

TP-00861

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TP-00861

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-00861

Classification No. III Edition No.

LOCALITY

State ... New York - New Jersey

General Locality ... Hudson River

Locality ... Beacon

19 75 TO 19

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Cartometric Section Rockville, Maryland		SURVEY TP. <u>00861</u> MAP EDITION NO. () MAP CLASS <u>III</u> JOB <u>RM-CM-7403</u>	
OFFICER-IN-CHARGE Commander 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		2. FIELD	
Aerotriangulation - Sept. 3, 1975 Compilation - Oct. 21, 1975		April 2, 1975 Apr. 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 Traverse Mercator		4. GRID(S) STATE New York ZONE East	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		Don O. Norman Oct. 75	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradi</u> CHECKED BY		L. Harrod Mar. 76	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		J. Massey Nov. 76	
INSTRUMENT: <u>Wild B-8 Stereoplotter</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		J. Gerlach Nov. 76	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		N/A Jan. 77	
METHOD: <u>Inked from B-8 Worksheet</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		T. Gerlach Jan. 77	
HYDRO SUPPORT DATA BY CHECKED BY		N/A N/A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		Field edit postponed Nov. 76	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY		J. B. Phillips Apr. 77	
7. COMPILATION SECTION REVIEW BY		R.T. Cafer Oct. 77	
8. FINAL REVIEW BY		Oct. 77	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		Oct. 77	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		Oct. 77	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		Oct. 77	

TP-00861

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) C, F=88.47 mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY				ZONE 5th MERIDIAN 75th	☒ STANDARD ☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75-C(C) 5823-5826	May 8, 1977	9:22	1:60,000	2.5 above MLW	

REMARKS

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 Wild B-8 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-00860	No survey	TP-00862	No survey
REMARKS			

TP-00861

HISTORY OF FIELD OPERATIONS

I. ☒ 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	
	R. D. Wells	Apr. 18, 1975
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	
	None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	
	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY BY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
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
	Butter Hill, 1880		

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

Form C&GS-152

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

TP-00861

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and inshore delineation	Nov. 1976	Class III Manuscript		
Compilation office review	Feb. 1977	Corrections made		
Final review prior to registration	May 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 - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	

SUMMARY CM-7403

This summary covers the 1:20,000 scale portion of this project. TP-00860 through TP-00863.,

TP-00861 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-8 stereo-plotter with 1:60,000 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.

JOINS JOB NO. CM-7405

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

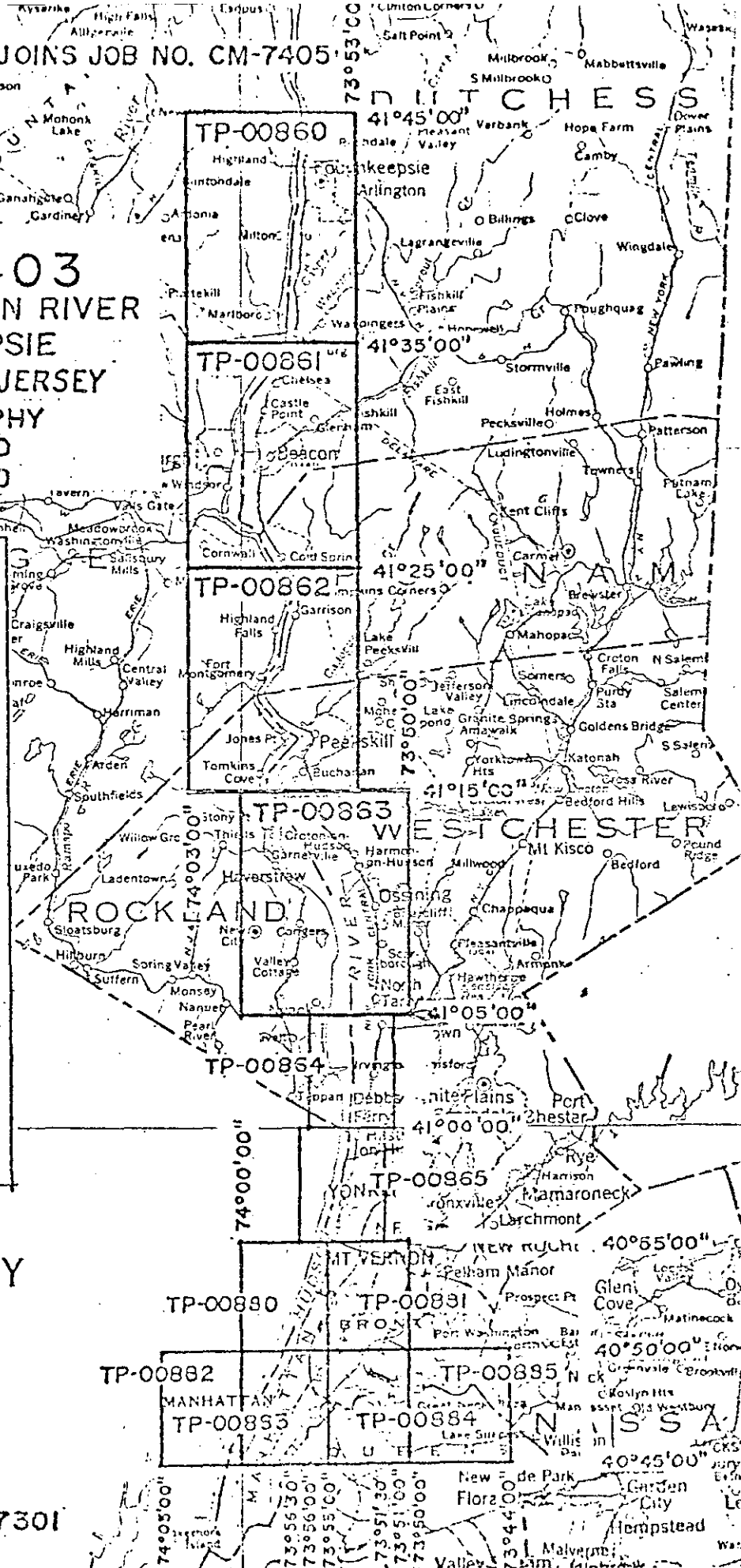
Official Mileage for Cost Accounts

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 RWW
 2-25-75 RMP.

JOINS JOB NO. CM-7301



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

Don O. Norman

Approved by:

John D. Perrow, Jr.

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)

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 Plot Report.

41. thru. 45. Not applicable.

46. Comparison with Existing Maps

Comparison was made with the 1:24,000 Wappingers Falls (1956), Newburgh (1957), Cornwall (1957), and Westpoint (1957) USGS quadrangles.

47. Comparison with Nautical Charts

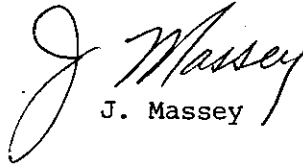
Comparison was made with the following National Ocean Survey chart:

282 (12343), 1:40,000, dated November 1975.

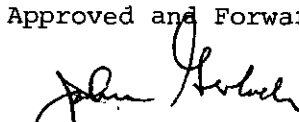
Items to be applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by:


J. Massey

Approved and Forwarded:


J. Gerlach
Chief, Cartometric Section

FINAL REVIEW REPORT
CM-7403

Shoreline Survey TP-00861

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. thru 64. Inapplicable.

65. Comparison with Nautical Charts

This map was compared with chart:

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

66. Adequacy of Results and Future Surveys

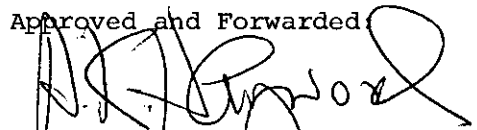
This map meets the National Standards of Map Accuracy and complies with Bureau requirements.

Submitted by:



J. B. Phillips
Cartographer

Approved and Forwarded:



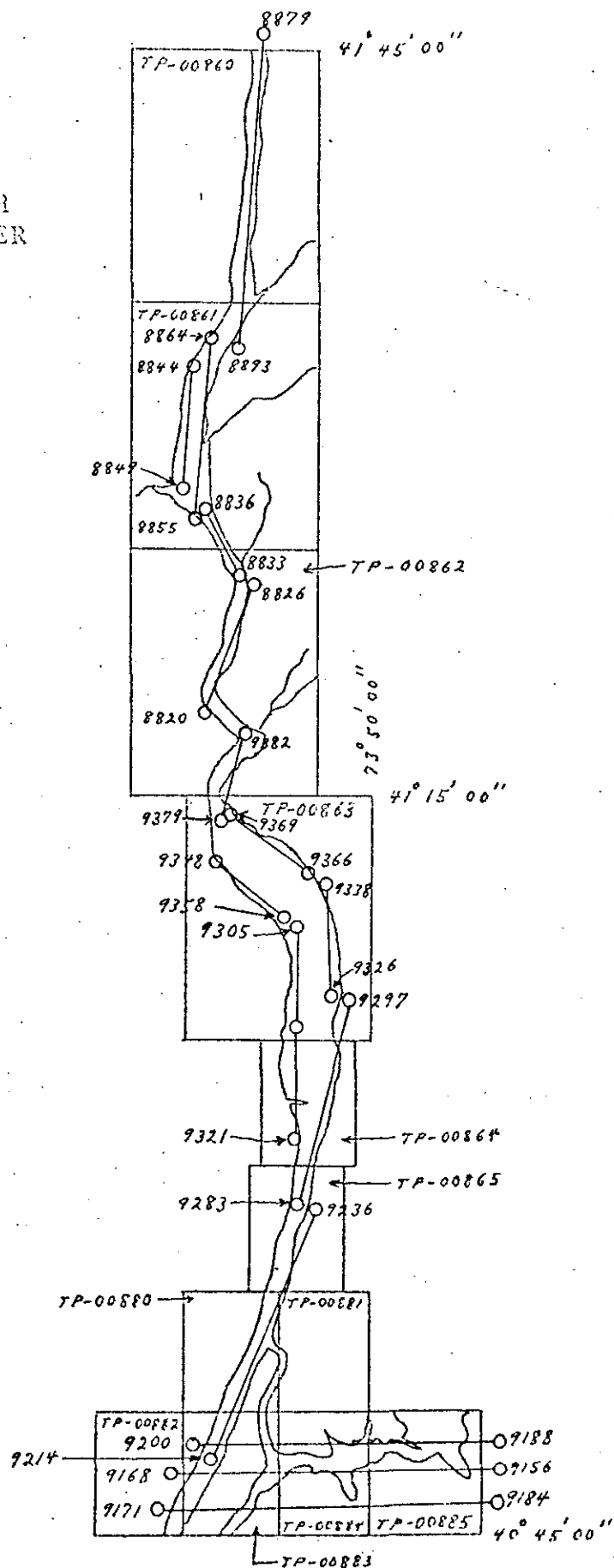
Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

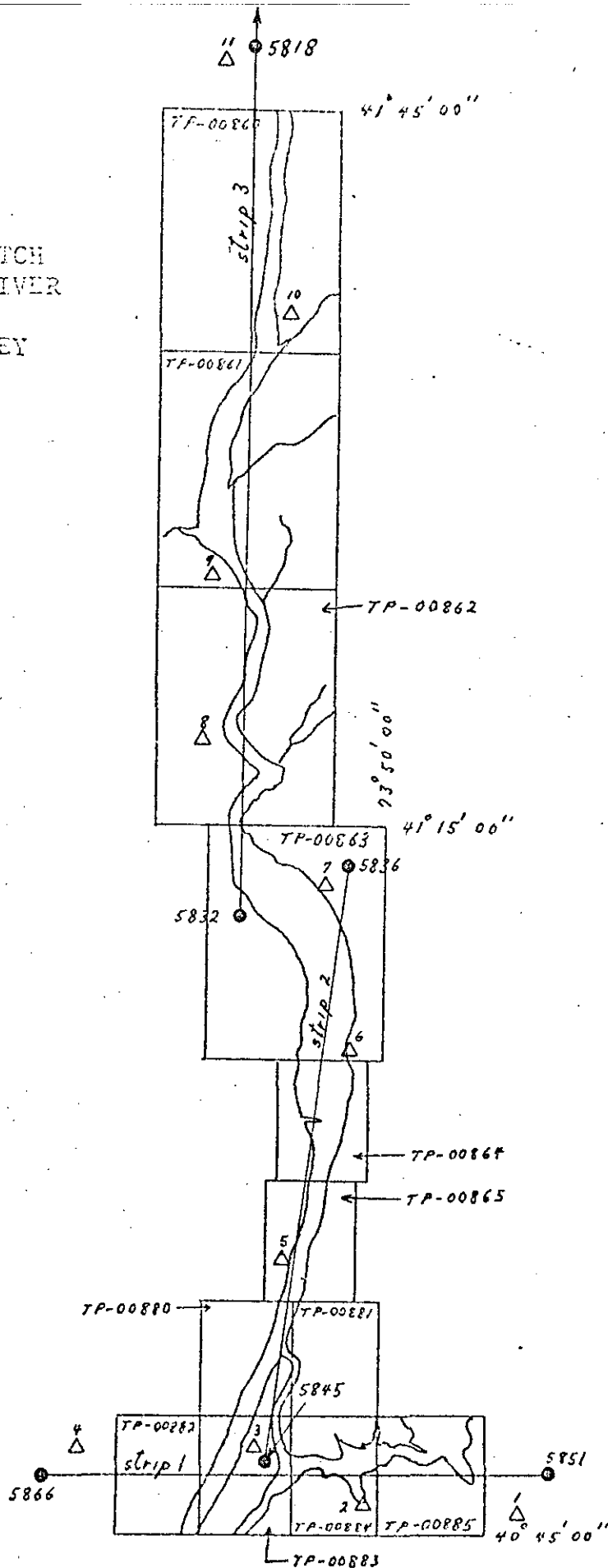
AEROTRIANGULATION SKETCH
EAST RIVER & HUDSON RIVER
TO POUGHKEEPSIE
NEW YORK & NEW JERSEY
CM-7403
October, 1975

RATIO PHOTOGRAPHY
075E(c) 1:20000



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

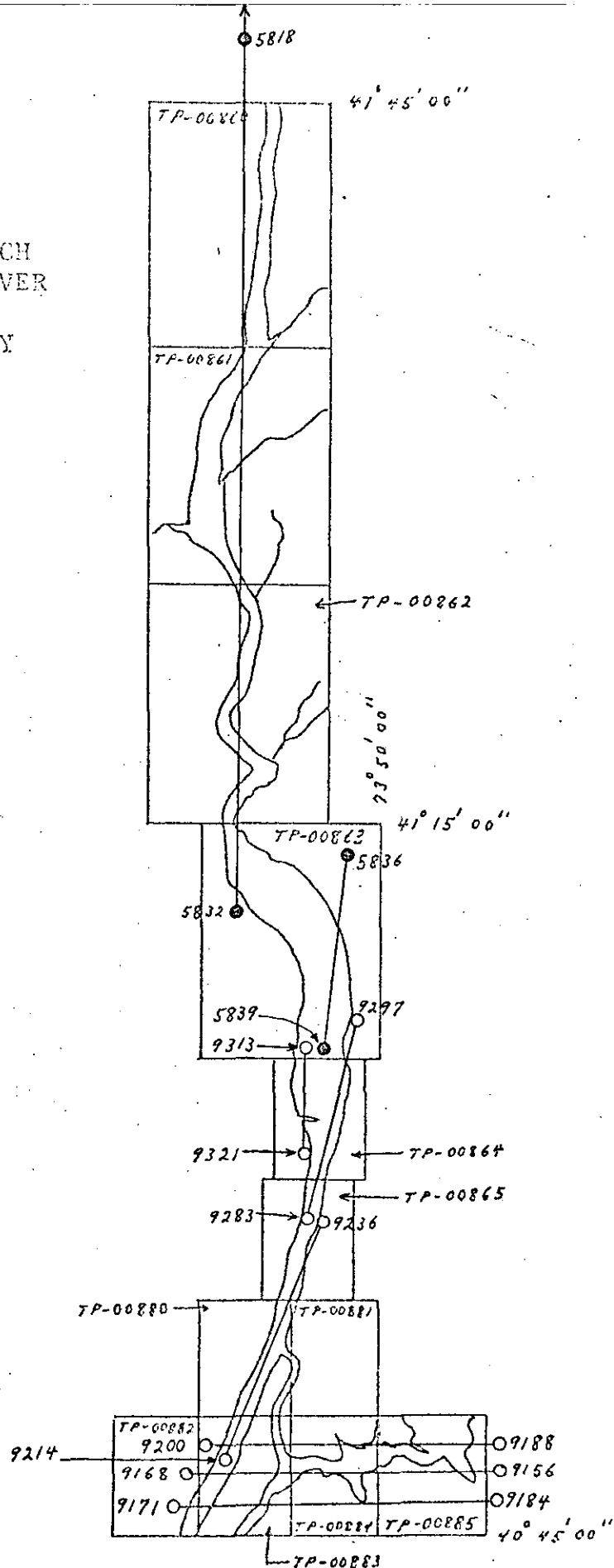
BRIDGING PHOTOGRAPHY
 • 75C(c) 1:60000



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



COMPILATION REPORT
SHORELINE SURVEY

TP-00861

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 stereoscopically using 1:60,000 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 stereomodels 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 problems, photography was adequate.

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LISTING

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

DATATAB
VERSION
770818

* SVY TP-00861 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 4 *
* JOB CM-7403 * NONFLOATING AIDS FOR CHARTS * STATE NEW YORK *
* PRJ HUDSON R. * TO BE REVISED * LOCALITY BEACON *ORIGINATING ACTIVITY*
* DTM NA 1927 * * DATE 07/29/77 * COMPILEATION *

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

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

NEW YORK HARBOR				
LOWER HUDSON RIVER				

-LIGHT * (POLLEPEL ISLAND LIGHT, 1933)	41 27 18.33	565.5	NOT * 75C5826	
38 *	73 59 29.57	686.3	DGTZD* 05/08/75	282

LIGHT * NEWBURGH SOUTHERLY DOLPHIN	41 28 17.47	539.0	* 75C5826	
* LIGHT	74 00 39.21	909.8	* 05/08/75	282

LIGHT * NEWBURGH NORTHERLY DOLPHIN	41 28 24.82	765.7	* 75C5826	
* LIGHT	74 00 37.62	872.9	* 05/08/75	282

HORN * NEWBURGH-BEACON BRIDGE FOG	00 00 00.00	0.0	NOT *UNVERIFIED*	
* SIGNAL	00 00 00.00	0.0	DGTZD*	282

AERO * (MOUNT BEACON BEACON, 1938)	41 29 19.17	591.4	NOT * 75C5826	
R. W+R *	73 56 53.15	1233.0	DGTZD* 05/08/75	282

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
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POSITIONS DETERMINED	NO FIELD EDIT-CLASS 111 MAP	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	J. MASSEY	OFFICE COMPILER
FIELD AND OFFICE	J. MASSEY	DIGITIZER
ACTIVITIES	J. MASSEY	DATA PROCESSOR

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LISTING

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

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* SVY TP-00861 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 2 OF 4 *
* JOB CM-7403 * LANDMARKS FOR CHARTS * STATE NEW YORK *
* PRJ HUDSON R. * TO BE REVISED * LOCALITY BEACON * ORIGINATING ACTIVITY *
* DTM NA 1927 * * DATE 07/29/77 * COMPILATION *

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

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

TOWER	(LIGHT DANSKAMMER, 1933)	41 34 25.49	786.4	NOT	75C5825	283
		73 57 49.48	1146.3	DGTZD	05/08/75	282
STACK		41 34 23.88	736.7		75C5825	283
		73 57 54.59	1264.7		05/08/75	282
STACK		41 34 21.88	675.0		75C5825	283
		73 57 55.85	1293.9		05/08/75	282
STACK	(CASTLE POINT U.S. VETERANS	41 32 44.70	1379.0	NOT	75C5825	
	HOSP POWERHOUSE STACK, 1933)	73 58 25.56	592.4	DGTZD	05/08/75	282
TANK	(CASTLE POINT U.S. VETERANS	41 32 45.26	1396.3	NOT	75C5825	
	HOSP SILVER TANK, 1933)	73 57 45.53	1055.3	DGTZD	05/08/75	282
STACK		41 31 53.97	1665.0		75C5825	
		73 58 48.11	1115.3		05/08/75	282
CROSS	NEWBURGH MT. SAINT MARYS	41 30 39.37	1214.6	NOT	75C5826	
	ACADEMY CROSS, 1933)	74 00 50.89	1180.1	DGTZD	05/08/75	282
SPIRE		41 30 15.09	465.5		75C5826	
		74 00 40.63	942.3		05/08/75	282
TOWER		41 30 07.65	236.0		75C5826	
		74 00 32.35	750.3		05/08/75	282
SPIRE	(NEWBURGH SAINT PATRICKS	41 30 03.84	118.5	NOT	75C5826	
	CATHOLIC CHURCH SPIRE, 1933)	74 00 36.74	852.1	DGTZD	05/08/75	282

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED	NO FIELD EDIT-CLASS 111 MAP	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	J. MASSEY	OFFICE COMPILER
FIELD AND OFFICE	J. MASSEY	DIGITIZER
ACTIVITIES	J. MASSEY	DATA PROCESSOR

76-40
LISTING

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

DATATAB
VERSION
770818

* SVY TP-00861 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 3 OF 4 *
* JOB CM-7403 * LANDMARKS FOR CHARTS * STATE NEW YORK *
* PRJ HUDSON R. * TO BE REVISED * LOCALITY BEACON * ORIGINATING ACTIVITY *
* DTM NA 1927 * * DATE 07/29/77 * COMPILATION *

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

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

* SPIRE * (BEACON DUTCH REFORMED CHURCH * 41 30 22.58 696.6 NOT * 75C5826 *
* SPIRE, 1933) * 73 58 51.21 1187.7 DGTZD* 05/08/75 * 282 *

* STACK * (NEWBURGH SHIPYARD STACK, * 41 28 57.07 1760.6 NOT * 75C5826 *
* 1933) * 74 00 41.41 960.7 DGTZD* 05/08/75 * 282 *

* GAS TK * (NEWBURGH SOUTHERLY OF LARGE * 41 28 21.43 661.1 NOT * 75C5826 *
* N OF 3 * GAS TANKS, 1933) * 74 00 50.72 1176.9 DGTZD* 05/08/75 * 282 *

* * THIS LANDMARK IS NOW THE NORTHERLY OF THREE LARGE GAS TANKS *
* * * *

* TANK * (CORNWALL ON THE HUDSON CORN- * 41 27 05.56 171.5 NOT * 75C5826 *
* WALL PRESS WATER TANK, 1933) * 74 01 03.89 90.3 DGTZD* 05/08/75 * 282 *

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

* TANK * (MATTEWAN STATE HOSPITAL FOR * 41 31 31.83 982.0 NOT *
* CRIMINALLY INSANE TANK, 1933) * 73 56 48.00 1112.9 DGTZD* * 282 *

* VENTI- * (LILE STONY PT HUDSON R STONE * 41 25 42.90 1323.5 NOT *
* LATOR * CORP CRUSH HOUSE W VENT, 1933) * 73 57 50.61 1175.1 DGTZD* * 282 *

* * * *
* * * *

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

76-40
LISTING

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

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770818

* SVY TP-00861 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 4 OF 4 *
* JOB CM-7403 * LANDMARKS FOR CHARTS * STATE NEW YORK *
* PRJ HUDSON R. * TO BE REVISED * LOCALITY BEACON *ORIGINATING ACTIVITY*
* DTM NA 1927 * * DATE 07/29/77 * COMPILATION *

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

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

* * CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY *
* * APPROXIMATE POSITION(S) SCALED FROM EXISTING CHART * *

* SPIRE * * 41 30 25.00 771.3 NOT * *
* * * 74 00 31.00 718.9 DGTZD* * 282 *

* RADIO * POSITION APPROXIMATE ON CHART * 41 29 36.00 1110.6 NOT *
* TOWER * * 73 58 34.00 788.7 DGTZD* * 282 *

* * CHARTED LDMK(S) UNIDENTIFIABLE ON COMPILATION PHOTOGRAPHY *
* * *

* FLAG- * (NEWBURGH WASHINGTON WINTER * 41 29 51.29 1582.3 NOT *
* POLE * QUARTERS FLAGPOLE, 1933) * 74 00 34.97 811.1 DGTZD* * 282 *

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* TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *

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* POSITIONS DETERMINED * NO FIELD EDIT-CLASS 111 MAP * FIELD REPRESENTATIVE *

* AND/OR VERIFIED BY * J. MASSEY * OFFICE COMPILER *

* FIELD AND OFFICE * J. MASSEY * DIGITIZER *

* ACTIVITIES * J. MASSEY * DATA PROCESSER *

