45.2		75C(C)5814 5/8/75		"							
Tank		41	55	21.0		73	58	14.2		75C(C)5817 5/8/75		"							
Spire	Kingston Trinity Lutheran Church Spire (Longstripes), 1933	41	55	07.463		73	59	20.808		Triang.		"							

