

TP-00750

TP-00750

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-00750

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

LOCALITY

State ... New York - New Jersey

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

Locality ... Arthur Kill to Princes Bay

19 74 TO 19 75

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Rockville, Maryland OFFICER-IN-CHARGE Commander James Collins		SURVEY TP. <u>00750</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>CM-7301</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Rockville, Maryland OFFICER-IN-CHARGE Commander James Collins		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: 19 <u></u> TO 19 <u></u>	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Instructions-AEROTRIANGULATION-3/27/75 Instructions-OFFICE-8/7/75		Instructions-FIELD-1/23/74 Instructions-FIELD-Amendment I-2/27/74 Instructions-FIELD-Amendment II-8/12/74 Instructions-FIELD-Supplement I-4/16/75 Instructions-FIELD-Supplement II-10/6/75	
II. DATUMS			
1. HORIZONTAL: ☒ 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify) National Geodetic Vertical Datum of 1929	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE <u>New York</u> ZONE <u>East</u> STATE <u></u> ZONE <u></u>	
5. SCALE 1:10,000		STATE <u></u> ZONE <u></u>	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		I. Raborn	<u>8/75</u>
LANDMARKS AND AIDS BY		<u>N/A</u>	
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u>		S. Solbeck	<u>9/75</u>
PLOTTED BY		<u>N/A</u>	
CHECKED BY			
3. STEREOSCOPIC INSTRUMENT COMPILATION		G. Vanderhaven	<u>12/9/75</u>
PLANIMETRY BY		G. Fromm	<u>12/9/75</u>
CHECKED BY			
INSTRUMENT: <u>Wild B-8</u>		<u>N/A</u>	
SCALE: <u>1:15,000</u>		<u>N/A</u>	
CHECKED BY			
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth Drafting</u>		G. Vanderhaven	<u>1/29/76</u>
PLANIMETRY BY		G. Fromm	<u>3/4/76</u>
CHECKED BY			
CONTOURS BY		<u>N/A</u>	
CHECKED BY		<u>N/A</u>	
SCALE: <u>1:10,000</u>		<u>N/A</u>	
HYDRO SUPPORT DATA BY		<u>N/A</u>	
CHECKED BY			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		G. Fromm	<u>10/14/76</u>
BY		<u>N/A</u>	
6. APPLICATION OF FIELD EDIT DATA		<u>N/A</u>	
CHECKED BY			
7. COMPILATION SECTION REVIEW		G. Fromm	<u>10/14/76</u>
BY		E. L. Rolle	<u>Jan. 1978</u>
8. FINAL REVIEW		<u>N/A</u>	
BY		E. L. Rolle	<u>Jan. 1978</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		<u>N/A</u>	
BY		R. J. Later	<u>May 1978</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH			
BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION			
BY			

TP-00750
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8(E) RC-10(B) Focal Lengths - 152.7 mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED B&W		ZONE	
☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				Eastern	
				MERIDIAN	
				75th	
				☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C) 7192-7195	10/19/74	1317-1324	1:30,000	*-2.09 Ft. MHW	
74E(C) 7092-7095	10/19/74	1156-1206	1:30,000	*+0.03 Ft. MHW	
74E(C) 7131-7133	10/19/74	1215-1222	1:30,000	*+0.03 Ft. MHW	
(C) 75B5978R-5980R	10/3/75	1204-1212	1:30,000	Refer to the following page for tide information	
75B5955R & 5957R (I)	10/3/75	1142-1148	1:30,000		

REMARKS *Computation from Predicted Tide Tables.

All listed photography ratioed to 1:10,000.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high water line is the ~~color~~ photography listed in Item I.

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

The source of the mean low water line is ratio prints of the black-and-white, tide-coordinated infrared photography listed in 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-00742	TP-00751	TP-00756	TP-00749
REMARKS			

TIDE - COORDINATED PHOTOGRAPHY

TP - 00750

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE in feet	MEAN RANGE in feet
	SANDY HOOK (Reference Station)		4.6'
75B5955R-5957R (Raritan Bay)	Princes Bay (Sub.Sta.)	-0.66 MLW	4.9'
75B5978R-5980R (Arthur Kill)	Tottenville (Sub.Sta.)	-0.70 MLW	5.3'
	Rossville (Sub.Sta.)	-0.67 MLW	5.3'
	Carteret (Sub.Sta.)	-0.64 MLW	5.1'
<u>NOTE:</u> The reference station(s) <u>ONLY</u> was in operation at time of photography.			

REMARKS:

Water penetration is apparent on the above photography. Refer to paragraph 35 of the Compilation Report bound with this ~~job~~ Descriptive Report.

TP-00750

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~INSPECTION~~ OPERATION ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	8/74
2. HORIZONTAL CONTROL	RECOVERED BY N/A ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY N/A	
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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ 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 None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
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) None			

RECORD OF SURVEY USE

TP-00750

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete pending field edit	10/14/76	Class III map Field Edit postponed	10/19/76	
Final review prior to 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 NUMBER ASSIGNED	DATE FORWARDED	REMARKS
4		Oct. 1977	Digitized Forms 76-40 were submitted as a final report. The computer cards for these landmarks and aids are on file in the CMD Special Projects Section, and will be destroyed 5 years after the date of Final Review.

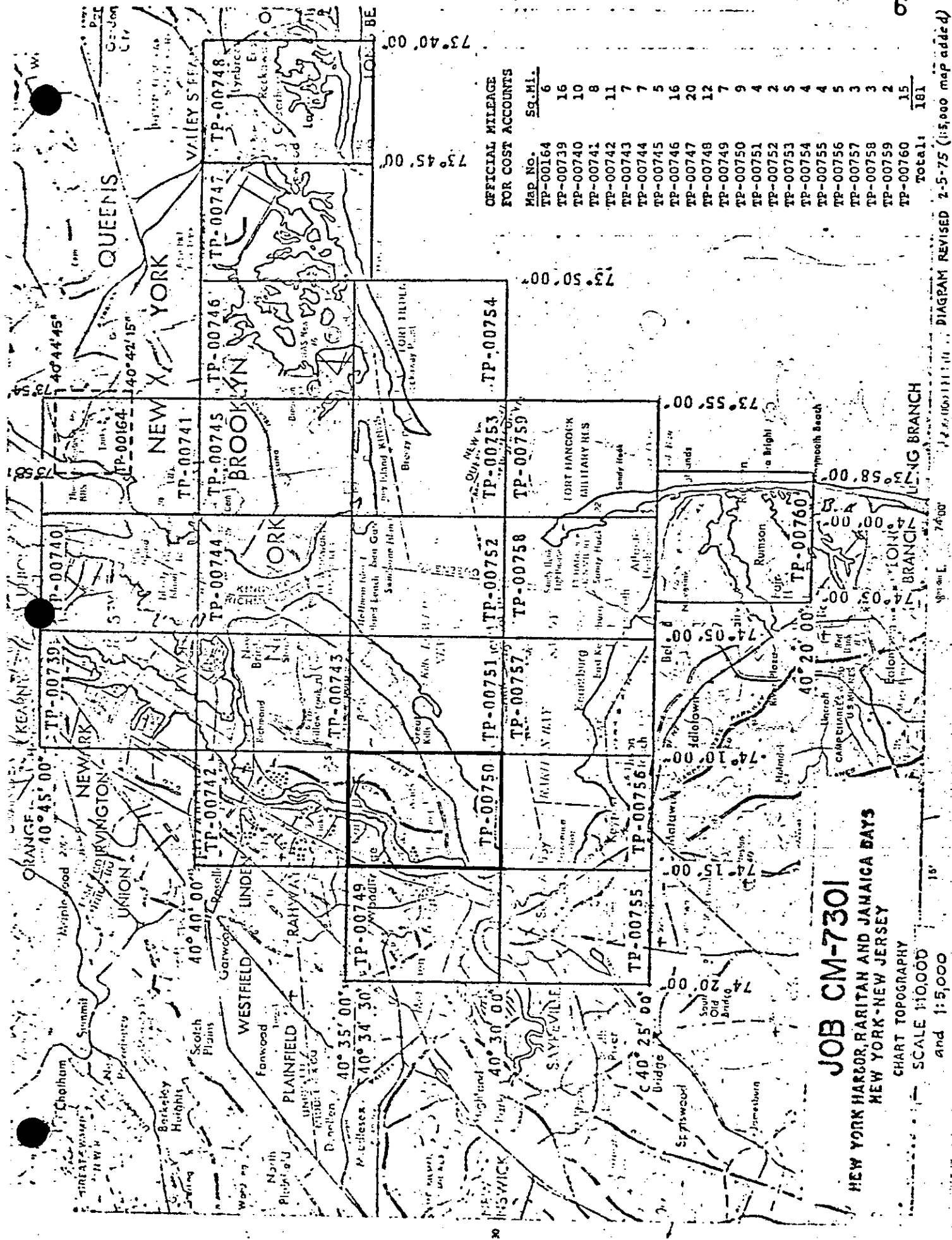
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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 EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ 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
Total:	181

DIAGRAM REVISED 2-5-75 (15,000 map added)

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-00733 thru TP-00760 and one 1:5,000 sheet, TP-00164. The 1:5,000 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,

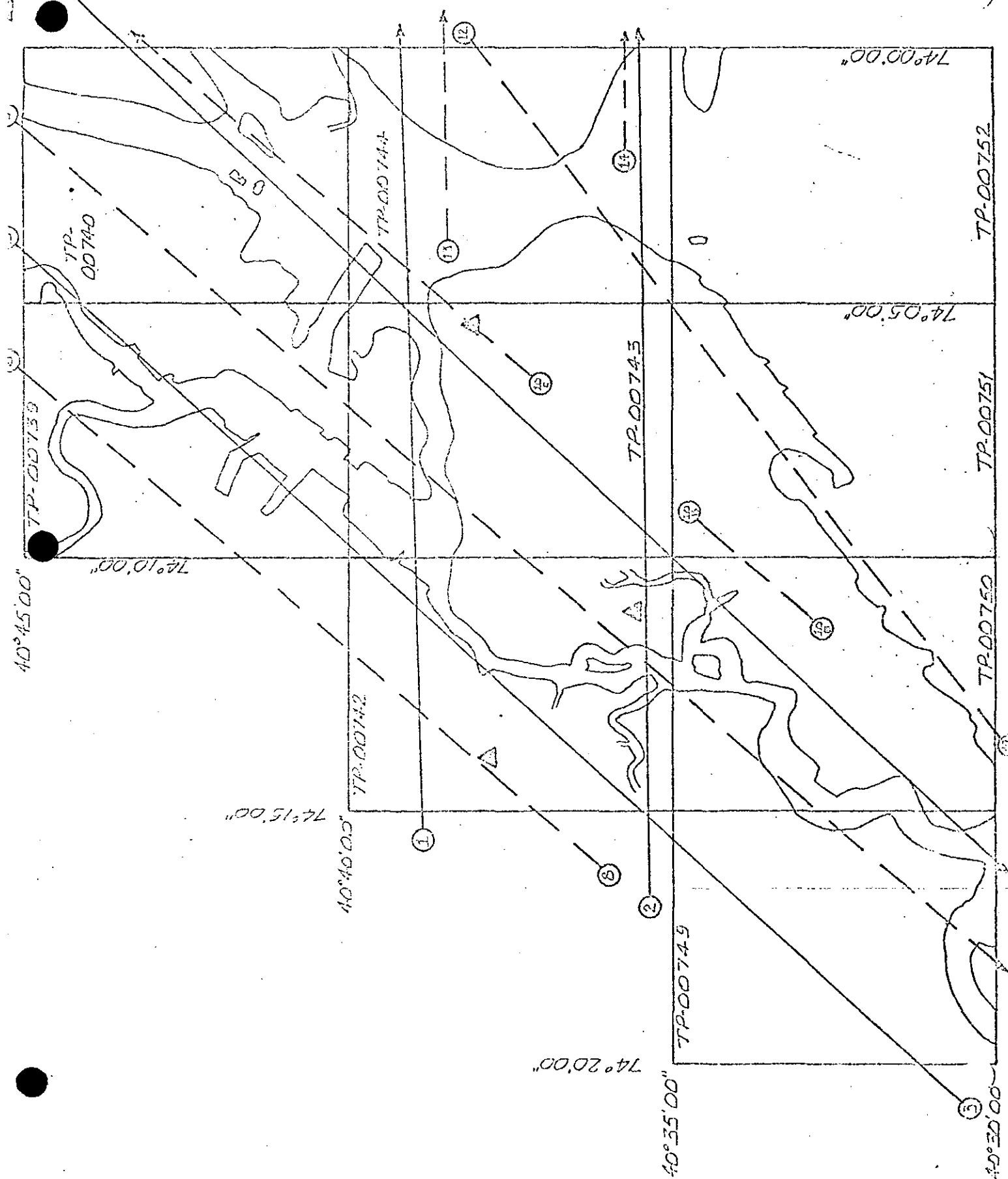
Ivey O. Raborn
Ivey O. Raborn

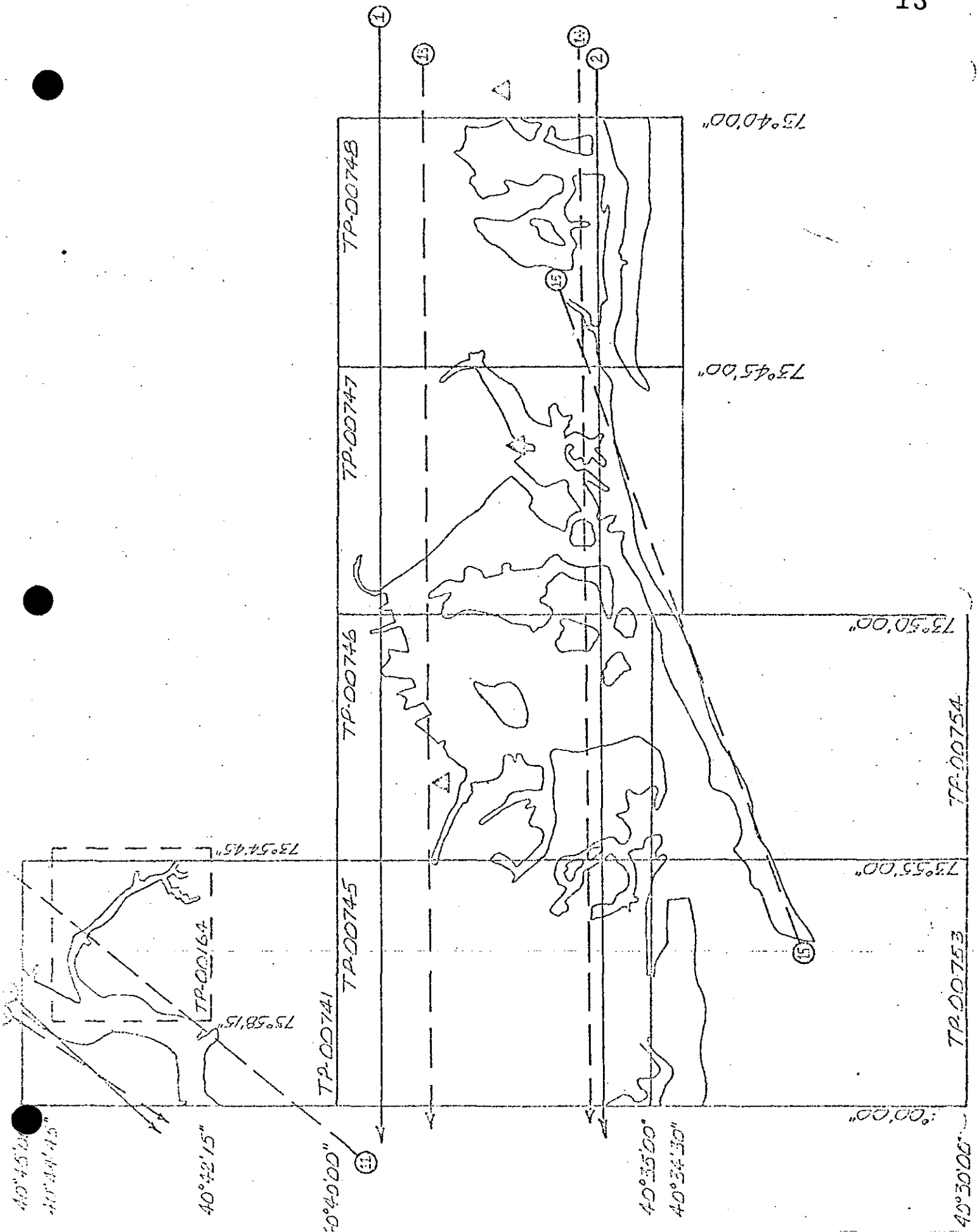
Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.

Chief, Aerotriangulation Section

JOE CM-7301
NEW YORK HARBOUR, RARITAN & JAMAICA BAYS
NEW YORK - NEW JERSEY
1:10,000 and 1:5,000 Scale
7-75





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.		JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET STATE _____ ZONE _____		GEOGRAPHIC POSITION φ LATITUDE _____ λ LONGITUDE _____		
TP-00750		CM-7301						
PRINCESS BAY LIGHTHOUSE 1867	NY Vol II		19			φ 40-30-27.229		
	GP-P.203					λ 74-12-49.694		
CARTER AMER AGRICULTURAL CHEM CO LIEBIG PLANT	NJ Vol I		83			φ 40-34-21.313		Not plotted on sheet. Appears to be destroyed
LATTICE STACK 1931	GP-P.510					λ 74-13-00.243		
CARTER VIRGINIA-CAROLINA CHEM CO TANK 1931	NJ Vol I		82			φ 40-35-23.629		Not plotted on sheet. Not identifiable from photography
	GP-P.514					λ 74-12-44.054		
ROSSVILLE WBBR North RADIO MAST 1930	NY - Vol II					φ 40-32-43.75		Not plotted on sheet Appears to be destroyed
	GP-P.160					λ 74-12-08.69		
ROSSVILLE SOUTH RADIO MAST WBBR 1930	NY - Vol II		80			φ 40-32-40.809		Not plotted on sheet. Appears to be destroyed
	GP-P.24					λ 74-12-07.992		
CARTER AMER AGRICULTURAL CHEM CO LIEBIG PLANT	NJ Vol I		84			φ 40-34-30.562		Not plotted on sheet Appears destroyed on the 1975 IR photos.
TALL CHY 1915	GP-P.511					λ 74-12-56.397		
CARTER VS METAL REFINING CO S CHY	NJ Vol I		85			φ 40-33-49.357		
	GP-P.540					λ 74-13-07.144		
PORT READING, READING CO N. TWIN TANK 1931	NJ Vol I		86			φ 40-34-00.535		
	GP-P.510					λ 74-13-56.293		
PORT READING, READING CO S TWIN TANK 1931	NJ Vol I					φ 40-34-00.137	3/6	
	GP-P.510					λ 74-13-56.303		
ARTHUR KILL OAKLAND CHEM WORKS CHY	NY Vol II		87			φ 40-33-78.025		Not plotted on sheet. Appears to be destroyed
1931	GP-P.95					λ 74-13-39.372		
COMPUTED BY	N/A	DATE		COMPUTATION CHECKED BY	N/A	DATE		
LISTED BY		DATE		LISTING CHECKED BY	G. F. Form	DATE	11-10-75	
HAND PLOTTING BY	N/A	DATE		HAND PLOTTING CHECKED BY	N/A	DATE		

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY	
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET STATE _____ ZONE _____		GEOGRAPHIC POSITION φ LATITUDE _____ λ LONGITUDE _____	
TP-00750		CM-7301					
ARTHUR KILL	✓	NJ Vol II	88	X=		φ 40-33-13.979	
BEACON NO. 7 1931		G-P-P.510		Y=		λ 74-14-24.495	
TOTTENVILLE COPPER	✓	NY Vol II	94	X=		φ 40-31-05.807	
Lo CHY 1930		G-P-P.51		Y=		λ 74-14-22.878	
MT LORETTO ORPHANAGE		NY Vol II	95	X=		φ 40-30-41.158	
CH SPIRE 1926		G-P-P.51		Y=		λ 74-13-16.591	
MT LORETTO ORPHANAGE	✓	NY Vol II		X=		φ 40-30-45.493	
CHY 1915		G-P-P.51		Y=		λ 74-13-19.568	
SEGUINE PT. SS WHITE		NY Vol II	97	X=		φ 40-30-39.415	
DENTAL MFG. CO. CHY ✓		G-P-P.52		Y=		λ 74-11-46.908	
1926				X=		φ 40-30-13.991	
MT LORETTO ORPHANAGE		NY Vol II	96	Y=		λ 74-13-10.014	
CUPOLA 1926 ✓		G-P-P.51		X=		φ 40-30-40.675	
SEGUINE PT SS WHITE	✓	NY Vol II		Y=		λ 74-11-47.150	
DENTAL MFG. CO. CUPOLA		G-P. P.52		X=		φ 74-11-47.150	
1930				Y=		λ	
				X=		φ	
				Y=		λ	
				X=		φ	
				Y=		λ	
				X=		φ	
				Y=		λ	
COMPUTED BY	N/A	DATE		COMPUTATION CHECKED BY	N/A	DATE	
LISTED BY		DATE		LISTING CHECKED BY	G. Fromm	DATE	11-10-75
HAND PLOTTING BY	N/A	DATE		HAND PLOTTING CHECKED BY	N/A	DATE	

Original Page 2 of 2

TP-00750
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 features were 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.

- * Refer to REVIEW REPORT, item 67.

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.

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 quadrangle :

Arthur Kill, N.Y.-N.J., Scale 1:24,000, 1966 Edition

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.*
 12331(formerly 286), scale 1:15,000, 20th Edition, dated March 8, 1975.*
 375, scale 1:20,000, 16th Edition, dated Nov. 18, 1972.*

Items to be applied to Nautical Charts immediately - None.

Items to be carried forward - None.

Submitted by:

G. Vanderhaven

G. Vanderhaven

Approved and Forwarded:

George N. Bae

* A comparison has been made.

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00750

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

G. Fromm
14 Oct 76

Supervisor

Ray M. Bess



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-00750

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-00750

Arbutus Lake

Arthur Kill

Carteret

Cedar Point

Central RR of N.J.

Charleston

Chrome

Fresh Kills

Great Fresh Kills

Huguenot Beach

Island of Meadows

Lemon Creek

Little Fresh Kills

Main Creek

Noes Creek

Port Reading

Princes Bay

Princes Bay (locality)

Raritan Bay

Reading (RR)

Richmond Creek

Rossville

Sequine Point

Smoking Point

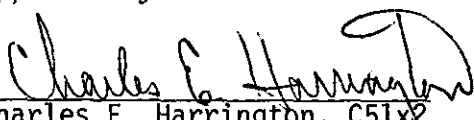
Staten Island

Staten Island Rapid Transit

Tufts Point

Wolfes Pond

Approved by:


Charles E. Harrington, C51x2
Staff Geographer

* SVY TP-00750 * * RPT UNIT CMD ROCKVILLE, MD. * PAGE 1 OF 4 *
* JOB CM-7301 * NONFLOATING AIDS FOR CHARTS * STATE NEW YORK *
* PRJ N Y HARBOR* TO BE REVISED * LOCALITY STATEN ISLAND *ORIGINATING ACTIVITY*
* DTM NA 1927 * * DATE 08/12/77 * COMPILATION *

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

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

NEW YORK HARBOR				
RARITAN BAY				

RANGE * PRINCESS BAY RANGE FRONT LIGHT *	40 30 27.28	841.5	*74E(C)7194*	12331 *
F LT *	74 12 45.94	1081.6	* 10/19/74 *	12327 *

RANGE * PRINCESS BAY RANGE REAR LIGHT *	00 00 00.00	0.0	NOT *UNVERIFIED*	12331 *
R LT *	00 00 00.00	0.0	DGTZD*	12327 *

NEW YORK HARBOR				
ARTHUR KILL				

-LT 14 * (ARTHUR KILL BEACON NO 7 1931) *	40 33 13.98	431.2	NOT *74E(C)7095*	12331 *
	74 14 24.50	576.4	DGTZD* 10/19/74 *	12327 *

LIGHT * PORT SOCONY LIGHT *	00 00 00.00	0.0	NOT *UNVERIFIED*	12331 *
	00 00 00.00	0.0	DGTZD*	12327 *

LIGHT * OUTERBRIDGE CROSSING FOG *	00 00 00.00	0.0	NOT *UNVERIFIED*	12331 *
SIGNAL *	00 00 00.00	0.0	DGTZD*	12327 *

				23

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

* SVY	TP-00750	*	* RPT UNIT	CMD ROCKVILLE, MD.	*	PAGE	2 OF 4	*
* JOB	CM-7301	*	* STATE	NEW YORK	*			*
* PRJ	N Y HARBOR*		* LOCALITY	STATEN ISLAND		*ORIGINATING	ACTIVITY*	
* DTM	NA 1927	*	* DATE	08/12/77	*	* 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*

* TOWER	* (PRINCESS BAY LIGHTHOUSE 1867)	*	40 30 27.23	839.9	NOT *74E(C)7194*	*	12331	*
		*	74 12 49.69	1169.9	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* STACK	* (SEGUINE PT SS WHITE DENTAL	*	40 30 39.42	1215.9	NOT *74E(C)7194*	*	12331	*
	* MFG CO CHIMNEY 1926)	*	74 11 46.91	1104.4	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* CHURCH	* (MOUNT LORETTO ORPHANAGE	*	40 30 41.16	1269.6	NOT *74E(C)7194*	*	12331	*
* SPIRE	* CHURCH SPIRE 1926)	*	74 13 16.59	390.6	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* STACK	* (MOUNT LORETTO ORPHANAGE	*	40 30 45.49	1403.1	NOT *74E(C)7194*	*	12331	*
	* CHIMNEY 1915)	*	74 13 19.57	460.7	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* STACK	* (TOTTENVILLE COPPER COMPANY	*	40 31 05.81	179.2	NOT *74E(C)7095*	*	12331	*
	* CHIMNEY 1930)	*	74 14 22.88	538.6	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* CUPOLA	* SCHOOL HOUSE CUPOLA	*	40 33 01.92	59.2	*74E(C)7094*	*	12331	*
		*	74 12 41.35	972.9	* 10/19/74 *	*	12327	*
							12328	*
* STACK	* (CARTERET U S METAL REFINING	*	40 33 49.36	1522.5	NOT *74E(C)7094*	*	12331	*
	* CO SOUTH CHIMNEY 1915)	*	74 13 07.14	168.0	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* TANK	* (PORT READING, READING CO.,	*	40 34 00.54	16.7	NOT *74E(C)7094*	*	12331	*
	* NORTH TWIN TANK 1931)	*	74 13 56.29	1324.2	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* TANK	* (PORT READING, READING CO.,	*	40 34 00.14	4.3	NOT *74E(C)7094*	*	12331	*
	* SOUTH TWIN TANK 1931)	*	74 13 56.30	1324.4	DGTZD* 10/19/74 *	*	12327	*
							12328	*
* STACK	* EAST OF TWO THIRD STACK NOT	*	40 33 21.54	664.4	*74E(C)7095*	*	12331	*
	* VISIBLE ON PHOTOGRAPHY	*	74 14 55.13	1297.1	* 10/19/74 *	*	12327	*
							12328	*

* 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-00750 *
* JOB   CM-7301  *
* PRJ   N Y HARBOR*
* DTM   NA 1927  *
*
* LANDMARKS FOR CHARTS
* TO BE REVISED
*
* RPT UNIT  CMD ROCKVILLE, MD.
* STATE    NEW YORK
* LOCALITY  STATEN ISLAND
* DATE     08/12/77
*
* PAGE 3 OF 4
*
* ORIGINATING ACTIVITY*
* 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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* CUPOLA * (SEGUINE PT SS WHITE DENTAL * 40 30 40.68 1254.8 NOT *74E(C)7194* * 12331 *
* MFG CO CUPOLA 1930) * 74 11 47.15 1110.1 DGTZD* 10/19/74 * * 12327 *

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* RADIO * * 40 32 44.09 1360.0 *74E(C)7194* * 12331 *
* TOWER * * 74 12 13.62 320.5 * 10/19/74 * * 12327 *

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* RADIO * * 40 32 45.25 1395.8 *74E(C)7194* * 12331 *
* TOWER * * 74 12 11.81 277.9 * 10/19/74 * * 12327 *

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* RADIO * * 40 32 46.38 1430.6 *74E(C)7194* * 12331 *
* TOWER * * 74 12 09.97 234.6 * 10/19/74 * * 12327 *

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* CUPOLA * (MOUNT LORETTO ORPHANAGE * 40 30 13.99 431.5 NOT *74E(C)7194* * 12331 *
* CUPOLA 1926) * 74 13 10.01 235.7 DGTZD* 10/19/74 * * 12327 *

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

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* TOWER * * 40 33 16.00 493.5 NOT * * * 12331 *
* * * 74 13 02.00 47.1 DGTZD* * * * 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 *
*-----*

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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	* NOT DIGITIZED	* DIGITIZER
* ACTIVITIES	* G. FROMM	* DATA PROCESSOR

TP-00750

National Archives Data

None

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00750

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

USCOMM-DC 855A-P03