

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<br>(3-72)                                                                                                                                                                              |  | U. S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.                                                                                    |         |
| <b>DESCRIPTIVE REPORT - DATA RECORD</b>                                                                                                                                                                 |  | TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED                               |         |
|                                                                                                                                                                                                         |  | SURVEY TP. <u>00861</u><br>MAP EDITION NO. ( )<br>MAP CLASS <u>III</u><br>JOB <u>KK-CM-7403</u>                                                            |         |
| PHOTOGRAMMETRIC OFFICE<br>Cartometric Section<br>Rockville, Maryland                                                                                                                                    |  | LAST PRECEDING MAP EDITION<br>TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED |         |
| OFFICER-IN-CHARGE<br><br>Commander James Collins                                                                                                                                                        |  | JOB PH- _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__                                                                                          |         |
| <b>I. INSTRUCTIONS DATED</b>                                                                                                                                                                            |  |                                                                                                                                                            |         |
| <b>1. OFFICE</b>                                                                                                                                                                                        |  | <b>2. FIELD</b>                                                                                                                                            |         |
| Aerotriangulation - Sept. 3, 1975<br>Compilation - Oct. 21, 1975                                                                                                                                        |  | April 2, 1975<br>Apr. 15, 1975 - Supplement I                                                                                                              |         |
| <b>II. DATUMS</b>                                                                                                                                                                                       |  |                                                                                                                                                            |         |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN                                                                                                                                  |  | OTHER (Specify)                                                                                                                                            |         |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER<br><input type="checkbox"/> MEAN LOW-WATER<br><input type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL |  | OTHER (Specify)                                                                                                                                            |         |
| 3. MAP PROJECTION<br><br>Traverse Mercator                                                                                                                                                              |  | 4. GRID(S)<br>STATE New York ZONE East                                                                                                                     |         |
| 5. SCALE<br>1:20,000                                                                                                                                                                                    |  | STATE ZONE                                                                                                                                                 |         |
| <b>III. HISTORY OF OFFICE OPERATIONS</b>                                                                                                                                                                |  |                                                                                                                                                            |         |
| OPERATIONS                                                                                                                                                                                              |  | NAME                                                                                                                                                       | DATE    |
| 1. AEROTRIANGULATION BY<br>METHOD: Analytic LANDMARKS AND AIDS BY                                                                                                                                       |  | Don O. Norman                                                                                                                                              | Oct. 75 |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: Coradi CHECKED BY                                                                                                                                    |  | L. Harrod                                                                                                                                                  | Mar. 76 |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION CHECKED BY                                                                                                                                      |  | J. Massey                                                                                                                                                  | Nov. 76 |
| INSTRUMENT: Wild B-8 Stereoplotter<br>SCALE: 1:20,000                                                                                                                                                   |  | J. Gerlach                                                                                                                                                 | Nov. 76 |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>CHECKED BY                                                                                                                                                   |  | N/A                                                                                                                                                        | N/A     |
| METHOD: Inked from B-8 Worksheet<br>SCALE: 1:20,000                                                                                                                                                     |  | J. Massey                                                                                                                                                  | Jan. 77 |
| HYDRO SUPPORT DATA BY<br>CHECKED BY                                                                                                                                                                     |  | T. Gerlach                                                                                                                                                 | Jan. 77 |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY                                                                                                                                                             |  | N/A                                                                                                                                                        | N/A     |
| 6. APPLICATION OF FIELD EDIT DATA BY<br>CHECKED BY                                                                                                                                                      |  | Field edit postponed                                                                                                                                       | Nov. 76 |
| 7. COMPILATION SECTION REVIEW BY                                                                                                                                                                        |  | N/A                                                                                                                                                        | N/A     |
| 8. FINAL REVIEW BY                                                                                                                                                                                      |  | J. B. Phillips                                                                                                                                             | Apr. 77 |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                          |  | N/A                                                                                                                                                        | N/A     |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                          |  | N/A                                                                                                                                                        | N/A     |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY                                                                                                                                                          |  | R.T. Cater                                                                                                                                                 | Oct. 77 |

TP-00861

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|                                                                                                                                                                                           |                                                                                 |                                 |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------|
| CAMERA(S)<br>C, F=88.47 mm                                                                                                                                                                | TYPES OF PHOTOGRAPHY<br>LEGEND<br>(C) COLOR<br>(P) PANCHROMATIC<br>(I) INFRARED | TIME REFERENCE                  |                                                                                   |
| TIDE STAGE REFERENCE<br><input checked="" type="checkbox"/> PREDICTED TIDES<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |                                                                                 | ZONE<br>5th<br>MERIDIAN<br>75th | <input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> 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<br>ESTABLISHED BY<br>PRE-MARKED OR IDENTIFIED BY                                                                                                      |               |
|                                     | R. D. Wells                                                                                                                                                        | Apr. 18, 1975 |
| 3. VERTICAL CONTROL                 | RECOVERED BY<br>ESTABLISHED BY<br>PRE-MARKED OR IDENTIFIED BY                                                                                                      |               |
|                                     | None                                                                                                                                                               |               |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY<br>LOCATED (Field Methods) BY<br>IDENTIFIED BY                                                                               |               |
|                                     | None                                                                                                                                                               |               |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><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

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&amp;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<br>Class III Manuscript | 10-3-77                   |               |
|                                    |           |                                              |                           |               |

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER<br>NUMBER ASSIGNED | DATE<br>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<br>EDITION | SURVEY NUMBER<br>TP - _____ (2) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br><br>MAP CLASS<br><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<br>EDITION  | SURVEY NUMBER<br>TP - _____ (3) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br><br>MAP CLASS<br><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<br>EDITION | SURVEY NUMBER<br>TP - _____ (4) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br><br>MAP CLASS<br><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 1:20,000 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**

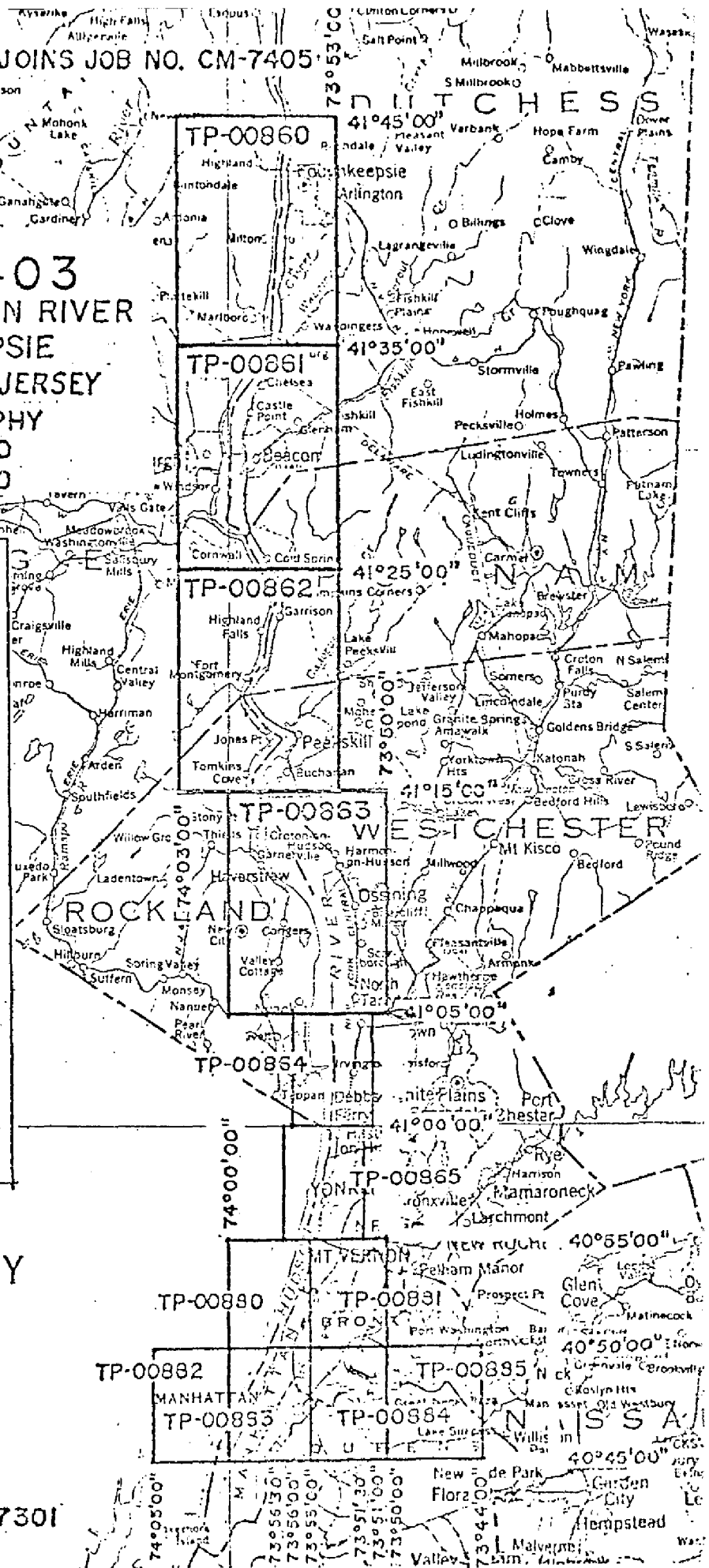
**Official Mileage for Cost Accounts**

| 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         |
| <b>TOTAL</b> | <b>93</b> |

**J E R S E Y**

REVISED 8-12-74 RWW  
 2-25-75 RMB.

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

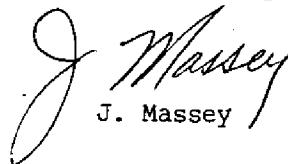
Comparison was made with the following National Ocean Survey chart:

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

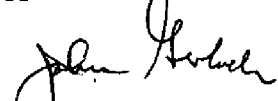
Items to be applied to Nautical Charts Immediately - None

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

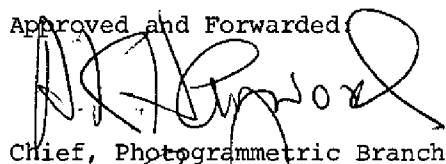
This map meets the National Standards of Map Accuracy and complies with Bureau requirements.

Submitted by:



J. B. Phillips  
Cartographer

Approved and Forwarded:

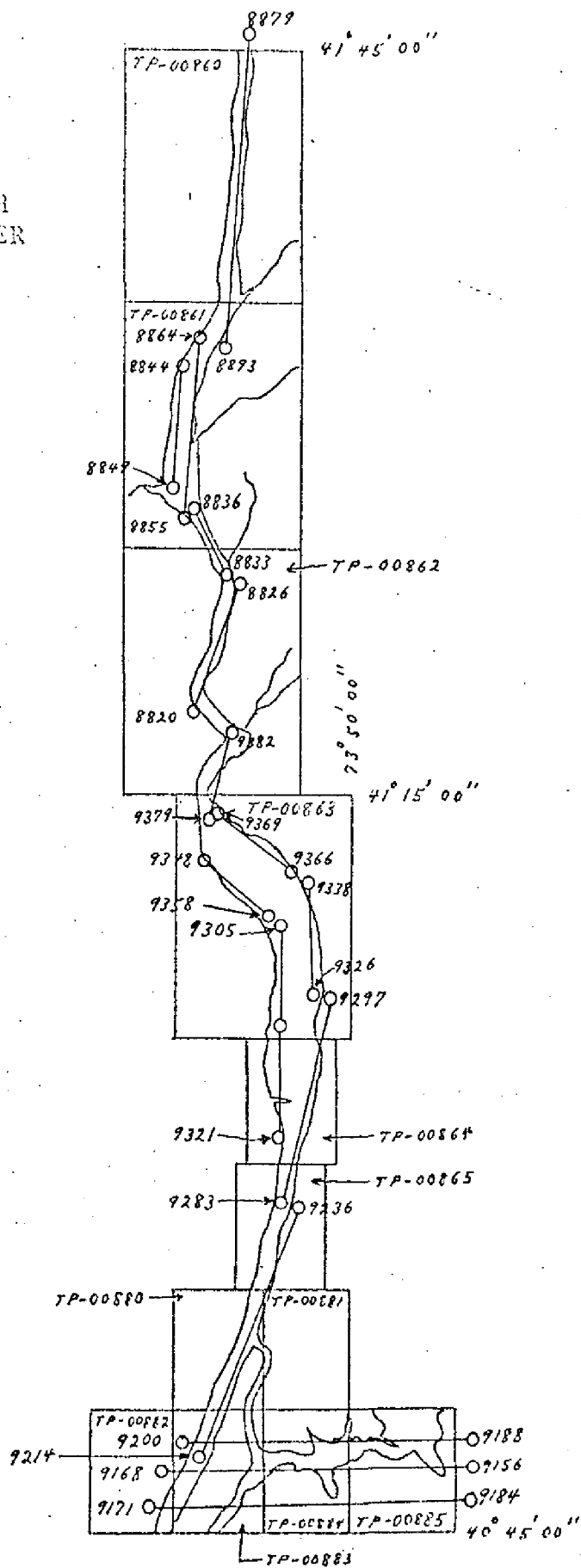


Chief, Photogrammetric Branch



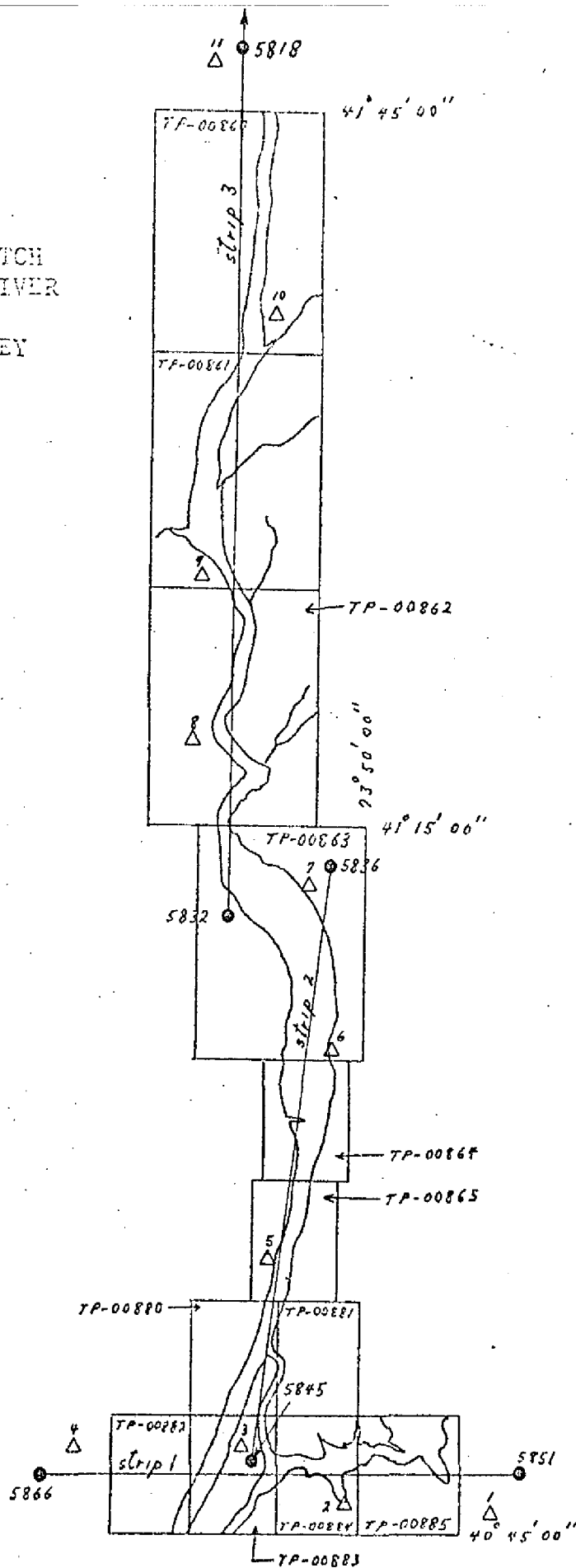
Chief, Coastal Mapping Division

RATIO PHOTOGRAPHY  
O 75E(c) 1:20000



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

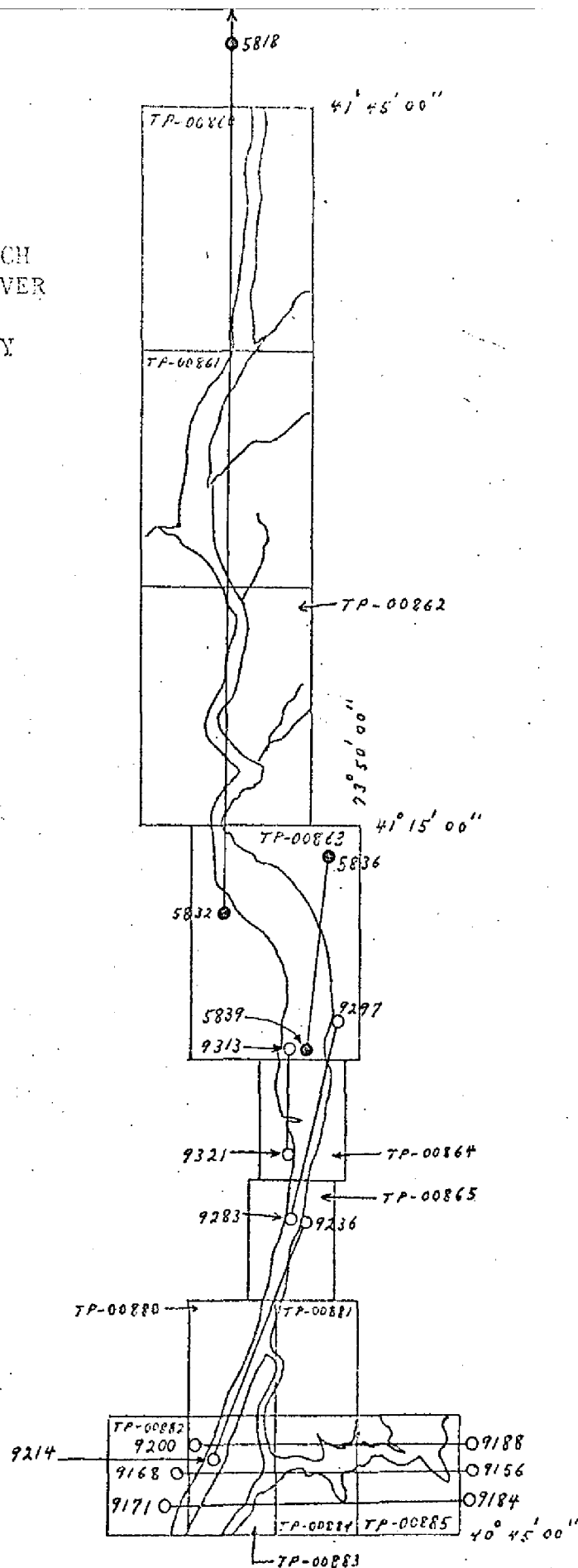
BRIDGING PHOTOGRAPHY  
 75C(c) 1:60000



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.

|                  |                                                    |                                                 |             |                              |
|------------------|----------------------------------------------------|-------------------------------------------------|-------------|------------------------------|
| 76-40<br>LISTING | PHOTOGRAMMETRIC BRANCH<br>COASTAL MAPPING DIVISION | NATIONAL OCEAN SURVEY<br>DEPARTMENT OF COMMERCE | NOAA<br>USA | DATATAB<br>VERSION<br>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 *               | * COMPILATION *        |

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

| * DESCRIPTION *                           | * POSITION *     | * CMD *  | * METHOD AND DATE * | * CHARTS * |
|-------------------------------------------|------------------|----------|---------------------|------------|
| *CHARTING* RECORD REASON FOR DELETION *   | * LATITUDE DM *  | * ALTEK* | * OF LOCATION *     |            |
| * 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 * |

|     |  |  |  |  |
|-----|--|--|--|--|
| * * |  |  |  |  |
| * * |  |  |  |  |

|     |  |  |  |  |
|-----|--|--|--|--|
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| * 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

NATIONAL OCEAN SURVEY NOAA  
DEPARTMENT OF COMMERCE USA

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770818

\* 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 *     | * CHARTS *   |
| * NAME * PUT TRIANGULATION NAMES IN ( ) * | * LONGITUDE DP * | * DGTZD * | * OFFICE * FIELD *  | * AFFECTED * |

|                                    |               |        |         |            |         |
|------------------------------------|---------------|--------|---------|------------|---------|
| * 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 PROCESSER *       |

76-40  
LISTING

PHOTOGRAMMETRIC BRANCH  
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA  
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\* 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 * | * CHARTS *  |
|-------------------------------------------|------------------|------------|---------------------|-------------|
| * 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- * (LTLE 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   | PHOTOGRAMMETRIC BRANCH   | NATIONAL OCEAN SURVEY  | NOAA | DATATAB |
| LISTING | COASTAL MAPPING DIVISION | DEPARTMENT OF COMMERCE | USA  | VERSION |
|         |                          |                        |      | 770818  |

|                   |                                 |                        |
|-------------------|---------------------------------|------------------------|
| * SVY TP-00861 *  | * RPT UNIT CMD ROCKVILLE, MD. * | * PAGE 4 OF 4 *        |
| * JOB CM-7403 *   | * STATE NEW YORK *              |                        |
| * PRJ HUDSON R. * | * 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 *     |            |
| * 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 * |

|                          |                                    |                          |
|--------------------------|------------------------------------|--------------------------|
| * 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 *       |

