

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 (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00743	
DESCRIPTIVE REPORT - DATA RECORD				☒ ORIGINAL		MAP EDITION NO. 1	
				☐ RESURVEY		MAP CLASS III	
				☐ REVISED		JOB CM-7301	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division - Rockville, Md.				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				☐ ORIGINAL		MAP CLASS _____	
Commander James Collins				☐ RESURVEY		SURVEY DATES:	
				☐ REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Instructions-AEROTRIANGULATION-3/27/75				Instructions-FIELD-1/23/74			
Instructions-OFFICE-8/7/75				Instructions-FIELD-Amendment II - 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				4. GRID(S)			
Transverse Mercator				STATE New York		ZONE East	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				I. Raborn		8/75	
METHOD: Analytic LANDMARKS AND AIDS BY				N/A			
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		9/75	
METHOD: Coradomat CHECKED BY				N/A			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				G. Vanderhaven		2/76	
COMPILATION CHECKED BY				G. Fromm		2/76	
INSTRUMENT: B-8 CONTOURS BY				N/A			
SCALE: 1:15,000 CHECKED BY				N/A			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				K. Baker		7/76	
CHECKED BY				G. Vanderhaven		7/76	
METHOD: Smooth Drafting CONTOURS BY				N/A			
CHECKED BY				N/A			
HYDRO SUPPORT DATA BY				N/A			
SCALE: 1:10,000 CHECKED BY				N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				G. Fromm		10/14/76	
BY				N/A			
6. APPLICATION OF FIELD EDIT DATA CHECKED 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				R.T. Cator		May 1978	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00743
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8(E) RC-10(B) Focal Lengths (152.7mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED B&W		ZONE	☒ STANDARD
☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				Eastern	☐ DAYLIGHT
		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. MHW	
74E(C) 7135-7137	10/19/74	1215-1222	1:30,000	* +.31 Ft. MHW	
75B5961R-5962R(I)	10/3/75	1152-1156	1:30,000	Refer to following page 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 ^{is} ~~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

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

TIDE - COORDINATED PHOTOGRAPHY

TP - 00743

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

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 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	
	☐ COMPLETE BY	
	☐ 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)883 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 ☒ 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)

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

RECORD OF SURVEY USE

TP-00743

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

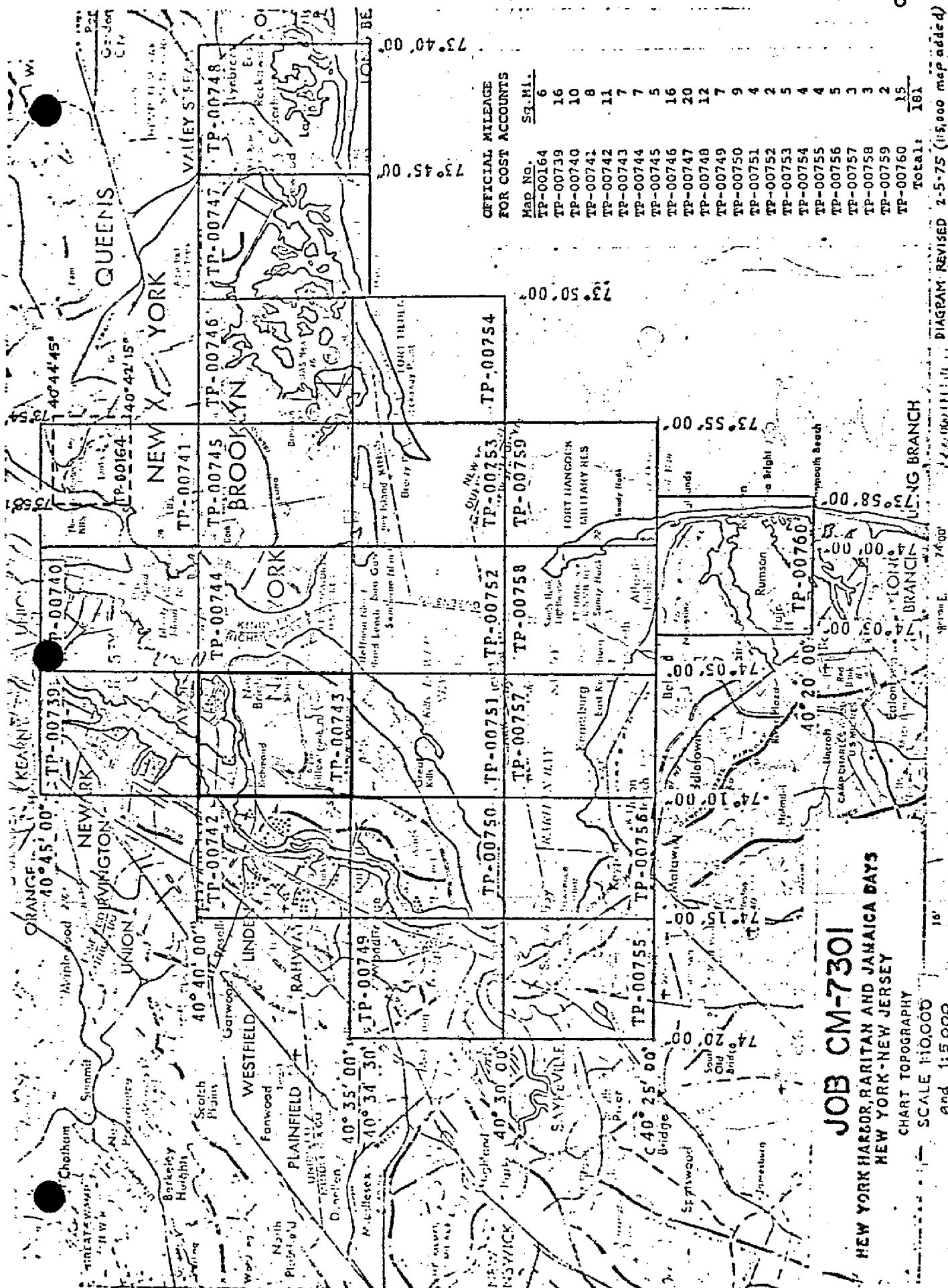
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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	



OFFICIAL MILEAGE
FOR COST ACCOUNTS
Map No. Sq.Ml.

Total:

DIAGRAM REVISED 2-5-75 (115,000 map added)

6

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.

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

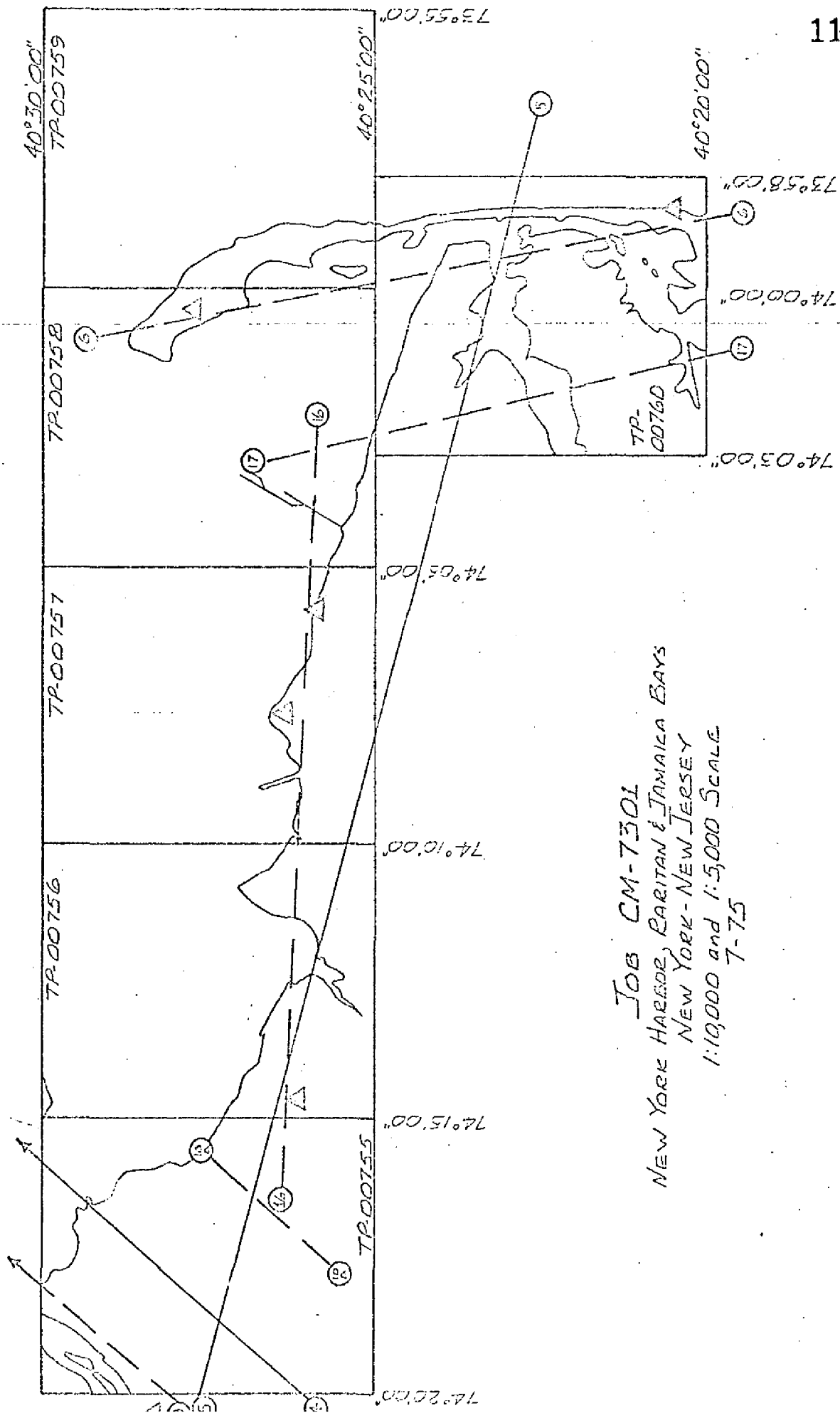
The photography was adequate as to coverage and overlap except for the 1:5,000 scale sheet, TP-00164. This photography has not been taken as of this report. Definition of the photography at all scales was very poor due to haze at time of photography.

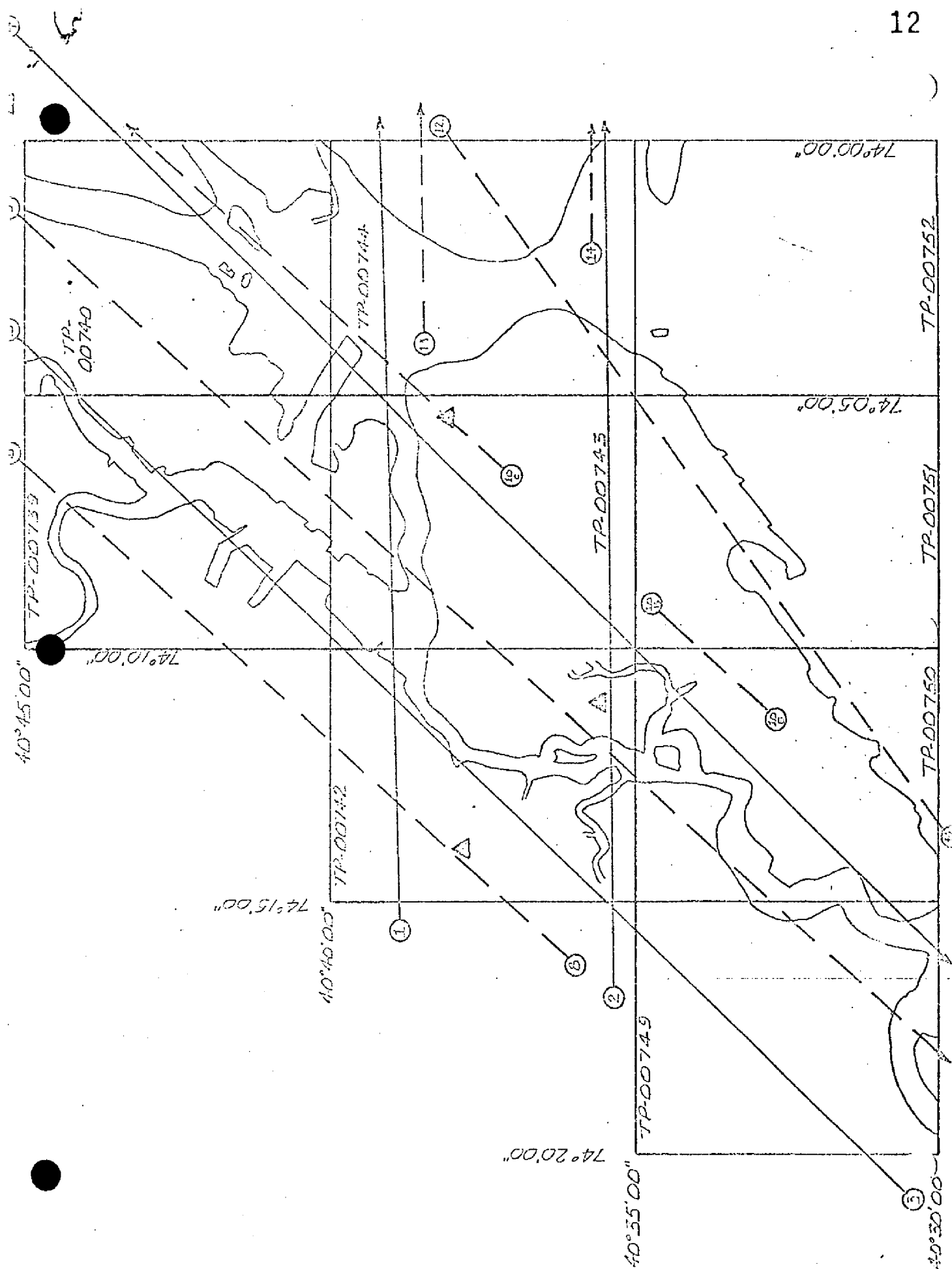
Respectfully submitted,

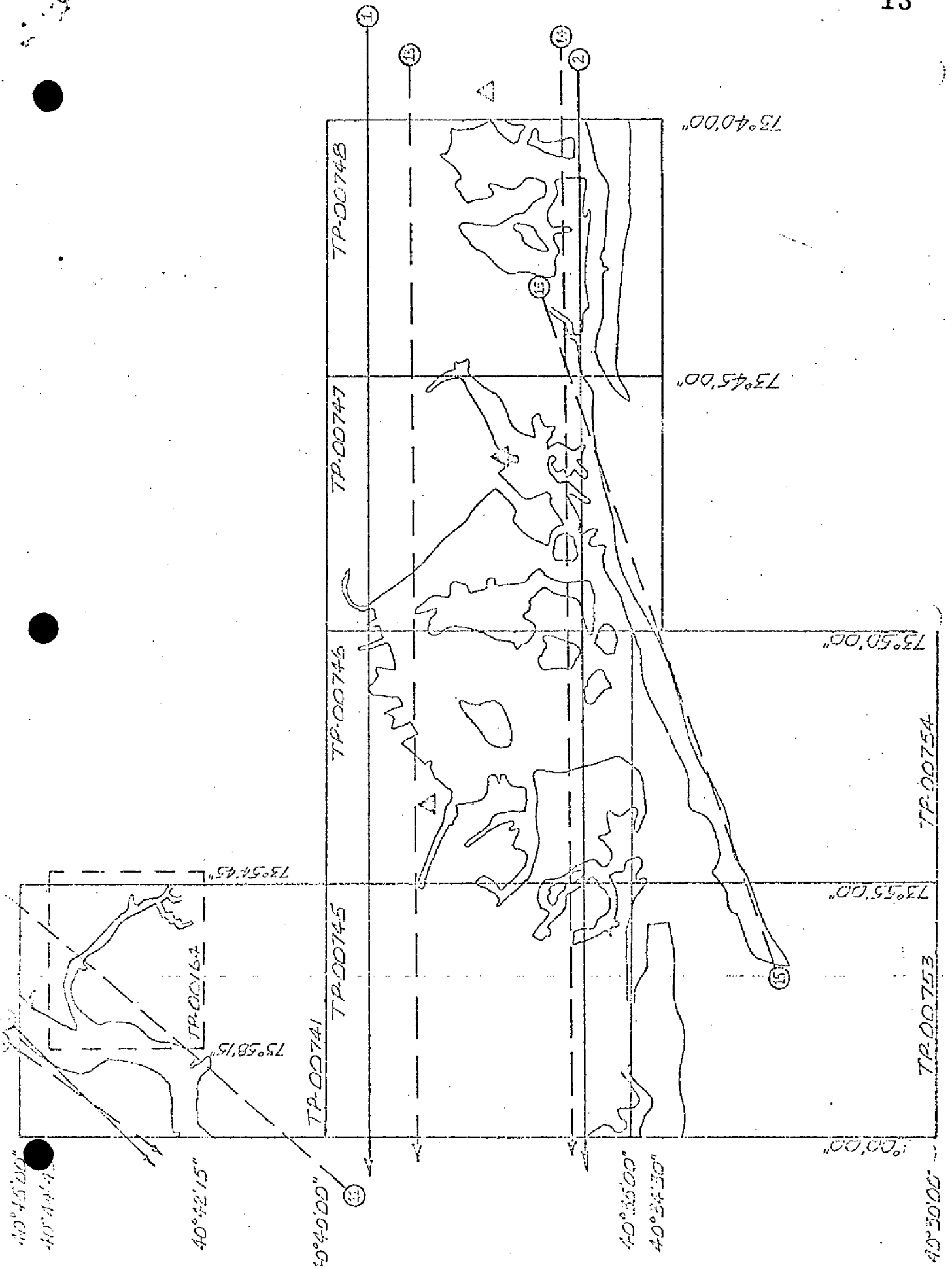
Ivey O. Raborn
Ivey O. Raborn

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.	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
				STATE	ZONE	φ LATITUDE	λ LONGITUDE		
TP-00743		CH-7301							
	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		
	ACADEMY DOME 1930	GP-P.123		Y=		λ	74-05-41.412		Not plotted
	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	40-36-29.952		Not plotted
	HOME 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 I	833110	X=		φ	40-39-08.413		Not plotted
	CO TANK 1930	GP-P.251		Y=		λ	74-05-33.399		
	STAPLETON HERRMANN'S	NY Vol II	65	X=		φ	40-37-32.312		
	CUPOLA 1930	GP-P.123		Y=		λ	74-05-17.503		
	TOMPKINSVILLE AS. #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. Vanderharen		DATE 11/7/75	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

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

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

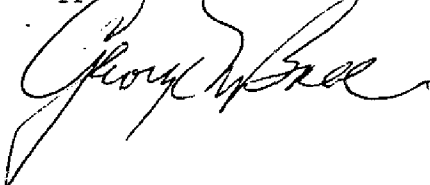
Items to be carried forward - None.

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. E. Eramm* 14 Oct 76Supervisor *James H. 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

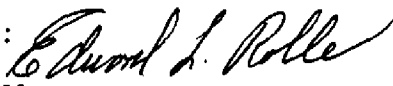
Refer to item 47 in the Compilation Report bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

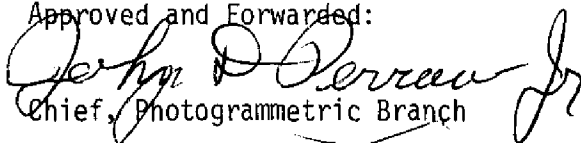
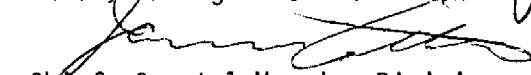
This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau standards.

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

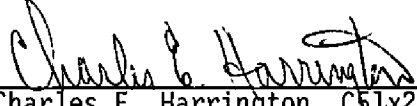
Port Johnson

Port Richmond

Shooters Island

Staten Island

Approved by:


Charles E. Harrington, GS1x2
Staff Geographer

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

ADDITIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

DATA TAB
VERSION
770818

LISTING

SVY	TP-00743	*	NONFLOATING AIDS FOR CHARTS	*	RPT UNIT	CMD ROCKVILLE, MD.	*	PAGE 1 OF 5	*
JOB	CM-7301	*		*	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 *

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

	* NEW YORK HARBOR - UPPER BAY	*		*	*	*	*	*	*	*
	* NEW JERSEY COAL DOCK CHANNEL	*								
FROM LIGHT	* CONSTABLE HOOK RANGE FRONT LT	*	00 00 00.00	0.0	NOT UNVERIFIED*					285 541 12327
		*	00 00 00.00	0.0	DGTZD*					
REAR LIGHT	* CONSTABLE HOOK RANGE REAR LT	*	00 00 00.00	0.0	NOT UNVERIFIED*					285 541 12327
		*	00 00 00.00	0.0	DGTZD*					
LIGHT	* EXXON DOLPHIN LIGHT	*	00 00 00.00	0.0	NOT UNVERIFIED*					285 541 12327
		*	00 00 00.00	0.0	DGTZD*					

[illegible]

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

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY
DEPARTMENT OF COMMERCE USA

LISTING

* SVY TP-00743 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 2 OF 5 *
 * JOB CM-7301 * NONFLOATING AIDS FOR CHARTS *
 * PRJ N Y HARBOR * 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 *

* LIGHT * LIGHT 16 * 40 38 52.02 1604.6 * 74E(C)7089 * 285 *
 * 16 * 74.09 43.23 1015.7 * 10/19/74 * 12327 *
 * 12328 *

* LIGHT * SHOOTERS ISLAND LIGHT 2 * 40 38 28.53 880.0 * 74E(C)7089 * 285 *
 * 2 * 74 09 37.16 873.2 * 10/19/74 * 12327 *
 * 12328 *

* * * * *
 * * * * *
 * * NEW YORK HARBOR - NEWARK BAY * * * * *
 * * * * *

* -LT 2 * CHANNEL LIGHT 2 * 40 38 36.93 1139.1 * 74E(C)7089 * 285 *
 * * 74 08 56.04 1316.8 * 10/19/74 * 12327 *
 * 12328 *

* -LT 9 * * 40 39 51.90 1600.9 * 74E(C)7089 * 285 *
 * * 74 08 24.25 569.6 * 10/19/74 * 12327 *
 * 12328 *

* * * * *
 * * * * *
 * * NEW YORK HARBOR - NEWARK BAY * * * * *
 * * NEWARK BAY RANGE CHANNEL * * * * *

* -RGE * * 40 39 41.70 1286.3 * 74E(C)7089 * 285 *
 * F LT * 74 09 33.18 779.4 * 10/19/74 * 12327 *
 * 12328 *

* -RGE * * 40 39 42.51 1311.3 * 74E(C)7089 * 285 *
 * R LT * 74 09 35.64 837.2 * 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 PROCESSER *

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

SVY	TP-00743	LANDMARKS FOR CHARTS TO BE REVISED	RPT UNIT	CMD	ROCKVILLE, MD.	STATE	NEW YORK	NEW JERSEY	ORIGINATING ACTIVITY	PAGE	3 OF 5	COMPILATION
JOB	CM-7301		LOCALITY	KILL VAN KULL	DATE	09/08/77						
PRJ	NY HARBOR											
DTM	NA 1927											
THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS												
CHARTING	RECORD REASON FOR DELETION	DESCRIPTION	POSITION	CMD	ALTEK	METHOD AND DATE	OF LOCATION	CHARTS	AFFECTED			
NAME	PUT TRIANGULATION NAMES IN ()		LATITUDE	DM	DP	LONGITUDE	OFFICE	FIELD				
TALL	(W BRIGHTON SEAVIEW 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-PIPE	(STAPLETON STANDPIPE 1930)		40 37 12.16	375.1	NOT	74E(C)7136						285
			74 05 26.88	631.8	DGTZD	10/19/74						541
CUPOLA	(STAPLETON HORMAYNS 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						12327
CUPOLA	(WHITE DOME 1930)		74 05 22.93	538.8	DGTZD	10/19/74						285
CHURCH	(NEW BRIGHTON ST PETERS		40 38 49.47	1525.9	NOT	74E(C)7136						12327
TOWER	(CATH CHURCH TOWER 1930)		74 05 07.43	174.6	DGTZD	10/19/74						285
												541
SPIRE	(BAYONNE ST MARYS CATH CHURCH		40 39 30.15	930.0	NOT	74E(C)7089						12327
	(SPIRE 1913)		74 07 34.75	816.3	DGTZD	10/19/74						285
SPIRE	(BAYONNE MT CARMEL CATH CHURCH		40 39 45.32	1397.9	NOT	74E(C)7089						12328
	(EAST TWIN SPIRE 1930)		74 07 04.99	117.2	DGTZD	10/19/74						285
SPIRE	(BAYONNE MT CARMEL CATH CHURCH		40 39 45.56	1405.3	NOT	74E(C)7089						12327
	(WEST TWIN SPIRE 1930)		74 07 05.48	128.7	DGTZD	10/19/74						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 PROCESSER

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

76-40
LISTING

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* SVY TP-00743 *
* JOB CM-7301 *
* PRJ N Y HARBOR*
* DTM NA 1927 *

LANDMARKS FOR CHARTS
TO BE REVISED

* RPT UNIT CMD ROCKVILLE, MD. * PAGE 4 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 *

**	DESCRIPTION	* POSITION	CMD *	METHOD AND DATE	*
**CHARTING*	RECORD REASON FOR DELETION	* LATITUDE	ALTEK*	OF LOCATION	* CHARTS *
** NAME *	PUT TRIANGULATION NAMES IN ()	* LONGITUDE	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*	12328
	*	74	08	40.96	962.4	* 10/19/74 *	285
	*						12327
	*						12328
CHY	*	40	38	45.03	1389.0	*74E(C)7089*	285
	*	74	08	32.57	765.3	* 10/19/74 *	12327
	*						12328
TANK	*	40	38	43.30	1335.6	*74E(C)7089*	285
	*	74	08	35.47	833.4	* 10/19/74 *	12327
	*						12328

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

[illegible]

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

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COASTAL MAPPING DIVISIONNATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

PAGE 5 OF 5

LANDMARKS FOR CHARTS
TO BE REVISEDORIGINATING ACTIVITY
COMPILATION

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

METHOD AND DATE

OF LOCATION

FIELD

AFFECTED

CHARTS

NAME

PUT TRIANGULATION NAMES IN ()

LATITUDE

LONGITUDE

DP

CMD

ALTEK

OFFICE

DGTZD

NOT

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DGTZD

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DGTZD

TYPE OF ACTION

NAMES OF RESPONSIBLE PERSONNEL

ORIGINATOR

POSITIONS DETERMINED
AND/OR VERIFIED BY
FIELD AND OFFICE
ACTIVITIESNO FIELD EDIT-CLASS III MAP
G. VANDERHAVEN
NOT DIGITIZED
G. FROMMFIELD REPRESENTATIVE
OFFICE COMPILER
DIGITIZER
DATA PROCESSOR

27

TP-00743

National Archives Data

One C&GS Form 152 (Control Station Identification)

Photography: 74-C(C) 883 & 74-E(C) 6860

