

TP-00864

0
*

TP-00864

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline.....

Job No. CM-7403..... Map No. TP-00864.....

Classification No. III Edition No.

LOCALITY

State New York.....

General Locality Hudson River.....

Locality Tappan Zee.....

1975 TO 19

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. 00864

MAP EDITION NO. ()

MAP CLASS III

JOB XCM-7403

PHOTOGRAMMETRIC OFFICE

Cartometric Section
Rockville, Maryland

OFFICER-IN-CHARGE

Cdr. James Collins

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation September 3, 1975
Compilation October 21, 1975

2. FIELD

April 2, 1975
April 15, 1975 Supplement I

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

☒ MEAN HIGH-WATER
☐ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Transverse Mercator

4. GRID(S)

STATE New York

ZONE East

5. SCALE

1:10,000

STATE New Jersey

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	Don O. Norman	Oct. 1975
METHOD: Analytic	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY		
METHOD:	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	B. Baldwin	Sept. 1976
COMPILATION	CHECKED BY	J. Massey	Sept. 1976
INSTRUMENT: Wild B-8 Stereoplotter	CONTOURS BY	NA	
SCALE: 1:1,400	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	B. Baldwin	Oct. 1976
	CHECKED BY	J. Massey	Oct. 1976
METHOD: Inked from B-8 worksheet	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY		
6. APPLICATION OF FIELD EDIT DATA	BY	Field edit postponed	Nov. 1976
	CHECKED BY		
7. COMPILATION SECTION REVIEW	BY		
8. FINAL REVIEW	BY	J. B. Phillips	June 1977
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. Cator	Oct. 77

TP-00864
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) C f = 88.74 mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE 5th	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75 E(c) 9286-95	5/8/75	12:32	1:20,000	+ 0.5 ft. above MLW	
75 E(c) 9313-21	5/8/75	12:49	1:20,000	+ 0.4 ft. above MLW	
75 E(c) 5836-39	5/7/75	11:20	1:60,000	not applicable	

REMARKS

1:60,000 scale used for bridging
1:20,000 scale used for compilation

2. SOURCE OF MEAN HIGH-WATER LINE:

Since there was no tide-coordinated infrared photography, the mean high water line was compiled from a combination of empirical observations and contouring on the analytical plotter.

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

There was no requirement for a mean low water line because it was impossible to determine on the color photography. In lieu of the low water line, shallow areas were outlined.

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-00863	No survey	TP-00865	No survey
REMARKS			

TP-00864
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	
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	None	
4. LANDMARKS AND AIDS TO NAVIGATION		
RECOVERED (<i>Triangulation Stations</i>) BY		
LOCATED (<i>Field Methods</i>) 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		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

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: ☐ 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*)

None

TP-00864
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and inshore compilation	Oct. 1976	Class III Map		
Compilation office review	June 1977	Corrections made		
Final review prior to registration	June 1977	Field Edit postponed Class III Manuscript	10-3-77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
4		9-26-77	

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 - _____	<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 - _____	<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 - _____	<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 CM-7403

This summary covers the 1:10,000 scale portion of this project: TP-00864, TP-00865 and TP-00880 through TP-00885.

TP-00864 is one of 12 shoreline maps in Job CM-7403 compiled for use in the maintenance of published nautical charts and in new chart construction.

Field work prior to compilation consisted of the recovery and premarking of horizontal control.

This manuscript was compiled using the Wild B-- stereo-plotter with 1:20,000 scale color photography. One annotated ozalid copy of this map and black-and-white ratioed positives of the photographs covering this area have been prepared for use by the field editor assigned. The original field edit assignment was postponed in November 1976.

Final review was done in the Rockville, Maryland, office April through July 1977.

A stable base positive copy of the map and a descriptive report will be registered in the NOS Archives.

JOB CM-7403
EAST RIVER & HUDSON RIVER
TO POUGHKEEPSIE
NEW YORK & NEW JERSEY
CHART TOPOGRAPHY
SCALE 1:20,000
& 1:10,000

Official Mileage for Cost Accounts

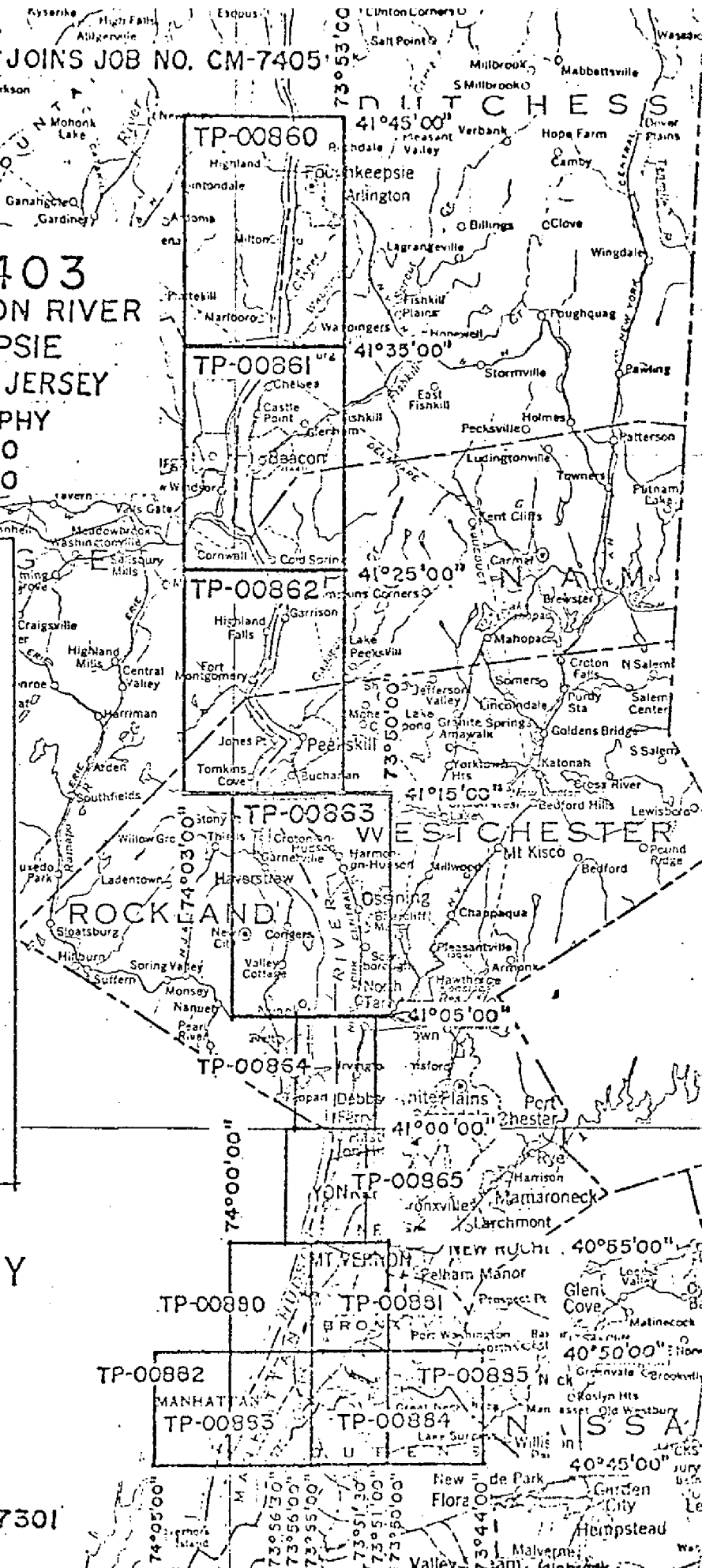
Sheet No.	Sq. Miles
TP-00860	10
TP-00861	11
TP-00862	12
TP-00863	12
TP-00864	5
TP-00865	5
TP-00880	7
TP-00881	2
TP-00882	4
TP-00883	11
TP-00884	7
TP-00885	7
TOTAL	93

J E R S E Y

REVISED 8-12-74 RHM
 2-15-75 RMP

JOINS JOB NO. CM-7301

JOINS JOB NO. CM-7405



Photogrammetric Plot Report
East River and Hudson River
to Poughkeepsie
New York
CM-7403

October 20, 1975

21. Area Covered: This report pertains to 8 sheets at 1:10,000 scale along the East River and Hudson River in the vicinity of Manhattan Island and also 4 sheets at 1:20,000 scale along the Hudson River to Poughkeepsie, New York. The sheets are TP-00880 thru TP-00885 and TP-00860 thru TP-00865.

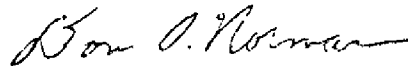
22. Method: Three strips of 1:60,000 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground in the New York East Zone state plane coordinate system. In the area covered by 1:10,000 scale sheets, points were established for setting 1:20,000 scale color photography for compilation. Points were also established for determining ratios of all the 1:20,000 scale photography. T-sheets and ratios were ordered for compilation.

23. Adequacy of Control: The control was adequate.

24. Supplemental Data: U.S.G.S. Topographic quadrangles were used to determine elevations of points for strip adjustment.

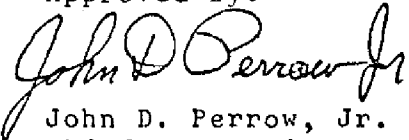
25. Photography: The photography was adequate.

Submitted by,



Don O. Norman

Approved by:



John D. Perrow, Jr.
Chief, Aerotriangulation Section

Fit to Control

Strip 1

- 1 PAYNE 2, 1932 (-0.4, -0.4)
- 2 SCHOOL, 1932 (+1.3, +1.0)
- 3 INTER, 1932 (-1.1, -1.0)
- 4 HILLSIDE, 1933 (+0.2, +0.4)

Strip 2

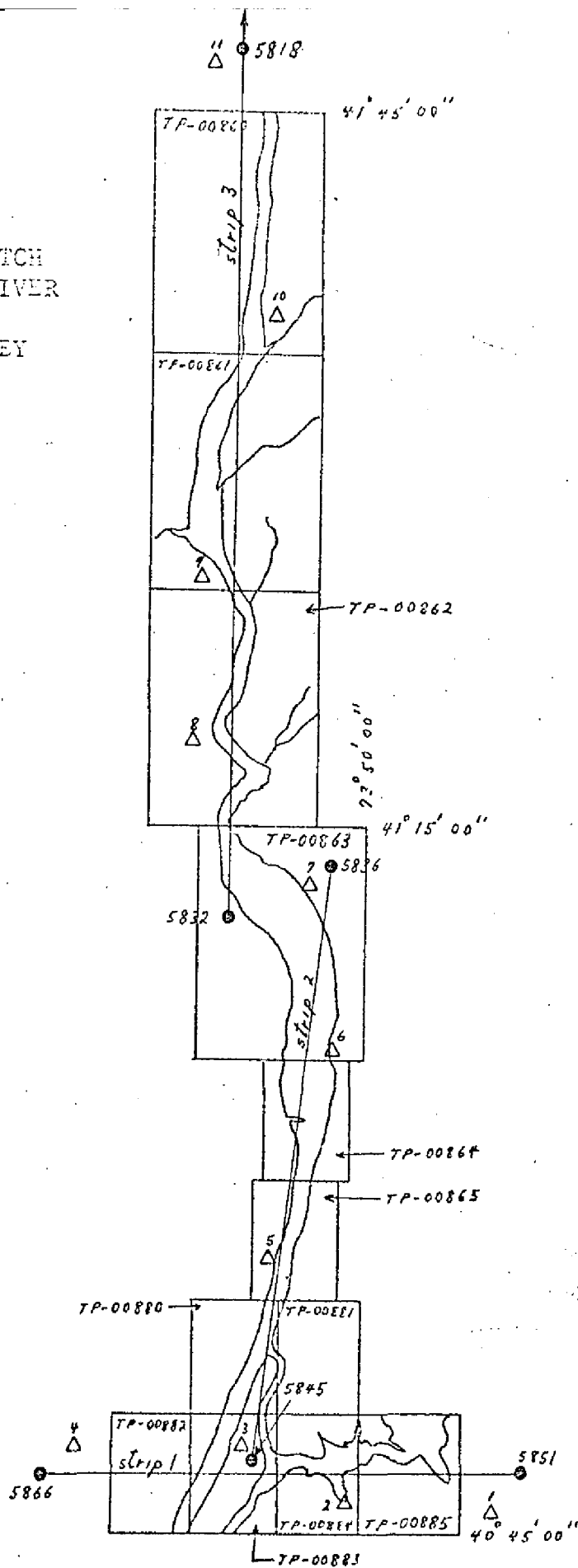
- 3 INTER, 1933 (-0.7, -0.2)
- 5 ALPINE, 1930 (+1.7, +0.8)
- 6 KING, 1932 (-2.2, -1.0)
- 7 LARKIN, 1932 (-1.8, -1.1)

Strip 3

- 7 LARKIN, 1932 (+1.3, -1.4)
- 8 BEAR MOUNTAIN, 1851 (+1.7, +2.1)
- 9 BUTTER HILL, 1880 (-2.4, +1.2)
- 10 ST. CLAIR 3, 1973 (-4.5, -4.4)
- 11 WEST PARK HOLLY CROSS (+5.0, +3.1)
- MONASTARY CUPOLA, 1933
- BECK, 1934 (+0.7, -1.1)
- GREEN, 1934 (-1.8, +0.3)

AEROTRIANGULATION SKETCH
 EAST RIVER & HUDSON RIVER
 TO POUGHKEEPSIE
 NEW YORK & NEW JERSEY
 CM-7403
 October, 1975

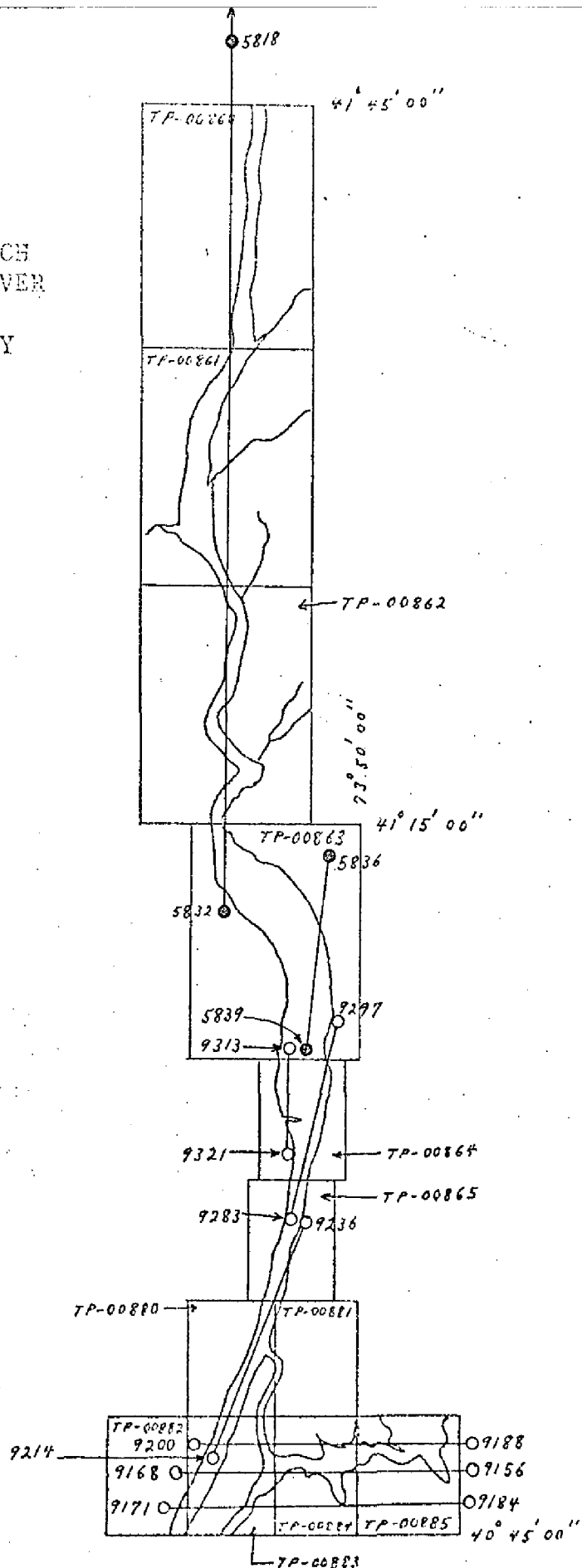
BRIDGING PHOTOGRAPHY
 •75C(c) 1:60000



AEROTRIANGULATION SKETCH
 EAST RIVER & HUDSON RIVER
 TO POUGHKEEPSIE
 NEW YORK & NEW JERSEY
 CM-7403
 October, 1975

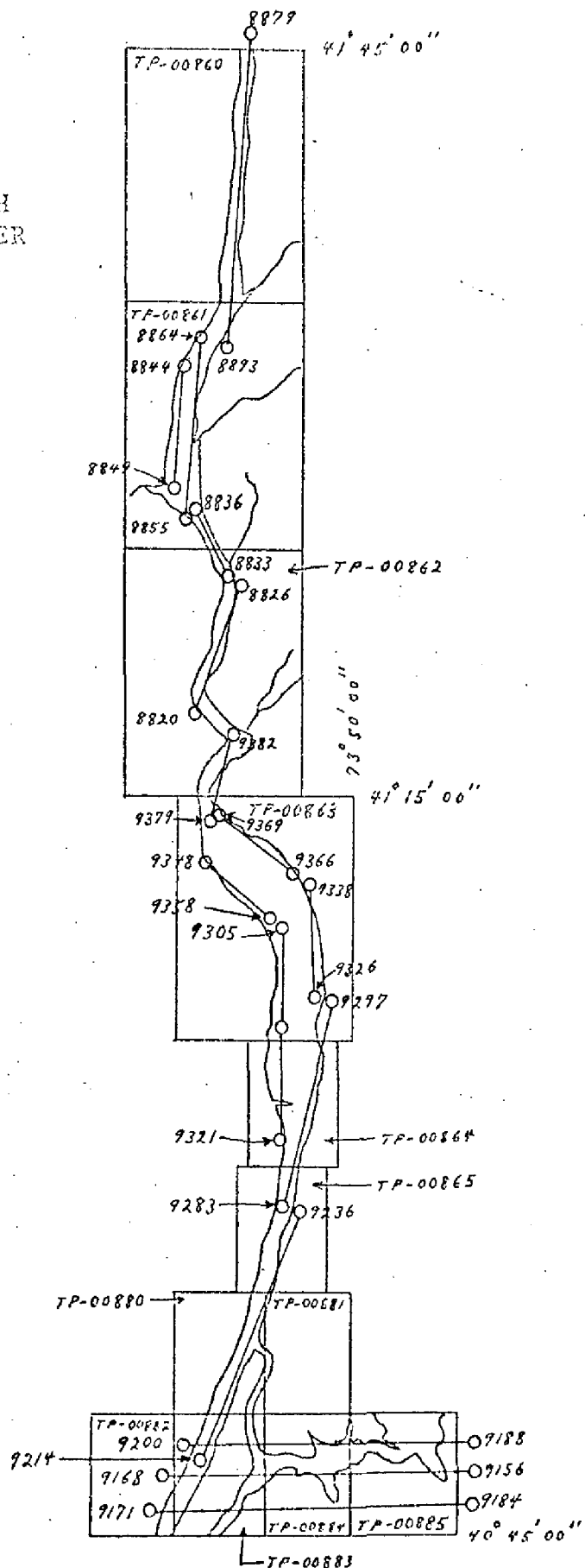
COMPILATION PHOTOGRAPHY

- 75C(c) 1:60000
- 75E(c) 1:20000



AEROTRIANGULATION SKETCH
 EAST RIVER & HUDSON RIVER
 TO POUGHKEEPSIE
 NEW YORK & NEW JERSEY
 CM-7403
 October, 1975

RATIO PHOTOGRAPHY
 075E(c) 1:20000



COMPILATION REPORT

Shoreline Survey
TP-00864

This map and all maps in Job CM-7403 were compiled to provide shoreline for the construction of a new chart (scale 1:20,000) and for the maintenance of other nautical charts in the area.

Existing charts were checked for aids to navigation and USGS Quadrangles for locations of hospitals.

On the discrepancy print we have noted any features in which there was doubt as to position or identification.

31. Delineation

The shoreline and alongshore features were compiled stereoptically using 1:20,000 color photography. Interior features were compiled graphically from ratio prints made from the color photographs. The color transparencies were used for interpretation of these features. Control for the graphic compilation consisted of planimetric features compiled from stereo models of the bridging and compilation photography.

32. Control

Horizontal control was adequate using identifiable triangulation stations and PUG holes drilled for that purpose.

Vertical control was determined from USGS Quadrangles. This also was considered adequate.

33. Supplemental Data

None.

34. Contours and Drainage

There is no requirement for contours on this project.

35. Shoreline and Alongshore Details

Mean high water line: In bulkheaded and similar areas there was no problem in depicting the mean high water line. In other areas it was established by interpreting what could be seen along the shore or extrapolating from the water level in the photos. Once this was done the mean high water line was contoured on the level model. Where there was any question it was indicated on the discrepancy print.

Mean low water line: Since no tide-coordinated photography was taken, and considering the uncertainty of water penetration, no attempt was made to depict the mean low water line. However, shallow areas that could be seen were shown on the manuscript.

36. Offshore Details

No particular problems in offshore details were encountered. The entire chart should be checked for changes in rocks, ruins, groins, piles, dolphins, and piers in the offshore areas as indicated on the Discrepancy Print.

37. Landmarks and Aids

See Forms 76-40.

38. Control for Future Surveys

None.

39. Junctions

Refer to attached Form 76-36B of the Descriptive Report or the index to adjoining sheets on the manuscript.

40. Horizontal and Vertical Accuracy

Refer to the Plot Report.

41. through 45.

Not applicable.

46. Comparison with Existing Maps

Comparison was made with the 1:24,000 Nyack (1967) and White Plains (1967) USGS Quadrangles.

47. Comparison with Nautical Charts

Comparison was made with the following National Ocean Survey charts:

282 (12343), 1:40,000, dated November 1975
748 (12346), 1:10,000, dated February 1975
1213 (12363), 1:80,000, dated December 1975

Items to be Applied to Nautical Charts Immediately

None.

Items to be Carried Forward

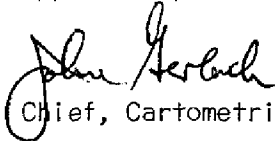
None.

Submitted by:



B. Baldwin
Cartographer

Approved by:



Chief, Cartometric Section

Final Review Report

CM-7403

Shoreline Survey TP-00864

61. General Statement

This map is registered as Class III. The field edit was postponed November 1976. Map detail is subject to changes pending a field edit inspection. Discrepancy prints and ratioed photographs are prepared and ready for field edit use.

62. through 64.

Inapplicable

65. Comparison with Nautical Charts

This map was compared with the following:


Chart 12343 (282), 1:40,000 scale, published November 1975.

Chart 12346 (748), 1:10,000 scale, published February 1975.

66. Adequacy of Results and Future Surveys

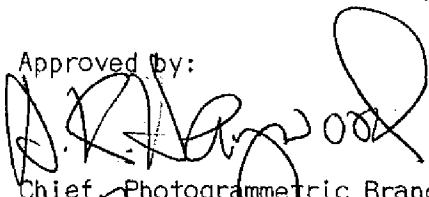
This map meets the National Standards of Map Accuracy and complies with Bureau requirements.

Submitted by:



J. B. Phillips
Cartographer

Approved by:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

D:
VI

0864 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF
403 * NONFLOATING AIDS FOR CHARTS * STATE NEW YORK *
ON R. * TO BE REVISED * LOCALITY TAPPAN ZEE *ORIGINATING AC
927 * DATE 07/29/77 * COMPILATION

OWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDM

DESCRIPTION	POSITION	CMD	METHOD AND DATE
RECORD REASON FOR DELETION	LATITUDE DM	ALTEK	OF LOCATION
PUT TRIANGULATION NAMES IN ()	LONGITUDE DP	DGTZD	OFFICE * FIELD

NEW YORK HARBOR			
LOWER HUDSON RIVER			
PIERMONT PIER LIGHT	41 02 35.19 1085.5	*75E(C)9317*	
	73 53 49.99 1167.6	* 05/08/75 *	
TAPPAN ZEE BRIDGE FOG SIGNAL	00 00 00.00 0.0	NOT *UNVERIFIED*	
	00 00 00.00 0.0	DGTZD*	
TARRYTOWN SOUTH CHANNEL			
	00 00 00.00 0.0	NOT *UNVERIFIED*	
	00 00 00.00 0.0	DGTZD*	
	00 00 00.00 0.0	NOT *UNVERIFIED*	
	00 00 00.00 0.0	DGTZD*	

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
IONS DETERMINED	NO FIELD EDIT-CLASS 111 MAP	FIELD REPRESENTAT
OR VERIFIED BY	J. MASSEY	OFFICE COMPILER
LD AND OFFICE	J. MASSEY	DIGITIZER
ACTIVITIES	J. MASSEY	DATA PROCESSER

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

D.
VI

0864 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 2 OF
403 * LANDMARKS FOR CHARTS * STATE NEW YORK *
ON R. * TO BE REVISED * LOCALITY TAPPAN ZEE *ORIGINATING AC
927 * DATE 07/29/77 * COMPILATION

DIVING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDM.

DESCRIPTION * POSITION CMD * METHOD AND DATE *
RECORD REASON FOR DELETION * LATITUDE DM ALTEK* OF LOCATION * C
PUT TRIANGULATION NAMES IN () * LONGITUDE DP DGTZD* OFFICE * FIELD *AFI

(BLACK, 1930) * 41 00 02.16 66.6 NOT *75E(C)9287* *
* 73 52 18.15 424.2 DGTZD* 05/08/75 * *
(DOBBS FERRY CHILDRENS VILLAGE * 41 00 14.67 452.5 NOT *75E(C)9289* *
TANK, 1966) * 73 52 02.51 58.7 DGTZD* 05/08/75 * *
(DOBBS FERRY METHODIST * 41 00 48.95 1510.0 NOT *75E(C)9289* *
EPISCOPAL CHURCH CUPOLA, 1930) * 73 52 30.03 701.7 DGTZD* 05/08/75 * *
(DOBBS FERRY PRESBYTERIAN * 41 00 52.58 1622.0 NOT *75E(C)9289* *
CHURCH SPIRE, 1930) * 73 52 21.26 496.8 DGTZD* 05/08/75 * *
* 41 00 53.29 1643.9 *75E(C)9289* *
* 73 52 38.44 898.2 * 05/08/75 * *
* 41 00 51.32 1583.1 *75E(C)9289* *
* 73 52 36.32 848.7 * 05/08/75 * *
(DOBBS FERRY METHODIST BOOK * 41 01 00.48 14.8 NOT *75E(C)9289* *
CONCERN STACK, 1930) * 73 52 44.31 1035.3 DGTZD* 05/08/75 * *
* 41 01 37.25 1149.1 *75E(C)9289* *
* 73 52 36.81 860.0 * 05/08/75 * *
(IRVINGTON LORD AND BUMHAM * 41 02 21.72 670.0 NOT *75E(C)9289* *
STACK, 1930) * 73 52 29.07 679.0 DGTZD* 05/08/75 * *
(IRVINGTON CITY HALL FLAGPOLE, * 41 02 21.32 657.7 NOT *75E(C)9289* *
1930) * 73 52 06.27 146.5 DGTZD* 05/08/75 * *

TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR
* * *
* * *
IONS DETERMINED * NO FIELD EDIT-CLASS 111 MAP * FIELD REPRESENTAT
OR VERIFIED BY * J. MASSEY * OFFICE COMPILER
LD AND OFFICE * J. MASSEY * DIGITIZER
ACTIVITIES * J. MASSEY * DATA PROCESSER

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

D
V

0864 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 3 OF
403 * LANDMARKS FOR CHARTS * STATE NEW YORK *
ON R. * TO BE REVISED * LOCALITY TAPPAN ZEE * ORIGINATING AC
927 * DATE 07/29/77 * COMPILATIO

OWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDM

DESCRIPTION	POSITION	CMD	METHOD AND DATE
RECORD REASON FOR DELETION	LATITUDE DM	ALTEK	OF LOCATION
PUT TRIANGULATION NAMES IN ()	LONGITUDE DP	DGTZD	OFFICE * FIELD

(IRVINGTON PRESBYTERIAN CHURCH SPIRE, 1930)	41 02 25.69 792.5	NOT *75E(C)9293*	
	73 51 55.11 1287.2	DGTZD* 05/08/75 *	

(IRVINGTON ROCKHOLINE ESTATE BANK, 1930)	41 02 29.17 899.8	NOT *75E(C)9293*	
	73 51 20.89 487.9	DGTZD* 05/08/75 *	

	41 02 27.61 851.7	*75E(C)9316*	
	73 54 53.49 1249.4	* 05/08/75 *	

	41 02 28.45 877.6	*75E(C)9316*	
	73 54 53.91 1259.2	* 05/08/75 *	

	41 02 30.90 953.2	*75E(C)9316*	
	73 54 32.59 761.2	* 05/08/75 *	

(SOUTH TARRYTOWN F.J. SHEPPARD ESTATE TOWER, 1930)	41 03 14.26 439.9	NOT *75E(C)9293*	
	73 52 04.15 96.9	DGTZD* 05/08/75 *	

(TARRYTOWN SAINT VINCENT DE PAUL ASYLUM STACK, 1930)	41 04 04.21 129.9	NOT *75E(C)9293*	
	73 51 57.66 1346.2	DGTZD* 05/08/75 *	

	41 04 14.07 434.0	*75E(C)9314*	
	73 55 36.27 846.8	* 05/08/75 *	

	41 04 23.51 725.2	*75E(C)9293*	
	73 51 37.51 875.7	* 05/08/75 *	

(TARRYTOWN FIRST BAPTIST CHURCH SPIRE, 1930)	41 04 27.89 860.4	NOT *75E(C)9295*	
	73 51 32.78 765.3	DGTZD* 05/08/75 *	

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
IONS DETERMINED	NO FIELD EDIT-CLASS 111 MAP	FIELD REPRESENTAT
OR VERIFIED BY *	J. MASSEY	OFFICE COMPILER
D AND OFFICE	J. MASSEY	DIGITIZER
ACTIVITIES	J. MASSEY	DATA PROCESSER

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

D
V

0864 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 4 OF
403 * LANDMARKS FOR CHARTS * STATE NEW YORK *
ON R. * TO BE REVISED * LOCALITY TAPPAN ZEE * ORIGINATING AC
927 * DATE 07/29/77 * COMPILATIO

OWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDM.

DESCRIPTION	POSITION	CMD	METHOD AND DATE
RECORD REASON FOR DELETION	LATITUDE DM	ALTEK*	OF LOCATION
PUT TRIANGULATION NAMES IN ()	LONGITUDE DP	DGTZD*	OFFICE * FIELD

* 41 04 54.54	1682.5	*75E(C)9314*	*
* 73 55 41.17	961.0	* 05/08/75 *	*

*	*
*	*

CHARTED LDMK(S) NOT VISIBLE ON COMPILATION PHOTOS AND APPEAR
DESTROYED CONDITION OF TRIANGULATION STATION IS UNKNOWN.

(MONT, 1930)	* 41 02 35.89	1107.1	NOT *	*	*
	* 73 55 07.05	164.7	DGTZD*	*	*

*	*
*	*

CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY.
APPROX. POSITION SCALED FROM EXISTING CHART.

* 41 02 58.00	1789.2	NOT *	*	*
* 73 55 42.00	980.9	DGTZD*	*	*

*	*
*	*

CHARTED LDMK(S) NOT VISIBLE ON COMPILATION PHOTOS AND APPEAR
DESTROYED. APPROX. POSITION(S) SCALED FROM EXISTING CHART.

* 41 03 14.00	431.9	NOT *	*	*
* 73 55 24.00	560.5	DGTZD*	*	*

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
IONS DETERMINED	NO FIELD EDIT-CLASS 111 MAP	FIELD REPRESENTAT
OR VERIFIED BY	J. MASSEY	OFFICE COMPILER
D AND OFFICE	J. MASSEY	DIGITIZER
ACTIVITIES	J. MASSEY	DATA PROCESSER

