

TP-00742

ORIGINAL

369

TP-00742

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-00742.....
Classification No. III..... Edition No. .J.....

LOCALITY

StateNew York - New Jersey.....
General LocalityArthur Kill.....
Locality ..Elizabethport to Carteret.....

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP. 00742 MAP EDITION NO. (1) MAP CLASS III JOB CM-7301	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division (Rockville, Md.) OFFICER-IN-CHARGE Commander James Collins				LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED							
1. OFFICE Instructions-AEROTRIANGULATION-3/27/75 Instructions-OFFICE - 8/7/75				2. FIELD Instructions-FIELD-1/23/74 Instructions-FIELD-Amendment I -8/12/74 Instructions-FIELD-Supplement I-4/16/75 Instructions-FIELD-Supplement II - 10/6/75 Instructions-FIELD-Amendment 1 - 2/27/74			
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 New York ZONE East			
5. SCALE 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY				I. Raborn		8/75	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY				S. Solbeck		9/75	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				G. Vanderhaven		1/7/76	
INSTRUMENT: B-8				G. Fromm		1/7/76	
SCALE: 1:15,000				N/A			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				G. Vanderhaven		2/5/76	
METHOD: Smooth Drafting				G. Fromm		2/9/76	
SCALE: 1:10,000				N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				G. Fromm		10/14/76	
6. APPLICATION OF FIELD EDIT DATA BY				N/A			
7. COMPILATION 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				P.T. Cator		May 1978	

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

TP-00742

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8(E) RC-10(B) 152.7mm focal lengths		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR		ZONE	☒ STANDARD ☐ DAYLIGHT
☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY		(P) PANCHROMATIC (I) INFRARED B&W		Eastern	
				MERIDIAN	
				75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)7150-7153	10/19/74	1233-1240	1:30,000	* -.37 Ft. MHW	
74E(C)7090-7093	10/19/74	1156-1206	1:30,000	* +.23 Ft. MHW	
75B(I)5975R-5978R	10/3/75	1204-1212	1:30,000	Refer to following page for tide data.	

REMARKS

* Computation from Predicted Tide Tables.
All the above photography was ratioed to 1:10,000.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean-high water line is the photography listed under Item 1. See paragraph 35 of Compilation Report bound with this Descriptive Report.

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 above under Item 1.

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
No contemp. survey	TP-00743	TP-00750	No contemp. survey
REMARKS			

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP - 00742

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE in feet	MEAN RANGE in feet
75B5975R-5978R Arthur Kill	SANDY HOOK (Reference Sta.)		4.6
	Carteret (Sub.Sta.)	-.64 MLW	5.1
	Chelsea (Sub.Sta.)	-.62 MLW	5.0
	Elizabethport (Sub.Sta.)	-.60 MLW	4.9
NOTE: The reference station(s) ONLY were in operation at time of photography.			

REMARKS:

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

TP-00742

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD 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 R. S. Tibbetts	9/11/74
	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 ☐ 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

Premarked control

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74C(C)881	Linoleumville, Schoolhouse 2, 1931		
74C(C)853			
74C(C)897	Linden, Rose Hill Crematory Chimney, Sub. Sta. A		
74E(C)6856			

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 ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

2C & GS forms 152 (Control Station Identification Cards)

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

TP-00742

RECORD OF SURVEY USE

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
3		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

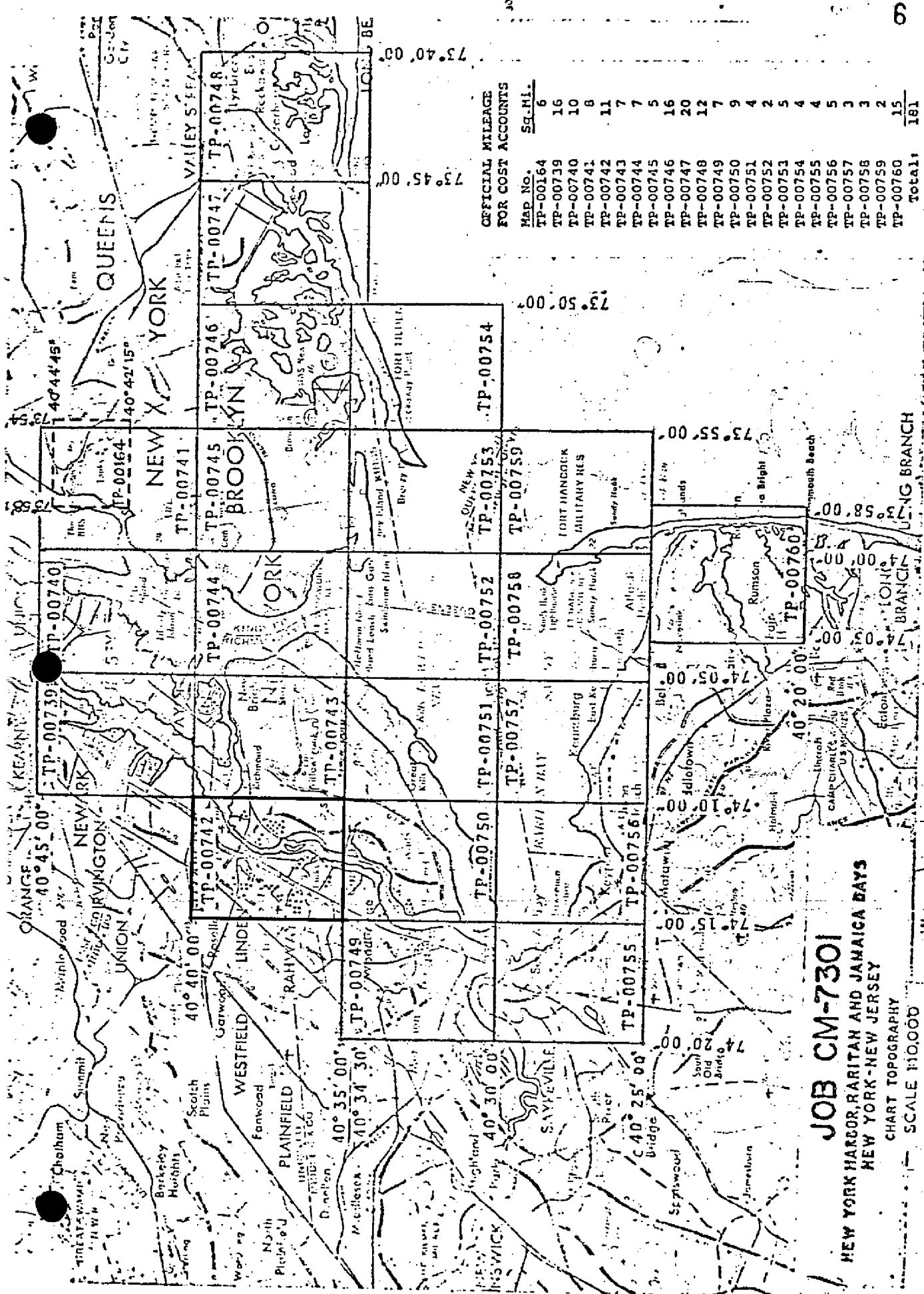
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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)

LONG BRANCH

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.

Photogrammetric Plot Report
New York Harbor, Raritan and Jamaica Bays, New York-New Jersey 10
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-00735 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

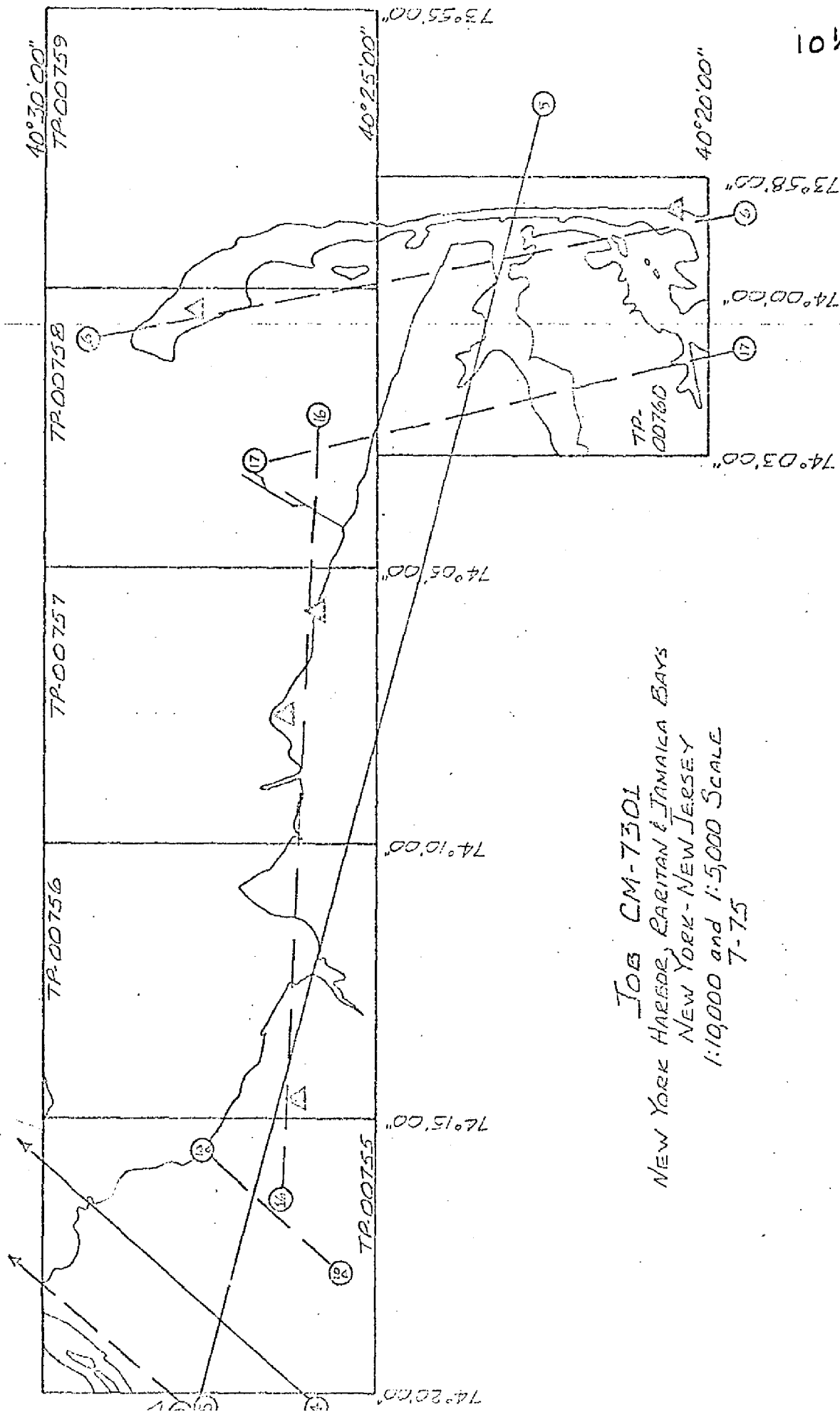
The photography was adequate as to coverage and overlap except for the 1:5,000 scale sheet, TP-00164. This photography has not been taken as of this report. Definition of the photography at all scales was very poor due to haze at time of photography.

Respectfully submitted,

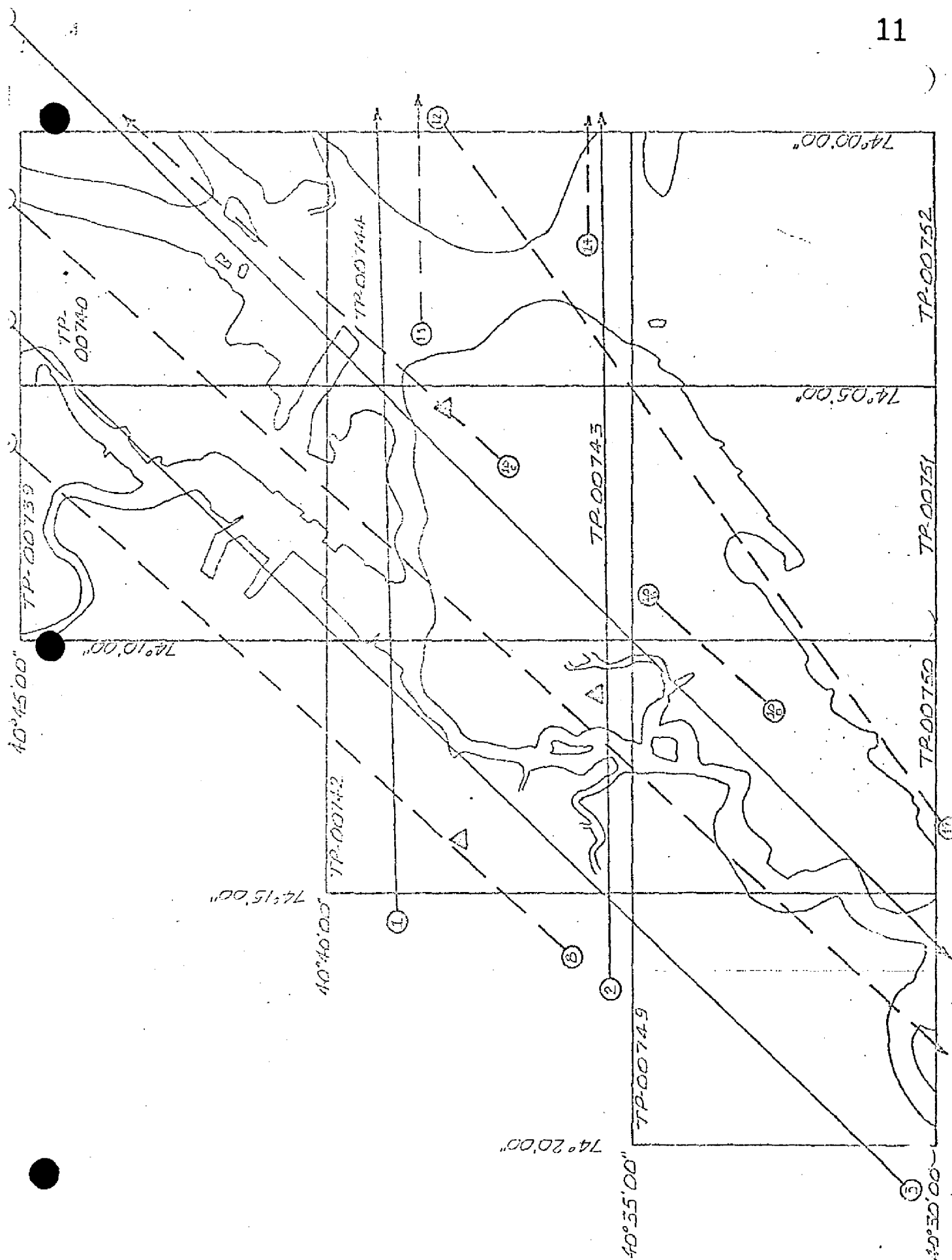
Ivor O. Raborn
Ivor O. Raborn

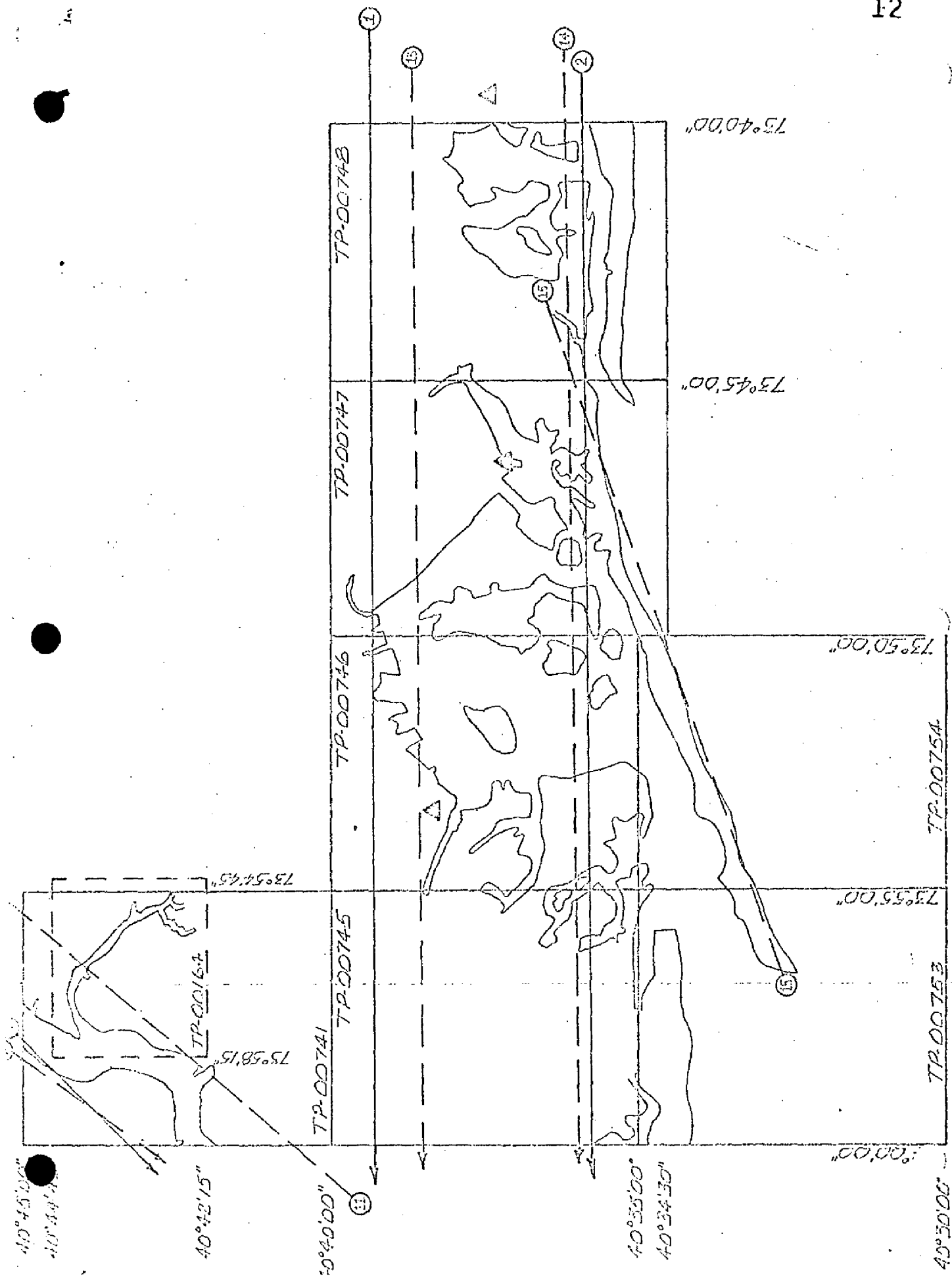
Approved and forwarded:

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



JOB CM-7301
 New York Harbor, 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.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
			STATE	ZONE		ϕ LATITUDE	λ LONGITUDE				
TP-00742		CM-7301									
	LINCOLN HILL SCHOOL HOUSE 2, 1931	NY Vol II GP-P.27			873100	X=		ϕ		Coastal Mapping Division, 101 Rockville, Md.	Not plotted on manuscript.
	LINDEN ROSE HILL CREMATORY CHY, 1931	NY Vol II GP-P.101			874100	X=		ϕ	40-37-33.843		
	ARTHUR KILL AMERICAN CYANAMID CO TALL TANK 1931	NJ Vol I GP-P.514			17	X=		ϕ	40-35-49.101		Appears to be destroyed on photography
	ELIZABETH THOMAS + BETTS CO TANK 1931	NJ Vol I GP-P.548			22	X=		ϕ	40-38-46.258		Not plotted on sheet.
	PORT IVORY, PROCTER GAMBLE SOAP WORKS N. CHY 1913	NY Vol II GP-P.166			72	X=		ϕ	40-38-17.680		
	ARTHUR KILL WARNER QUINLAN CO WEST CHY 1931				73	X=		ϕ	74-10-52.839		Not plotted. Appears to be destroyed.
	TRAVIS ST ANTHONYS CATHOLIC CHURCH STEEPLE 1931	NY Vol II GP-P.99			74	X=		ϕ	40-35-33.530		
	CARTERET VA-CAROLINA CHEM. CO. TANK 1930	NJ Vol I GP-P.514			81	X=		ϕ	40-35-23.629		Appears to be destroyed. Not plotted on sheet.
	BAYWAY LOW TANK 1931	NJ Vol I GP-P.516			119	X=		ϕ	40-38-29.226		Not plotted. Appears to be destroyed on photos
	BAYWAY SIMMONS CO. TALL CHY 1931	NJ Vol I GP-P.516			120	X=		ϕ	40-38-23.382		Not plotted. Appears to be destroyed.
COMPUTED BY	N/A				DATE	COMPUTATION CHECKED BY				DATE	
LISTED BY	G. Vanderhaven				DATE	LISTING CHECKED BY	G. Fromm			DATE	11-7-75
HAND PLOTTING BY	N/A				DATE	HAND PLOTTING CHECKED BY	N/A			DATE	

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODEIC DATUM		ORIGINATING ACTIVITY		
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET STATE ZONE		GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		REMARKS
ELIZABETH FULTON SPECIALTY CO. ROOF TANK 1931		NJ Vol I GP-P.548		X= Y=		φ 40-38-49.712 λ 74-11-19.726		
ELIZABETH ST ADELBERTS CHURCH DOME 1931		NJ Vol I GP-P.548		X= Y=		φ 40-39-05.391 λ 74-11-31.368		
ELIZABETH EAST SAIRE 1931		NJ Vol I GP-P.459		X= Y=		φ 40-39-07.121 λ 74-11-12.824		
ELIZABETH SINGER SEWING MACHINE CO TANK 1931		NJ Vol I GP-P.549		X= Y=		φ 40-39-12-436 λ 74-10-29.884		Not plotted on sheet
TRAVIS HUID MOHLENHOFFS GREEN HOUSE CO. EAST CHY 1931		NJ Vol I GP-P.99		X= Y=		φ 40-35-45.589 λ 74-10-54.729		Not plotted. Appears to be destroyed on photograph.
ARTHUR KILL WARNER-- QUINLAN CO. EAST CHY 1931		NJ Vol I GP-P.515		X= Y=		φ 40-36-01.999 λ 74-12-10.575		Not plotted on sheet. Appears to be destroyed from photograph
ANILINE 1931		NJ Vol I GP-P.422		X= Y=		φ 40-36-44.128 λ 74-12-41.575		Not plotted on manuscript
ARTHUR KILL BAYWAY TERMINAL CO. TANK 1931		NJ Vol I GP-P.516		X= Y=		φ 40-36-10.746 λ 74-12-00.681		
				X= Y=		φ λ		
				X= Y=		φ λ		
				X= Y=		φ λ		
COMPUTED BY		N/A		COMPUTATION CHECKED BY		N/A		DATE
LISTED BY		G. Vanderhewen		LISTING CHECKED BY		G. Fromme		DATE
HAND PLOTTING BY		N/A		HAND PLOTTING CHECKED BY		N/A		DATE

TP-00742
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. The eastern shoreline of Arthur Kill between latitudes $40^{\circ}38'10''$ and $40^{\circ}38'40''$ and the shoreline of the Elizabeth River were updated by graphic compilation from the 1975 infrared photography.

Alongshore and foreshore features were delineated by office interpretation of the color photography and updated graphically from the 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.

* Refer to REVIEW REPORT, item 67.

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.

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:

Arthur Kill, N.Y.-N.J., 1:24,000 scale, 1966 Edition
Elizabeth, N.Y.-N.J., 1:24,000 scale, 1967 Edition

No significant changes were noted.

47. Comparison with Nautical Charts

A comparison has been made with the following nautical charts:

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

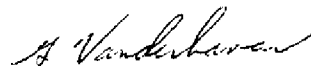
12328 (formerly 369-SC), scale 1:40,000, 12th Edition, dated
February 1, 1975.

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

Items to be applied to Nautical Charts immediately - None.

Items to be carried forward - None.

Submitted by:



G. Vanderhaven

Approved and Forwarded:



George M. Ball
Chief, Special Projects Section

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00742

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. Freeman
14 Oct 76

Supervisor

Greg M. Ben



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-00742

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.

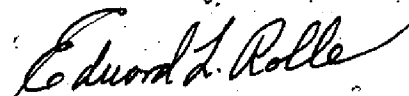
67. The Mean Low Water Line

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.

68. Marsh

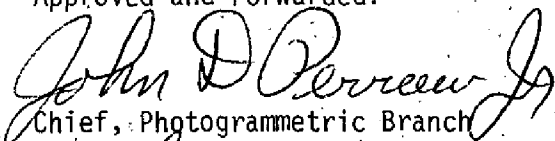
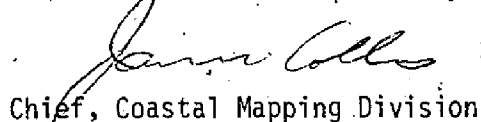
The back limits of "fingers of marsh" were not compiled, where the horizontal distance to the apparent shoreline was 15 meters or less at map scale. No attempt was made to displace these limits or to label "finger of marsh," because of the dense concentration of other map detail.

Submitted by:



Edward L. Rolle

Approved and Forwarded:


Chief, Photogrammetric Branch
Chief, Coastal Mapping Division

March 22, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00742

Arthur Kill	Old Place Creek
Carteret	Peach Orchard Brook
Central RR of N.J.	Piles Creek
Chelsea	Port Ivory
Elizabeth	Potters Island
Elizabethport	Pralls Creek
Elizabeth River	Pralls Island
Grasselli	Rahway River
Great Ditch	Sawmill Creek
Gulfport	Springville Creek
Howland Hook	Staten Island
Linden	Staten Island Rapid Transit
Main Creek	Travis
Marshes Creek	Tremley
Morses Creek	Tremley Point
Neck Creek	West Carteret
Newark Bay	

Approved by:


Charles E. Harrington, C51x2
Staff Geographer

DATA TAB
VERSION
770818

76-4000
LISTING1
PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

PAGE 1 OF 3

~~STANLEY PARK~~ - CMTD ROCKVILLE, MD. - #

1911

42*

SVY TP-0

JOB	CM-7301	* NONFLOATING AIDS FOR CHARTS	* STATE	NEW YORK	NEW JERSEY*
PRJ	N Y HARBOR*	TO BE REVISED	* LOCALITY	ARTHUR KILL	* 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
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RECORD REASON FOR DELETION
CHARTING*

NAME	* PUT TRIANGULATION NAMES IN () *	LONGITUDE	DP	DGTZD*	OFFICE	* FIELD
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NEW YORK HARBOR
ARTHUR KILL

FRONT * PRALLS ISLAND CHANNEL RANGE
LIGHT * FRONT LIGHT

REAR * PRALLS ISLAND CHANNEL RANGE

LIGHT * REAR LIGHT

LT A * GULFPORT PILE LIGHT A
* PRIVATE AID

LT B * GULFPORT PILE LIGHT B

* PRIVATE AID

LT C * GULFPORT PILE LIGHT C
* PRIVATE AID

LT D * GULFPORT PILE LIGHT D

* PRIVATE AID

* *
NEW YORK HARBOR
KILL VAN KULL
* *

LIGHT * ELIZABETHPORT LIGHT

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-LT 18 *

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TYPE OF ACTION	*
1. <u>General</u>	
2. <u>Specific</u>	
3. <u>Other</u>	
4. <u>None</u>	
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POSITIONS DETERMINED
AND/OR VERIFIED BY

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ORIGINATOR

POSITIONS DETERMINED
AND/OR VERIFIED BY
FIELD AND OFFICE
ACTIVITIES

NO FIELD EDIT-CLASS III MAP
G. VANDERHAVEN
NOT DIGITIZED
G. FROMM

FIELD REPRESENTATIVE
OFFICE COMPILER
DIGITIZER
DATA PROCESSOR

TP-00742

National Archives Data

Two C&GS Forms 152 (Control Station Identification)

Photography: 74-C(C) 853, 881 & 897
74-E(C) 6856

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

FORM CAGS-8352 SUPERSEDES ALL EDITIONS OF FORM CAGS-876.