

TP-00743

TP-00743

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey ... Chart Compilation .....

Job No. CM-7301 ..... Map No. TP-00743 .....

Classification No. III ..... Edition No. 1 .....

## LOCALITY

State ... New Jersey-New York .....

General Locality ... Hudson Co., N.J.-Richmond Co., N.Y. ....

Locality ... Kill Van Kull .....

19 74 TO 19 75

## REGISTRY IN ARCHIVES

DATE .....

|                                                                                                                                                                                                                    |  |                                                                         |  |                                                                                                                                                                                                                          |  |                                                                         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|
| NOAA FORM 76-36A<br>(3-72)                                                                                                                                                                                         |  | U. S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. |  | TYPE OF SURVEY<br><input checked="" type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED                                                                                  |  | SURVEY TP. 00743<br>MAP EDITION NO. (1)<br>MAP CLASS III<br>JOB CM-7301 |  |
| DESCRIPTIVE REPORT - DATA RECORD                                                                                                                                                                                   |  |                                                                         |  | LAST PRECEDING MAP EDITION                                                                                                                                                                                               |  |                                                                         |  |
|                                                                                                                                                                                                                    |  |                                                                         |  | TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED                                                                                             |  | JOB PH. _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__       |  |
| PHOTOGRAMMETRIC OFFICE<br><br>Coastal Mapping Division -Rockville, Md.<br>OFFICER-IN-CHARGE<br><br>Commander James Collins                                                                                         |  |                                                                         |  |                                                                                                                                                                                                                          |  |                                                                         |  |
| I. INSTRUCTIONS DATED                                                                                                                                                                                              |  |                                                                         |  |                                                                                                                                                                                                                          |  |                                                                         |  |
| I. OFFICE<br>Instructions-AEROTRIANGULATION-3/27/75<br>Instructions-OFFICE-8/7/75                                                                                                                                  |  |                                                                         |  | 2. FIELD<br>Instructions-FIELD-1/23/74<br>Instructions-FIELD-Amendment II - 8/12/74<br>Instructions-FIELD-Supplement I-4/16/75<br>Instructions-FIELD-Supplement II - 10/6/75<br>Instructions-FIELD-Amendment 1 - 2/27/74 |  |                                                                         |  |
| II. DATUMS                                                                                                                                                                                                         |  |                                                                         |  |                                                                                                                                                                                                                          |  |                                                                         |  |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN                                                                                                                                             |  |                                                                         |  | OTHER (Specify)                                                                                                                                                                                                          |  |                                                                         |  |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER<br><input checked="" type="checkbox"/> MEAN LOW-WATER<br><input type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL |  |                                                                         |  | OTHER (Specify)<br>National Geodetic Vertical Datum of 1929                                                                                                                                                              |  |                                                                         |  |
| 3. MAP PROJECTION<br>Transverse Mercator                                                                                                                                                                           |  |                                                                         |  | 4. GRID(S)<br>STATE New York ZONE East                                                                                                                                                                                   |  |                                                                         |  |
| 5. SCALE<br>1:10,000                                                                                                                                                                                               |  |                                                                         |  | STATE ZONE                                                                                                                                                                                                               |  |                                                                         |  |
| III. HISTORY OF OFFICE OPERATIONS                                                                                                                                                                                  |  |                                                                         |  |                                                                                                                                                                                                                          |  |                                                                         |  |
| OPERATIONS                                                                                                                                                                                                         |  |                                                                         |  | NAME                                                                                                                                                                                                                     |  | DATE                                                                    |  |
| 1. AEROTRIANGULATION<br>METHOD: Analytic LANDMARKS AND AIDS BY                                                                                                                                                     |  |                                                                         |  | I. Raborn                                                                                                                                                                                                                |  | 8/75                                                                    |  |
|                                                                                                                                                                                                                    |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 2. CONTROL AND BRIDGE POINTS<br>METHOD: Coradomat PLOTTED BY                                                                                                                                                       |  |                                                                         |  | S. Solbeck                                                                                                                                                                                                               |  | 9/75                                                                    |  |
|                                                                                                                                                                                                                    |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 3. STEREOSCOPIC INSTRUMENT<br>COMPIATION PLANIMETRY BY                                                                                                                                                             |  |                                                                         |  | G. Vanderhaven                                                                                                                                                                                                           |  | 2/76                                                                    |  |
| INSTRUMENT: B-8 CHECKED BY                                                                                                                                                                                         |  |                                                                         |  | G. Fromm                                                                                                                                                                                                                 |  | 2/76                                                                    |  |
| SCALE: 1:15,000 CHECKED BY                                                                                                                                                                                         |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY                                                                                                                                                                            |  |                                                                         |  | K. Baker                                                                                                                                                                                                                 |  | 7/76                                                                    |  |
|                                                                                                                                                                                                                    |  |                                                                         |  | G. Vanderhaven                                                                                                                                                                                                           |  | 7/76                                                                    |  |
| METHOD: Smooth Drafting CHECKED BY                                                                                                                                                                                 |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| SCALE: 1:10,000 HYDRO SUPPORT DATA BY                                                                                                                                                                              |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
|                                                                                                                                                                                                                    |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY                                                                                                                                                                        |  |                                                                         |  | G. Fromm                                                                                                                                                                                                                 |  | 10/14/76                                                                |  |
|                                                                                                                                                                                                                    |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 6. APPLICATION OF FIELD EDIT DATA CHECKED BY                                                                                                                                                                       |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 7. COMPIATION SECTION REVIEW BY                                                                                                                                                                                    |  |                                                                         |  | G. Fromm                                                                                                                                                                                                                 |  | 10/14/76                                                                |  |
| 8. FINAL REVIEW BY                                                                                                                                                                                                 |  |                                                                         |  | E. L. Rolle                                                                                                                                                                                                              |  | Jan. 1978                                                               |  |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                     |  |                                                                         |  | N/A                                                                                                                                                                                                                      |  |                                                                         |  |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                     |  |                                                                         |  | E. L. Rolle                                                                                                                                                                                                              |  | Jan. 1978                                                               |  |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY                                                                                                                                                                     |  |                                                                         |  | R.T. Cater                                                                                                                                                                                                               |  | May 1978                                                                |  |

TP-00743  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|                                                                                                                                                                              |          |                                                   |          |                                           |                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------|----------|-------------------------------------------|-----------------------------------------------------------------------------------|
| CAMERA(S) RC-8(E) RC-10(B)<br>Focal Lengths (152.7mm)                                                                                                                        |          | TYPES OF PHOTOGRAPHY<br>LEGEND                    |          | TIME REFERENCE                            |                                                                                   |
| TIDE STAGE REFERENCE                                                                                                                                                         |          | (C) COLOR<br>(P) PANCHROMATIC<br>(I) INFRARED B&W |          | ZONE                                      | <input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> DAYLIGHT |
| <input checked="" type="checkbox"/> PREDICTED TIDES<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |          |                                                   |          | Eastern                                   |                                                                                   |
|                                                                                                                                                                              |          |                                                   |          | MERIDIAN                                  |                                                                                   |
|                                                                                                                                                                              |          |                                                   |          | 75th                                      |                                                                                   |
| NUMBER AND TYPE                                                                                                                                                              | DATE     | TIME                                              | SCALE    | STAGE OF TIDE                             |                                                                                   |
| 74E(C) 7088-7091                                                                                                                                                             | 10/19/74 | 1156-1206                                         | 1:30,000 | * +.23 Ft. 1 MHW                          |                                                                                   |
| 74E(C) 7135-7137                                                                                                                                                             | 10/19/74 | 1215-1222                                         | 1:30,000 | * +.31 Ft. 1 MHW                          |                                                                                   |
| 75B5961R-5962R(I)                                                                                                                                                            | 10/3/75  | 1152-1156                                         | 1:30,000 | Refer to following page<br>for tide data. |                                                                                   |
| 75B5974R-5976R(I)                                                                                                                                                            | 10/3/75  | 1204-1212                                         | 1:30,000 |                                           |                                                                                   |

## REMARKS

\* Computation from Predicted Tide Tables.

All of the above photography was ratioed to 1:10,000.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line <sup>is</sup> ~~was~~ the natural color photography listed under Item I.

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

The source of the mean low water line was ratioed prints of the black-and-white, tide-coordinated infrared photography listed under Item I.

## 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-00739 ✓ | TP-00744 ✓ | TP-00751 ✓ | TP-00742 ✓ |

## REMARKS

## TIDE -- COORDINATED PHOTOGRAPHY

TP - 00743

| LOCATION AND PHOTOGRAPHY                                                                         | TIDE STATIONS<br>(In operation at time of photography) | STAGE OF TIDE<br>in feet | MEAN RANGE<br>in feet |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------|-----------------------|
|                                                                                                  | THE BATTERY<br>(Reference Station)                     |                          | 4.5                   |
| 75B5961R-5962R<br>(Kill Van Kull<br>Upper Bay)                                                   | New Brighton<br>(Sub.Sta.)                             | -.74 MLW                 | 4.5                   |
| 75B5974R-5976R<br>(Kill Van Kull<br>Newark Bay)                                                  | Bergen Point<br>(Sub.Sta.)                             | -.70 MLW                 | 4.6                   |
|                                                                                                  | Port Richmond<br>(Sub.Sta.)                            | -.69 MLW                 | 4.5                   |
| <p>NOTE: The reference station(s)<br/>ONLY were in operation at the time<br/>of photography.</p> |                                                        |                          |                       |

## REMARKS:

Water penetration is apparent on the infrared photography. Refer to paragraph 35 of the Compilation Report bound with job.

TP-00743

# HISTORY OF FIELD OPERATIONS.

I. ☒ FIELD ~~RECOVERED~~ OPERATION

☐ FIELD EDIT OPERATION.

| OPERATION                           | NAME                                                 | DATE     |
|-------------------------------------|------------------------------------------------------|----------|
| 1. CHIEF OF FIELD PARTY             | R. S. Tibbetts                                       | Aug 1974 |
| 2. HORIZONTAL CONTROL               | RECOVERED BY R. S. Tibbetts                          | 8/29/74  |
|                                     | ESTABLISHED BY N/A                                   |          |
|                                     | PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts           | 8/29/74  |
| 3. VERTICAL CONTROL                 | RECOVERED BY N/A                                     |          |
|                                     | ESTABLISHED BY N/A                                   |          |
|                                     | PRE-MARKED OR IDENTIFIED BY N/A                      |          |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY N/A            |          |
|                                     | LOCATED (Field Methods) BY N/A                       |          |
|                                     | IDENTIFIED BY N/A                                    |          |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION                                |          |
|                                     | <input type="checkbox"/> COMPLETE                    |          |
|                                     | <input type="checkbox"/> SPECIFIC NAMES ONLY         |          |
|                                     | <input checked="" type="checkbox"/> NO INVESTIGATION | N/A      |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY                          | N/A      |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY                            | N/A      |

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premarked control

2. VERTICAL CONTROL IDENTIFIED

None

| PHOTO NUMBER            | STATION NAME   | PHOTO NUMBER | STATION DESIGNATION |
|-------------------------|----------------|--------------|---------------------|
| 74C(C)883<br>74E(C)6860 | Hospital, 1930 |              |                     |

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
|              |             |              |             |

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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)

1 C & GS form 152 (Control Station Identification Card)

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00743

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

| COMPILATION STAGES                         |           |                                       | DATE MANUSCRIPT FORWARDED |               |
|--------------------------------------------|-----------|---------------------------------------|---------------------------|---------------|
| DATA COMPILED                              | DATE      | REMARKS                               | MARINE CHARTS             | HYDRO SUPPORT |
| Compilation Complete<br>pending field edit | 10/14/76  | Class III Map<br>Field edit postponed | 10/19/76                  |               |
| Final review prior to<br>registration.     | Jan. 1978 | Class III Map.                        | May 1978                  |               |
|                                            |           |                                       |                           |               |
|                                            |           |                                       |                           |               |

## 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                                                                                                                                                                                                                           |
|--------|---------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5      |                                 | Oct. 1977         | Digitized Forms 76-40 were submitted as<br>a final report. The computer cards for these<br>landmarks and aid are in file in the CND<br>Special Projects Section, and will be destroyed<br>5 years after the date of Final Review. |
|        |                                 |                   |                                                                                                                                                                                                                                   |
|        |                                 |                   |                                                                                                                                                                                                                                   |
|        |                                 |                   |                                                                                                                                                                                                                                   |
|        |                                 |                   |                                                                                                                                                                                                                                   |
|        |                                 |                   |                                                                                                                                                                                                                                   |

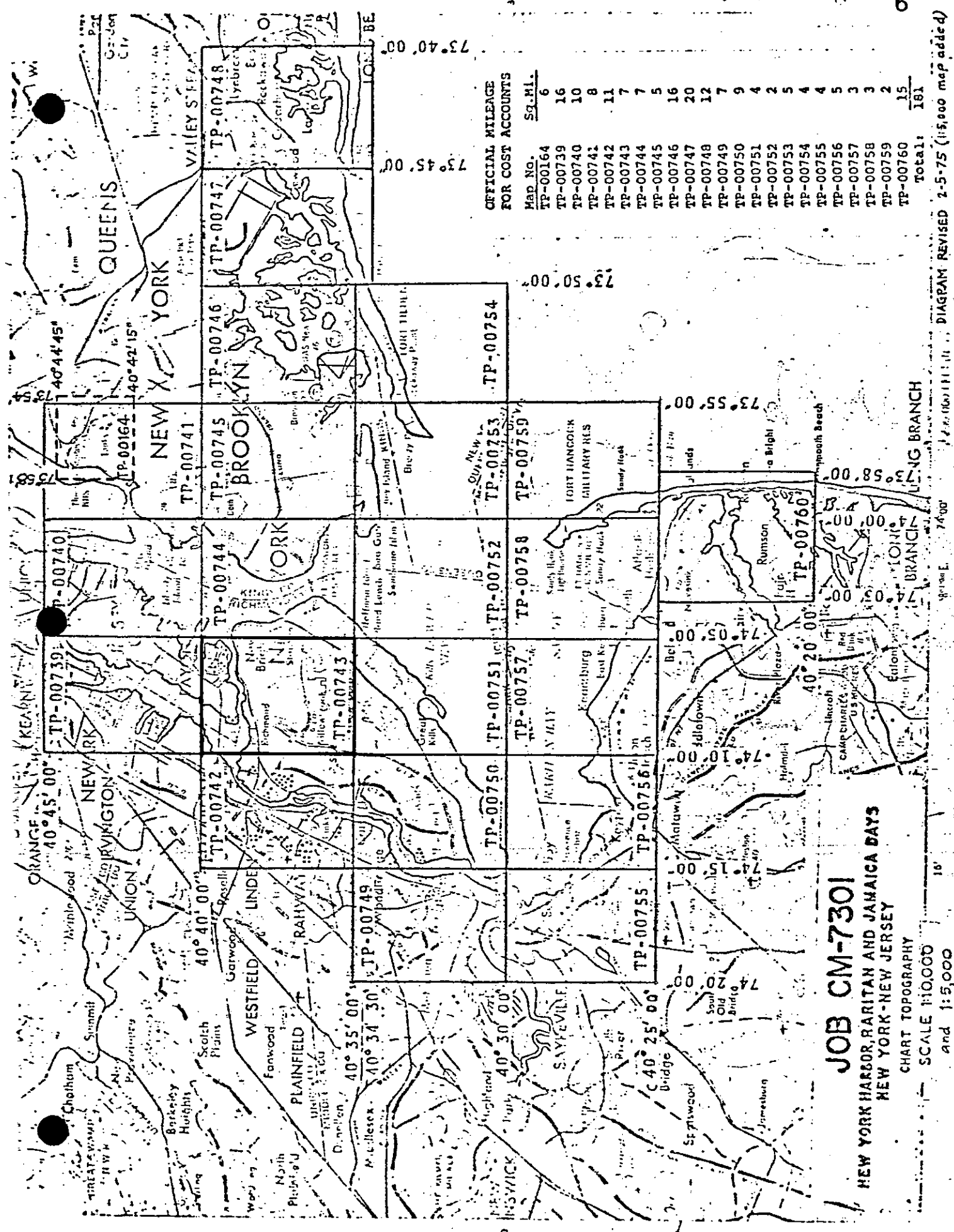
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## 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       |                                                                                                                                                                                                                                                             |



**JOB CM-7301**  
**NEW YORK HARBOR, RARITAN AND JAMAICA BAYS**  
**NEW YORK-NEW JERSEY**  
 CHART TOPOGRAPHY  
 SCALE 1:10,000  
 and 1:5,000

**OFFICIAL MILEAGE FOR COST ACCOUNTS**

| Map No.       | Sq. Mi.    |
|---------------|------------|
| TP-00164      | 6          |
| TP-00739      | 16         |
| TP-00740      | 10         |
| TP-00741      | 8          |
| TP-00742      | 11         |
| TP-00743      | 7          |
| TP-00744      | 7          |
| TP-00745      | 5          |
| TP-00746      | 16         |
| TP-00747      | 20         |
| TP-00748      | 12         |
| TP-00749      | 7          |
| TP-00750      | 9          |
| TP-00751      | 4          |
| TP-00752      | 2          |
| TP-00753      | 5          |
| TP-00754      | 4          |
| TP-00755      | 4          |
| TP-00756      | 5          |
| TP-00757      | 3          |
| TP-00758      | 3          |
| TP-00759      | 2          |
| TP-00760      | 15         |
| <b>Total:</b> | <b>181</b> |

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS  
TP-00739 through TP-00760 and TP-00164

This map is one of twenty-three chart compilation maps that comprise Job CM-7301. Maps TP-00739 through TP-00760 were compiled at 1:10,000 scale and map TP-00164 was compiled at 1:5,000 scale.

The purpose of this job is to provide chart compilation for use in the maintenance and reconstruction of published nautical charts covering the project area.

The project area includes New York Harbor, Raritan Bay, and Jamaica Bay in the states of New Jersey and New York.

Field operations, which began in September 1974, generally consisted of the premarking of control and flying the needed aerial photography.

Aerotriangulation photography was furnished at 1:60,000 scale from natural color film taken in 1974 with the RC-10(C) camera. Color compilation photography was taken in 1974 at 1:30,000 scale and in 1975 at 1:15,000 scale, using the RC-8(E) and RC-10(B) cameras. Supplemental black-and-white infrared, tide-coordinated photography was flown in 1975 at 1:30,000 scale using the RC-10(B) camera.

Five strips of the 1:60,000 scale color photography were bridged using analytic aerotriangulation methods. Thirteen strips of the 1:30,000 scale color compilation photography and two strips of the 1:15,000 scale color compilation photography were also bridged by analytic aerotriangulation procedures.

Compilation photography was the 1:15,000 and 1:30,000 scale color photography and the 1:30,000 scale supplemental infrared photography. The maps were compiled on the Wild B-8 stereoplotter using the natural color photography. Ratioed prints of the black-and-white infrared photography were used graphically to delineate the approximate mean low water line and to supplement the B-8 instrument compilation.

All map line work is smooth compilation drafting.

Field edit data was prepared for each of the twenty-three maps. Field edit was postponed in 1977 after this preparation of data was completed.

Final review of the maps was done by the Quality Control Group of the Photogrammetric Branch. All maps were registered as Class III maps.

A Chart Maintenance Print for each map was forwarded to the Nautical Data Section of the Marine Chart Division.

The following items are registered in the National Ocean Survey Archives:

1. A plastic copy of each map
2. A Descriptive Report for each map

Two 20 cm x 30 cm negatives of each map are on file in the Photo Map and Imagery Information Section of the Photographic Operations Branch.

## FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for aerotriangulation.

CM-7301

July 1975

## 21. Area Covered

The area covered by this report pertains to the shorelines of New York Harbor, Raritan and Jamaica Bays, New York-New Jersey. This area is covered by twenty-two 1:10,000 scale sheets, TP-00739 thru TP-00760 and one 1:5,000 sheet, TP-00164. The 5,000 scale sheet (TP-00164) was not plotted at this time because of the lack of low altitude photo coverage.

## 22. Method

Five strips of 1:60,000 scale color photography were bridged by analytic aerotriangulation methods. The strips were controlled by field identified control paneled in 1974 with office identified control floated as checks. Thirteen strips of 1:30,000 scale color photography were also bridged by analytic aerotriangulation methods. These strips were controlled by field identified control and with common points dropped from the 1:60,000 scale photography. Normally the 1:30,000 scale strips would not be bridged, but, due to the poor definition of photography, this had to be done in order to meet the National Map Accuracy Standards. Ties were made between all bridging strips. Points were located on the 1:30,000 scale photography to determine the ratio scale. Ratios were ordered for the 1:10,000 scale sheets. Data for ruling projections were furnished to the Coradomat to be plotted in the New York East state plane coordinate system. The grids were plotted in zones as indicated per instructions in a letter from the Chief, Coastal Mapping Division, dated March 27, 1975.

## 23. Adequacy of Control

The control was adequate.

## 24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

## 25. Photography

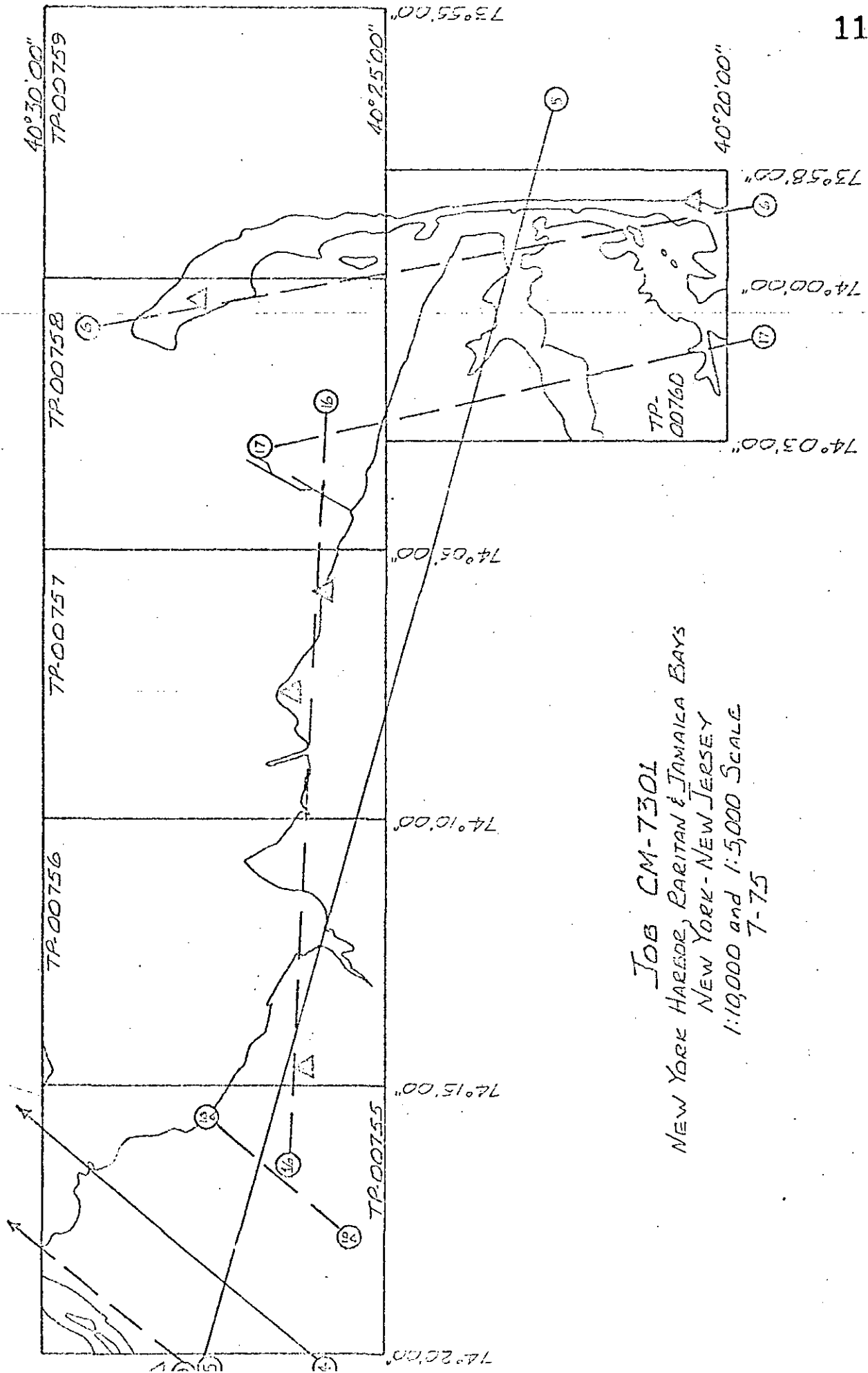
The photography was adequate as to coverage and overlap except for the 1:5,000 scale sheet, TP-00164. This photography has not been taken as of this report. Definition of the photography at all scales was very poor due to haze at time of photography.

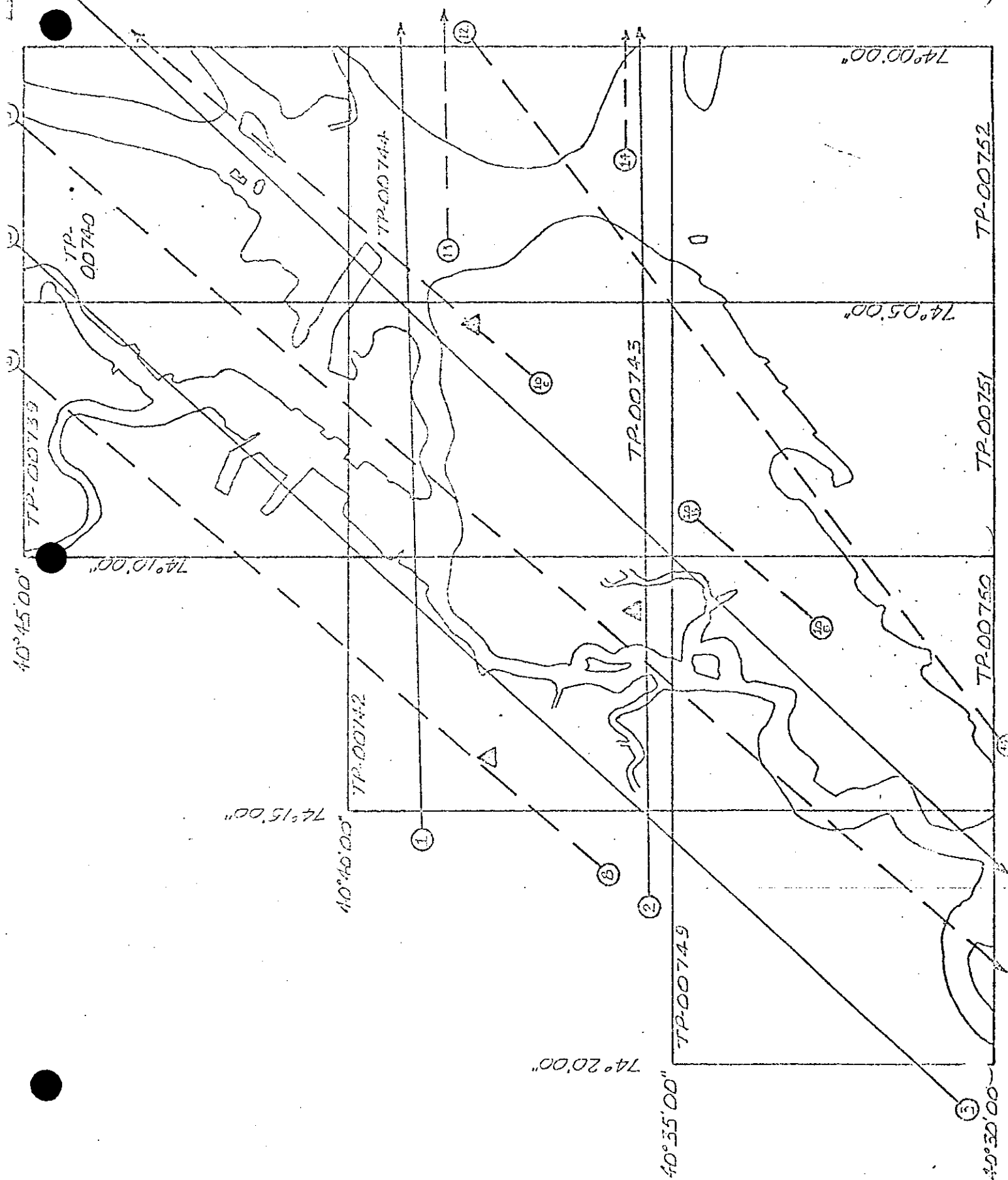
Respectfully submitted,

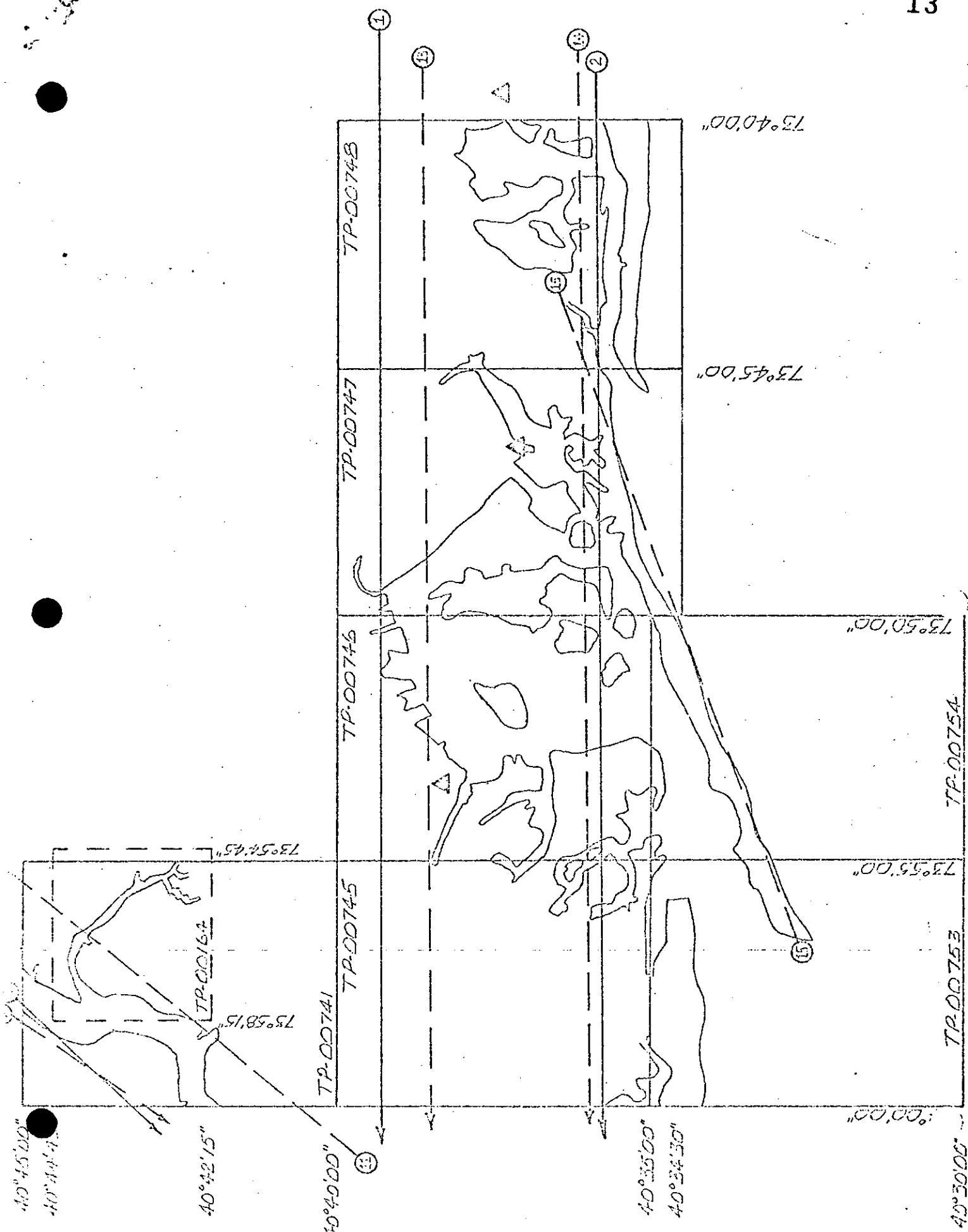
*Ivor O. Raborn*  
Ivor O. Raborn

Approved and forwarded:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section







| Strip No.           | Scale  | Photo Nos.      |
|---------------------|--------|-----------------|
| 1                   | 60,000 | 74C(C)864-874   |
| 2                   | "      | 851-861         |
| 3                   | "      | 74C(C)892-902   |
| 4                   | "      | 877-887         |
| 5                   | "      | 1202-1207       |
| 6                   | 30,000 | 74E(C)6963-6970 |
| No strip numbered 7 |        |                 |
| 8                   | 30,000 | 74E(C)7145-7154 |
| 9                   | "      | 7083-7099       |
| 10A                 | "      | 7125-7127       |
| 10B                 | "      | 7131-7133       |
| 10C                 | "      | 7135-7143       |
| 11                  | "      | 7076-7082       |
| 12                  | "      | 7186-7196       |
| 13                  | "      | 7056-7069       |
| 14                  | "      | 7040-7052       |
| 15                  | "      | 7172-7179       |
| 16                  | "      | 7162-7170       |
| 17                  | "      | 7197-7202       |

## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.          | STATION NAME              | JOB NO.   | GEOGETIC DATUM |      | AEROTRI-<br>ANGULATION<br>POINT<br>NUMBER | COORDINATES IN FEET      |          | GEOGRAPHIC POSITION |   | ORIGINATING ACTIVITY                | REMARKS     |
|------------------|---------------------------|-----------|----------------|------|-------------------------------------------|--------------------------|----------|---------------------|---|-------------------------------------|-------------|
|                  |                           |           | STATE          | ZONE |                                           | φ                        | λ        | φ                   | λ |                                     |             |
| TP-00743         |                           | CM-7301   |                |      |                                           |                          |          |                     |   | Coastal Mapping Div, Rockville, Md. |             |
|                  | HOSPITAL 1930             | NY Vol II |                |      | 871100                                    | X=                       | φ        | 40-38-04.576        |   |                                     |             |
|                  |                           | GP-P.30   |                |      |                                           | Y=                       | λ        | 74-05-17.257        |   |                                     |             |
|                  | NEW BRIGHTON ST PETERS    | NY Vol II |                |      | 2                                         | X=                       | φ        | 40-38-49.472        |   |                                     |             |
|                  | CATH CH TOWER 1930        | GP-P.123  |                |      |                                           | Y=                       | λ        | 74-05-07.434        |   |                                     |             |
|                  | STAPLETON AUGUSTINIAN     | NY Vol II |                |      | 882111                                    | X=                       | φ        | 40-36-53.358        |   |                                     | Not plotted |
|                  | ACADEMY DOME 1930         | GP-P.123  |                |      |                                           | Y=                       | λ        | 74-05-41.412        |   |                                     |             |
|                  | STAPLETON STANDPIPE       | NY Vol II |                |      | 15                                        | X=                       | φ        | 40-37-12.156        |   |                                     |             |
|                  | 1930                      | GP-P.123  |                |      |                                           | Y=                       | λ        | 74-05-26.882        |   |                                     |             |
|                  | SNUG HARBOR SAILORS       | NY Vol II |                |      | 16                                        | X=                       | φ        | 40-38-29.952        |   |                                     | Not plotted |
|                  | HONE TANK 1931            | GP-P.168  |                |      |                                           | Y=                       | λ        | 74-06-17.472        |   |                                     |             |
|                  | BAYONNE BABCOCK + WILCOX  | NY Vol II |                |      | 29                                        | X=                       | φ        |                     |   |                                     | Not plotted |
|                  | CO WEST TANK 1931         | GP-P.550  |                |      |                                           | Y=                       | λ        |                     |   |                                     |             |
|                  | BAYONNE ASIATIC PETROLEUM | NY Vol II |                |      | 833110                                    | X=                       | φ        | 40-39-08.413        |   |                                     | Not plotted |
|                  | CO TANK 1930              | GP-P.251  |                |      |                                           | Y=                       | λ        | 74-05-33.399        |   |                                     |             |
|                  | STAPLETON HORMANN'S       | NY Vol II |                |      | 65                                        | X=                       | φ        | 40-37-32.312        |   |                                     |             |
|                  | CUPOLA 1930               | GP-P.123  |                |      |                                           | Y=                       | λ        | 74-05-17.503        |   |                                     |             |
|                  | TOMPKINSVILLE A.S. #17    | NY Vol II |                |      | 66                                        | X=                       | φ        | 40-38-21.737        |   |                                     |             |
|                  | WHITE DOME 1930           | GP-P.123  |                |      |                                           | Y=                       | λ        | 74-05-22.930        |   |                                     |             |
|                  | WEST NEW BRIGHTON         | NY Vol II |                |      | 67                                        | X=                       | φ        | 40-37-48.769        |   |                                     |             |
|                  | TRINITY METH EPISCOPAL    | GP-P.168  |                |      |                                           | Y=                       | λ        | 74-07-14.458        |   |                                     |             |
|                  | CHURCH SPIRE 1931         |           |                |      |                                           |                          |          |                     |   |                                     |             |
| COMPUTED BY      | N/A                       |           |                |      | DATE                                      | COMPUTATION CHECKED BY   |          |                     |   | DATE                                |             |
|                  |                           |           |                |      |                                           |                          |          |                     |   |                                     |             |
| LISTED BY        | G. Van der Have           |           |                |      | DATE                                      | LISTING CHECKED BY       | G. Fromm |                     |   | DATE                                | Nov 7, 1975 |
| HAND PLOTTING BY | N/A                       |           |                |      | DATE                                      | HAND PLOTTING CHECKED BY | N/A      |                     |   | DATE                                |             |

## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.                                                       | STATION NAME    | SOURCE OF INFORMATION (Index) | AEROTRI-ANGULATION POINT NUMBER | GEODEIC DATUM |           | COORDINATES IN FEET<br>STATE ZONE | GEOGRAPHIC POSITION |             | ORIGINATING ACTIVITY                 | REMARKS                               |
|---------------------------------------------------------------|-----------------|-------------------------------|---------------------------------|---------------|-----------|-----------------------------------|---------------------|-------------|--------------------------------------|---------------------------------------|
|                                                               |                 |                               |                                 | JOB NO.       | DATE      |                                   | φ LATITUDE          | λ LONGITUDE |                                      |                                       |
| TP-00743                                                      |                 |                               |                                 | CH-7301       | N.A. 1927 |                                   |                     |             | Coastal Mappings Div, Rockville, Md. |                                       |
| WEST NEW ARLINGTON, STAPETON SERVICE LAUNDRY CO. TANK 1931    | NY Vol II       |                               | 70                              |               |           | X=                                | φ 40-37-46.390      |             |                                      | Appears to be destroyed - Not plotted |
| PORT RICHMOND COMPANY DEPT OF SANITATION INCINERATOR CHY 1931 | NY Vol II       |                               | 71                              |               |           | Y=                                | λ 74-07-41.572      |             |                                      |                                       |
| WEST BRIGHTON SEAVIEW HOSP. POWER PLANT CHY 1930              | GP-P.168        |                               |                                 |               |           | X=                                | φ 40-38-18.662      |             |                                      | Appears to be destroyed               |
|                                                               | GP-P.169        |                               |                                 |               |           | Y=                                | λ 74-07-29.001      |             |                                      | Not plotted                           |
|                                                               | GP-P.123        |                               | 75                              |               |           | X=                                | φ 40-35-32.177      |             |                                      |                                       |
|                                                               | GP-P.140        |                               | 76                              |               |           | Y=                                | λ 74-08-01.465      |             |                                      |                                       |
| TOAD HILL ST FRANCIS COLLEGE CHY 1930                         | NY Vol II       |                               |                                 |               |           | X=                                | φ 40-35-58.532      |             |                                      |                                       |
|                                                               | GP-P.140        |                               |                                 |               |           | Y=                                | λ 74-06-53.144      |             |                                      |                                       |
| BAYONNE MT CARMEL CATH CH. EAST TWIN SPIRE 1930               | NY Vol I        |                               | 144                             |               |           | X=                                | φ 40-39-45.322      |             |                                      |                                       |
|                                                               | GP-P.532        |                               |                                 |               |           | Y=                                | λ 74-07-04.994      |             |                                      |                                       |
| BAYONNE ST MARYS CATH CHURCH SPIRE 1913                       | NY Vol I        |                               | 145                             |               |           | X=                                | φ 40-39-30.147      |             |                                      | Not plotted                           |
|                                                               | GP-P.659        |                               |                                 |               |           | Y=                                | λ 74-07-34.253      |             |                                      | Appears to be destroyed.              |
| BAYONNE STANDARD OIL CO OF NJ TALL CHY 1930                   | NY Vol I        |                               | 146                             |               |           | X=                                | φ 40-39-15.532      |             |                                      | Not plotted.                          |
|                                                               | GP-P.521        |                               |                                 |               |           | Y=                                | λ 74-05-55.874      |             |                                      | Appears to be destroyed.              |
| BAYONNE BADCOCK & WILCOX CHY NO. 1 1913                       | NY Vol I        |                               |                                 |               |           | X=                                | φ 40-38-53.260      |             |                                      |                                       |
|                                                               | GP-P.550        |                               |                                 |               |           | Y=                                | λ 74-07-20.882      |             |                                      |                                       |
| BAYONNE MT CARMEL CATH CH. WEST TWIN SPIRE 1930               | NY Vol I        |                               |                                 |               |           | X=                                | φ 40-39-45.560      |             |                                      |                                       |
|                                                               | GP-P.523        |                               |                                 |               |           | Y=                                | λ 74-07-05.475      |             |                                      |                                       |
| ST FRANCIS 1930                                               | NY Vol II       |                               |                                 |               |           | X=                                | φ 40-35-57.605      |             |                                      |                                       |
|                                                               | GP-P.11         |                               |                                 |               |           | Y=                                | λ 74-06-53.327      |             |                                      |                                       |
| COMPUTED BY                                                   | N/A             |                               |                                 |               |           | COMPUTATION CHECKED BY            | N/A                 |             |                                      | DATE                                  |
| LISTED BY                                                     | G. Van der Have |                               |                                 |               |           | LISTING CHECKED BY                | G. Fromm            |             |                                      | DATE Nov 7, 1975                      |
| HAND PLOTTING BY                                              | N/A             |                               |                                 |               |           | HAND PLOTTING CHECKED BY          | N/A                 |             |                                      | DATE                                  |

TP-00743  
Compilation Report

31. Delineation

This map was compiled on the Wild B-8 stereoplotter from 1:30,000 scale natural color photography. Graphic compilation from ratioed prints of the black-and-white, tide-coordinated infrared photography was used to depict the mean low water line and to update the instrument compilation. Refer to paragraph 35.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data

None

34. Contours and Drainage

All drainage is from office interpretation of the color photography.

35. Shoreline and Alongshore Details

The MHW line was compiled from office interpretation of the 1974 color photography.

Alongshore and foreshore detail was delineated by office interpretation of the color photography and updated by graphic compilation from the 1975 infrared photography.

- \* The MLWL was depicted graphically from the black-and-white, tide-coordinated infrared photography. Water penetration is apparent on the infrared photography. Therefore, portions of the foreshore areas depicted on this map may be covered a slight amount at MLW. This also applies to those shoal, or portions of, depicted with the MLW line symbol.

There was no preliminary field inspection of the shoreline.

36. Offshore Details

No unusual problems were encountered in compiling details offshore.

37. Landmarks and Aids

Positions of landmarks and nonfloating aids will be verified or located during field edit.

Refer to the 76-40 forms prepared for those landmarks and aids identifiable on the compilation photography.

\* Refer to REVIEW REPORT, item 67.

38. Control for Future Surveys

No form 524 submitted.

39. Junctions

Refer to form 76-36B, item #5, submitted with this Descriptive Report.

40. Horizontal and Vertical Accuracy

This map complies with the National Map Accuracy Standards.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

A comparison has been made with the following USGS quadrangles:

Jersey City, N.J.-N.Y., scale 1:24,000, 1967 Edition.

Elizabeth, N.J.-N.Y., scale 1:24,000, 1967 Edition.

Arthur Kill, N.Y.-N.J., scale 1:24,000, dated 1966.

No significant changes were noted.

47. Comparison with Nautical Charts

12327 (formerly 369), scale 1:40,000, 64th Edition, dated July 13, 1974.

12328 (formerly 369-SC), scale 1:40,000, 12th Edition, dated Feb. 1, 1975.

285, scale 1:15,000, 20th Edition, dated Sept. 29, 1973.

541, scale 1:10,000, 47th Edition, dated April 13, 1974.

Items to be applied to Nautical Charts immediately - None.

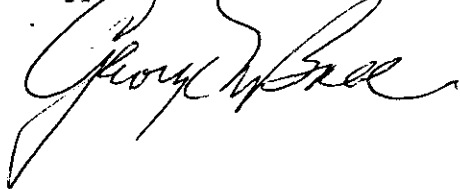
Items to be carried forward - None.

Submitted by:



G. Vanderhaven

Approved and Forwarded:



## COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00743

1. Shoreline and Alongshore Features   /   2. Projections   /    
3. Grids   /   4. Title Block   /   5. Horizontal Control   /    
6. Landmarks and Aids to Navigation   /   7. NOAA  
Form 76-36   /   8. Compilation Report   /   9. Compilation  
Methods and Procedures   /   10. Junctions   /   11. Clarity  
of Manuscript   /   12. Discrepancy Print   /

Reviewer   *J. F. Farnham*  14 Oct 76Supervisor   *James D. Bae*



February 10, 1978

TO: Chief, Photogrammetric Branch

FROM: James Collins (signed) James Collins  
Chief, Coastal Mapping Division

SUBJECT: Registration of Job CM-7301, New York Harbor, Raritan  
and Jamaica Bays, New York - New Jersey

All manuscripts completed on the subject job shall be registered  
as Class III maps.

Field edit data developed to update these maps during 1978 and  
subsequent field seasons shall be furnished to the Marine Chart  
Division for blueprints.

cc: C3442  
C3421  
C3424



REVIEW REPORT  
TP-00743

Chart Compilation  
January 1978

61. General Statement

See Summary, which is pages 7 and 8 of this Descriptive Report. The map was reviewed in its Class III Map (field edit postponed) stage by the Quality Control Group.

62. Comparison with Topographic Surveys - None

63. Comparison with Maps of Other Agencies

Refer to item 46 in the Compilation Report bound with this Descriptive Report.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Refer to item 47 in the Compilation Report bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau standards.

67. The Mean Low Water Line

Because water penetration is apparent on the ratioed tide-coordinated infrared photography, the outermost photographic image of land, along the water-land interface line, was delineated as the approximate mean low water line. This approach was taken to add an element of boating safety for users of the NOS nautical charts, reconstructed with details taken from this map. Refer to item 35 in the Compilation Report bound with this Descriptive Report.

Submitted by:

Edward L. Rolle

Approved and Forwarded:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7301 (N.Y. Hbr., Raritan & Jamaica Bays, N.Y., N.J.)

TP-00743

Bergen Point

Central RR of N.J.

Constable Hook

Kill Van Kull

Mariners Harbor

Newark Bay

New Brighton

Port Elizabeth

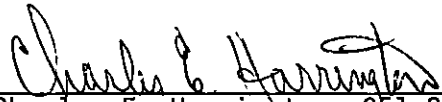
Port Johnson

Port Richmond

Shooters Island

Staten Island

Approved by:

  
Charles E. Harrington, C51x2  
Staff Geographer

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* SVY TP-00743 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 5 *
* JOB CM-7301 * NONFLOATING AIDS FOR CHARTS * STATE NEW YORK NEW JERSEY *
* PRJ N Y HARBOR* TO BE REVISED * LOCALITY KILL VAN KULL *ORIGINATING ACTIVITY*
* DTM NA 1927 * * DATE 09/08/77 * 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*
```

```
* * NEW YORK HARBOR - UPPER BAY *
* * NEW JERSEY COAL DOCK CHANNEL *
```

```
* FROMT * CONSTABLE HOOK RANGE FRONT LT * 00 00 00.00 0.0 NOT *UNVERIFIED* * 285 *
* LIGHT * * 00 00 00.00 0.0 DGTZD* * * 541 *
* * * * * 12327 *
* REAR * CONSTABLE HOOK RANGE REAR LT * 00 00 00.00 0.0 NOT *UNVERIFIED* * 285 *
* LIGHT * * 00 00 00.00 0.0 DGTZD* * * 541 *
* * * * * 12327 *
* LIGHT * EXXON DOLPHIN LIGHT * 00 00 00.00 0.0 NOT *UNVERIFIED* * 285 *
* * * 00 00 00.00 0.0 DGTZD* * * 541 *
* * * * * 12327 *
```

```
* * NEW YORK HARBOR-KILL VAN KULL *
* * *
```

```
* LIGHT * PORT RICHMOND DOCK LIGHT A * 00 00 00.00 0.0 NOT *UNVERIFIED* * 285 *
* A * * 00 00 00.00 0.0 DGTZD* * * 12327 *
* * * * * 12328 *
* LIGHT * PORT RICHMOND DOCK LIGHT B * 00 00 00.00 0.0 NOT *UNVERIFIED* * 285 *
* B * * 00 00 00.00 0.0 DGTZD* * * 12327 *
* * * * * 12328 *
* LIGHT * PORT RICHMOND LIGHT * 40 38 27.99 863.4 *74E(C)7089* * 285 *
* * * 74 07 45.85 1077.4 * 10/19/74 * * 12327 *
* * * * * 12328 *
* LIGHT * BERGEN POINT LIGHT 12A * 40 38 34.57 1066.3 *74E(C)7089* * 285 *
* 12A * * 74 08 52.39 1231.0 * 10/19/74 * * 12327 *
* * * * * 12328 *
```

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* * TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *
* * * * *
* * * * *
* * * * *
* POSITIONS DETERMINED * NO FIELD EDIT-CLASS III MAP * FIELD REPRESENTATIVE *
* AND/OR VERIFIED BY * G. VANDERHAVEN * OFFICE COMPILER *
* FIELD AND OFFICE * L. HARROD * DIGITIZER *
* ACTIVITIES * G. FROMM * DATA PROCESSER *
```

76-40  
LISTING

PHOTOGRAMMETRIC BRANCH  
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA  
DEPARTMENT OF COMMERCE USA

DATATAB  
VERSION  
770818

\* SVY TP-00743 \* \* RPT UNIT CMD ROCKVILLE, MD. \* PAGE 2 OF 5 \*  
\* JOB CM-7301 \* NONFLOATING AIDS FOR CHARTS \* STATE NEW YORK NEW JERSEY \*  
\* PRJ N Y HARBOR \* TO BE REVISED \* LOCALITY KILL VAN KULL \* ORIGINATING ACTIVITY \*  
\* DTM NA 1927 \* \* DATE 09/08/77 \* 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 |

|          |             |        |              |       |
|----------|-------------|--------|--------------|-------|
| LIGHT 16 | 40 38 52.02 | 1604.6 | *74E(C)7089* | 285   |
|          | 74 09 43.23 | 1015.7 | * 10/19/74 * | 12327 |

|         |             |       |              |       |
|---------|-------------|-------|--------------|-------|
| LIGHT 2 | 40 38 28.53 | 880.0 | *74E(C)7089* | 285   |
|         | 74 09 37.16 | 873.2 | * 10/19/74 * | 12327 |

\* NEW YORK HARBOR - NEWARK BAY \*

|       |             |        |              |       |
|-------|-------------|--------|--------------|-------|
| -LT 2 | 40 38 36.93 | 1139.1 | *74E(C)7089* | 285   |
|       | 74 08 56.04 | 1316.8 | * 10/19/74 * | 12327 |

|        |             |        |              |       |
|--------|-------------|--------|--------------|-------|
| - LT 9 | 40 39 51.90 | 1600.9 | *74E(C)7089* | 285   |
|        | 74 08 24.25 | 569.6  | * 10/19/74 * | 12327 |

\* NEW YORK HARBOR - NEWARK BAY \*

|      |             |        |              |       |
|------|-------------|--------|--------------|-------|
| -RGE | 40 39 41.70 | 1286.3 | *74E(C)7089* | 285   |
| F LT | 74 09 33.18 | 779.4  | * 10/19/74 * | 12327 |

|      |             |        |              |       |
|------|-------------|--------|--------------|-------|
| -RGE | 40 39 42.51 | 1311.3 | *74E(C)7089* | 285   |
| R LT | 74 09 35.64 | 837.2  | * 10/19/74 * | 12327 |

| TYPE OF ACTION | NAMES OF RESPONSIBLE PERSONNEL | ORIGINATOR |
|----------------|--------------------------------|------------|
|----------------|--------------------------------|------------|

|                      |                             |                      |
|----------------------|-----------------------------|----------------------|
| POSITIONS DETERMINED | NO FIELD EDIT-CLASS III MAP | FIELD REPRESENTATIVE |
| AND/OR VERIFIED BY   | G. VANDERHAVEN              | OFFICE COMPILER      |
| FIELD AND OFFICE     | L. HARROD                   | DIGITIZER            |
| ACTIVITIES           | G. FROMM                    | DATA PROCESSOR       |

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* SVY TP-00743 *
* JOB CM-7301 * LANDMARKS FOR CHARTS
* PRJ N Y HARBOR* TO BE REVISED
* DTM NA 1927 *
* RPT UNIT CMD ROCKVILLE, MD. * PAGE 3 OF 5
* STATE NEW YORK NEW JERSEY*
* LOCALITY KILL VAN KULL *ORIGINATING ACTIVITY*
* DATE 09/08/77 * COMPILATION *
```

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

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* TALL * (W BRIGHTON SFAVIEW HOSPITAL * 40 35 32.18 992.6 NOT *74E(C)7134* * 12327 *
* CHY * POWER PLANT CHY 1930) * 74 08 01.47 34.6 DGTZD* 10/19/74 * * 12328 *
* CHY * (TOAD HILL ST FRANCIS COLLEGE * 40 35 58.53 1805.4 NOT *74E(C)7134* * 12327 *
* * CHIMNEY 1930) * 74 06 53.14 1249.4 DGTZD* 10/19/74 * * 12328 *
* CUPOLA * (ST FRANCIS 1930) * 40 35 57.61 1777.0 NOT *74E(C)7134* * 12327 *
* * * 74 06 53.33 1253.9 DGTZD* 10/19/74 * * 12328 *
* STAND- * (STAPLETON STANDPIPE 1930) * 40 37 12.16 375.1 NOT *74E(C)7136* * 285 *
* PIPE * * 74 05 26.88 631.8 DGTZD* 10/19/74 * * 541 *
* CUPOLA * (STAPLETON HORMANN'S CUPOLA) * 40 37 32.31 996.6 NOT *74E(C)7136* * 285 *
* * * 74 05 17.50 411.3 DGTZD* 10/19/74 * * 541 *
* SCHOOL * (TOMPKINSVILLE P. S. NO 17 * 40 38 21.74 670.6 NOT *74E(C)7136* * 285 *
* CUPOLA * WHITE DOME 1930) * 74 05 22.93 538.8 DGTZD* 10/19/74 * * 541 *
* CHURCH * (NEW BRIGHTON ST PETERS * 40 38 49.47 1525.9 NOT *74E(C)7136* * 285 *
* TOWER * CATH CHURCH TOWER 1930) * 74 05 07.43 174.6 DGTZD* 10/19/74 * * 541 *
* SPIRE * (BAYONNE ST MARYS CATH CHURCH * 40 39 30.15 930.0 NOT *74E(C)7089* * 285 *
* * SPIRE 1913) * 74 07 34.75 816.3 DGTZD* 10/19/74 * * 12327 *
* SPIRE * (BAYONNE MT CARMEL CATH CHURCH * 40 39 45.32 1397.9 NOT *74E(C)7089* * 285 *
* * EAST TWIN SPIRE 1930) * 74 07 04.99 117.2 DGTZD* 10/19/74 * * 12327 *
* SPIRE * (BAYONNE MT CARMEL CATH CHURCH * 40 39 45.56 1405.3 NOT *74E(C)7089* * 285 *
* * WEST TWIN SPIRE 1930) * 74 07 05.48 128.7 DGTZD* 10/19/74 * * 12327 *
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* TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR *
* POSITIONS DETERMINED * NO FIELD EDIT-CLASS III MAP * FIELD REPRESENTATIVE *
* AND/OR VERIFIED BY * G. VANDERHAVEN * OFFICE COMPILER *
* FIELD AND OFFICE * L. HARROD * DIGITIZER *
* ACTIVITIES * G. FROMM * DATA PROCESSER *
```

\* SVY TP-00743 \* \* RPT UNIT CMD ROCKVILLE, MD. \* PAGE 4 OF 5 \*  
\* JOB CM-7301 \* LANDMARKS FOR CHARTS \* STATE NEW YORK NEW JERSEY \*  
\* PRJ N Y HARBOR \* TO BE REVISED \* LOCALITY KILL VAN KULL \* ORIGINATING ACTIVITY \*  
\* DTM NA 1927 \* \* DATE 09/08/77 \* 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 * |

|          |                        |                |           |
|----------|------------------------|----------------|-----------|
| * CHY *  | * 40 39 04.87 150.2 *  | * 74E(C)7089 * | * 285 *   |
| * *      | * 74 08 28.50 669.6 *  | * 10/19/74 *   | * 12327 * |
| * CHY *  | * 40 38 52.24 1611.4 * | * 74E(C)7089 * | * 285 *   |
| * *      | * 74 08 40.96 962.4 *  | * 10/19/74 *   | * 12327 * |
| * CHY *  | * 40 38 45.03 1389.0 * | * 74E(C)7089 * | * 285 *   |
| * *      | * 74 08 32.57 765.3 *  | * 10/19/74 *   | * 12327 * |
| * TANK * | * 40 38 43.30 1335.6 * | * 74E(C)7089 * | * 285 *   |
| * *      | * 74 08 35.47 833.4 *  | * 10/19/74 *   | * 12327 * |

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

|            |                              |           |
|------------|------------------------------|-----------|
| * GAS *    | * 40 37 34.00 1048.8 NOT *   | * 285 *   |
| * TANK *   | * 74 09 16.00 376.0 DGTZD *  | * 12327 * |
| * CHURCH * | * 40 38 05.00 154.2 NOT *    | * 285 *   |
| * TOWER *  | * 74 06 55.00 1292.5 DGTZD * | * 12327 * |
| * SILO *   | * 40 38 58.00 1789.1 NOT *   | * 285 *   |
| * *        | * 74 05 50.00 1174.7 DGTZD * | * 12327 * |
| * SILO *   | * 40 38 58.00 1789.1 NOT *   | * 285 *   |
| * *        | * 74 05 49.00 1151.2 DGTZD * | * 12327 * |

| * TYPE OF ACTION *       | * NAMES OF RESPONSIBLE PERSONNEL * | * ORIGINATOR *           |
|--------------------------|------------------------------------|--------------------------|
| * POSITIONS DETERMINED * | * NO FIELD EDIT-CLASS III MAP *    | * FIELD REPRESENTATIVE * |
| * AND/OR VERIFIED BY *   | * G. VANDERHAVEN *                 | * OFFICE COMPILER *      |
| * FIELD AND OFFICE *     | * L. HARROD *                      | * DIGITIZER *            |
| * ACTIVITIES *           | * G. FROMM *                       | * DATA PROCESSER *       |

\* SVY 1P-00743 \* \* RPT UNIT CMD ROCKVILLE, MD. \* PAGE 5 OF 5 \*  
\* JOB CM-7301 \* LANDMARKS FOR CHARTS \* STATE NEW YORK NEW JERSEY \*  
\* PRJ N Y HARBOR \* TO BE REVISED \* LOCALITY KILL VAN KULL \* ORIGINATING ACTIVITY \*  
\* DTM NA 1927 \* \* DATE 09/08/77 \* \* 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 * |

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

|                                        |               |        |        |           |
|----------------------------------------|---------------|--------|--------|-----------|
| * TALLER * (BAYONNE BADCOCK AND WILCOX | * 40 38 53.26 | 1642.9 | NOT *  | * 285 *   |
| * STACK * CHY NO. 1 1913)              | * 74 07 20.88 | 490.6  | DGTZD* | * 12327 * |

|                                        |               |        |        |           |
|----------------------------------------|---------------|--------|--------|-----------|
| * TALL * (WEST NEW BRIGHTON STAPLETON  | * 40 37 46.39 | 1430.9 | NOT *  | * 285 *   |
| * TANK * SERVICE LAUNDRY CO TANK 1931) | * 74 07 41.57 | 977.0  | DGTZD* | * 12327 * |

|                                         |               |       |        |           |
|-----------------------------------------|---------------|-------|--------|-----------|
| * STACK * (PORT RICHMOND, C OF N Y DEPT | * 40 38 18.66 | 575.6 | NOT *  | * 285 *   |
| * * OF SANITATION INCIN CHY 1932)       | * 74 07 29.00 | 681.5 | DGTZD* | * 12327 * |

|                                       |               |        |        |           |
|---------------------------------------|---------------|--------|--------|-----------|
| * STACK * (BAYONNE STANDARD OIL CO OF | * 40 39 15.53 | 479.0  | NOT *  | * 285 *   |
| * * N J TALL CHY)                     | * 74 05 55.87 | 1312.6 | DGTZD* | * 12327 * |

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| * * * | * * * | * * * | * * * | * * * |

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| * * * | * * * | * * * | * * * | * * * |

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

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

|                        |                               |                        |
|------------------------|-------------------------------|------------------------|
| * POSITIONS DETERMINED | * NO FIELD EDIT-CLASS III MAP | * FIELD REPRESENTATIVE |
| * AND/OR VERIFIED BY   | * G. VANDERHAVEN              | * OFFICE COMPILER      |
| * FIELD AND OFFICE     | * NOT DIGITIZED               | * DIGITIZER            |
| * ACTIVITIES           | * G. FROMM                    | * DATA PROCESSER       |

TP-00743

National Archives Data

One C&GS Form 152 (Control Station Identification)

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