

ORIGINAL

TP-00748

TP-00748

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-00748
Classification No. III Edition No. ... 1

LOCALITY

State New York
General Locality Nassau Co. & Queens Co.
Locality Reynolds Channel

19 74 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		SURVEY TP. 00748	
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)				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			
Instruction-AEROTRIANGULATION-3/27/75				Instructions-FIELD-1/23/74			
Instruction-OFFICE-8/7/75				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				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				K. Baker		3/31/76	
COMPILATION CHECKED BY				G. Fromm		3/31/76	
INSTRUMENT: B-8				CONTOURS BY		N/A	
SCALE: 1:15,000				CHECKED BY		N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				K. Baker		4/29/76	
CHECKED BY				G. Fromm		7/27/76	
METHOD: Smooth Drafting				CONTOURS BY		N/A	
SCALE: 1:10,000				CHECKED BY		N/A	
HYDRO SUPPORT DATA BY				N/A			
CHECKED BY				N/A			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				G. Fromm		10/14/76	
CHECKED BY				N/A			
6. APPLICATION OF FIELD EDIT DATA BY				N/A			
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. Carter		May 1978	

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

TP-00748

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8(E) RC-10(B)
152.7mm focal lengthsTYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☒ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED B&W

ZONE

Eastern

☒ STANDARD

MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C)7048-7052	10/19/74	1111-1119	1:30,000	* +.23 Ft. MHW
74E(C)7056-7060	10/19/74	1125-1132	1:30,000	* +.57 Ft. MHW
75B(I)5934R-5938R	10/3/75	1117-1122	1:30,000	Refer to following page for tide information.
75B(I)5991R-5995R	10/3/75	1221-1225	1:30,000	
75B(I)5941R-5942R	10/3/75	1130-1135	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 1.

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

The source of the mean-low water line is ratioed prints of the black-and-white
tide-coordinated infrared photography listed 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	No contemp. survey	No contemp. survey	TP-00747

REMARKS

NOAA FORM 76-36B
(3-72)

TIDE - COORDINATED PHOTOGRAPHY

TP - 00748

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
75B5935R-5938R (Outer coast)	Long Beach (Sub.Sta.)	-.70 MLW	4.5
75B5992R-5994R (Reynolds Channel)	East Rockaway Inlet (Sub.Sta.)	-.54 MLW	4.1
75B5992R-5994R (Hewlett Bay)	East Rockaway (Sub.Sta.)	-.66 MLW	3.9
75B5992R-5994R (Brosewere Bay)	Woodmere (Sub.Sta.)	-.65 MLW	3.9
75B5941R-5942R (Grassy Bay)	JFK International (Sub.Sta.)	-.19 MLW	5.3
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~~ this Descriptive Report.

HISTORY OF FIELD OPERATIONS

TP-00748

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	9/74
2. HORIZONTAL CONTROL	RECOVERED BY R.S. Tibbetts	9/5/74
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY R.S. Tibbetts	9/5/74
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 BY	
	☒ 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
74-C(C) 861 74-E(C) 6879	Daly, 1965		

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

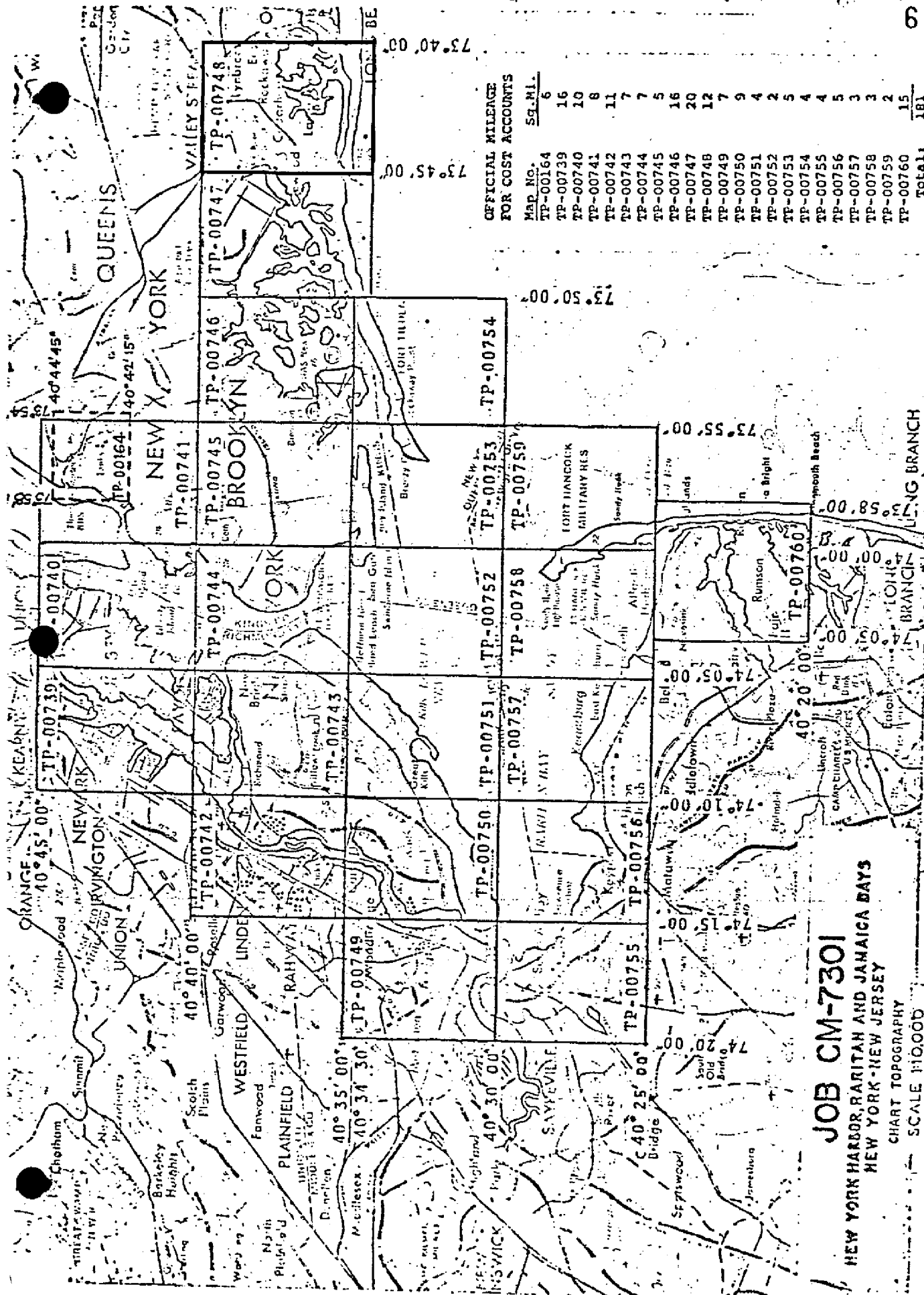
7. SUPPLEMENTAL MAPS AND PLANS

None

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

IC&GS form 152 (control station identification)

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
TP-00748		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	
8		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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	



JOB CM-7301
NEW YORK HARBOR, RARITAN AND JAMAICA BAYS
NEW YORK-NEW JERSEY

CHART TOPOGRAPHY
 SCALE 1:5,000
 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

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-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.

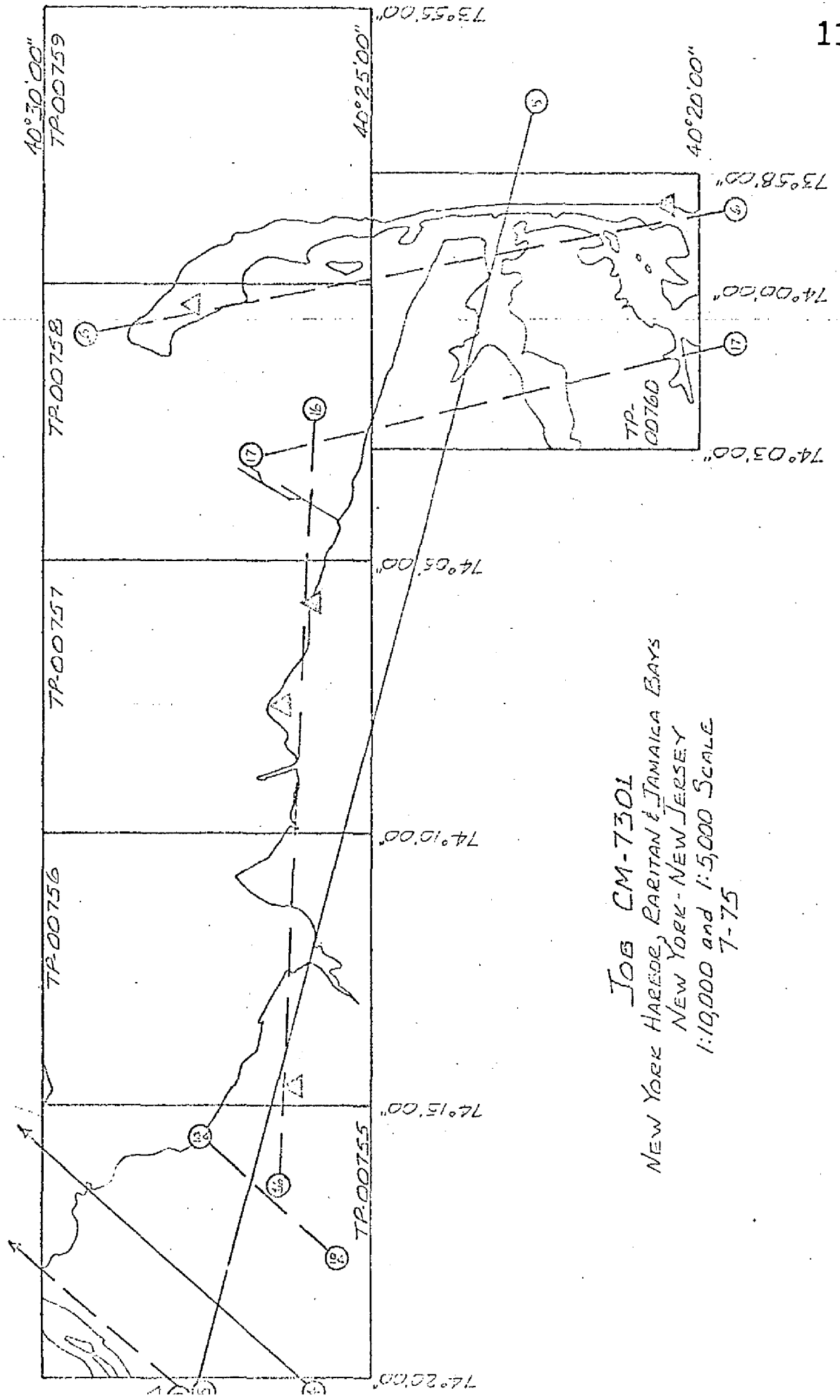
Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn

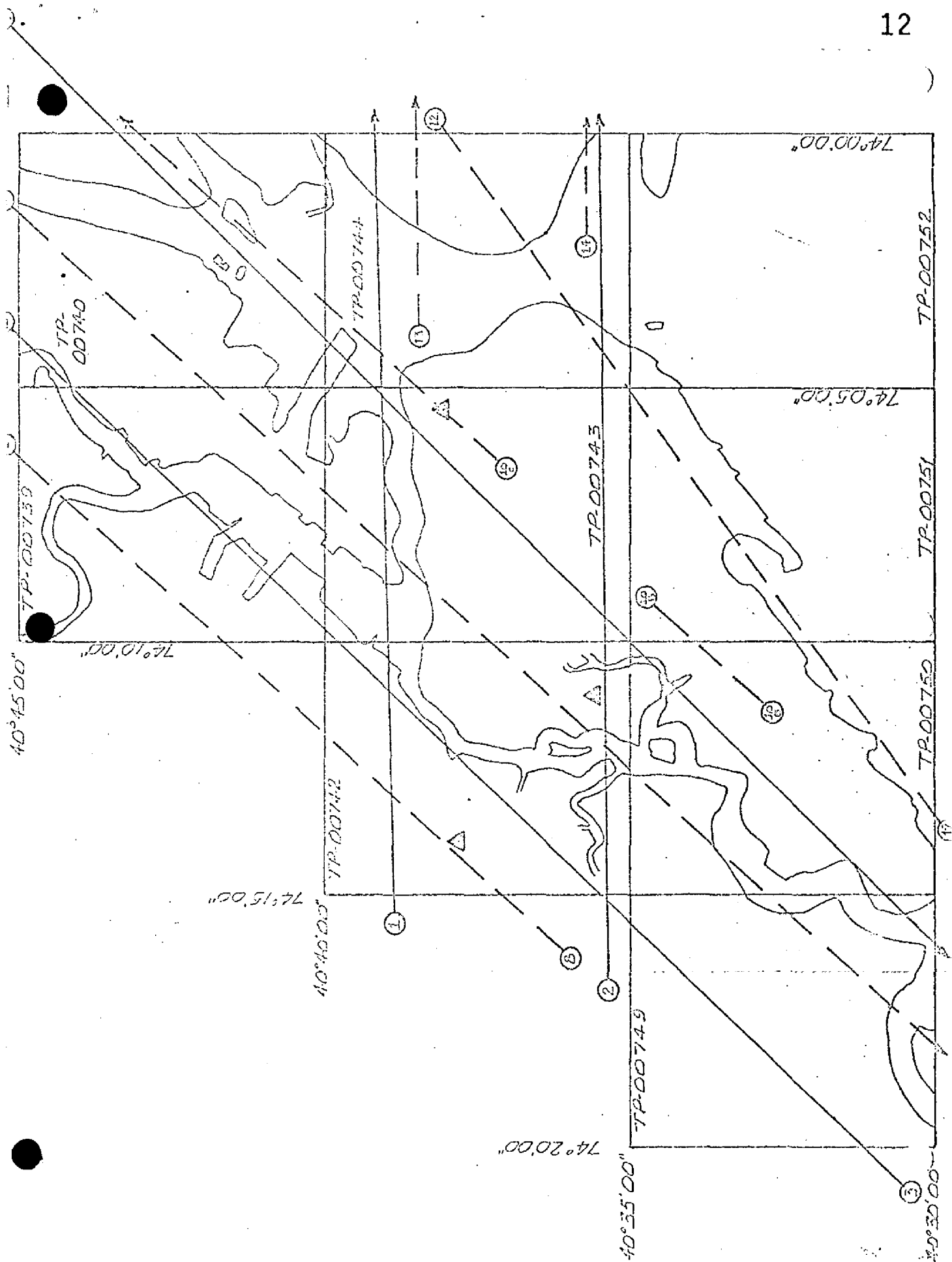
Approved and forwarded:

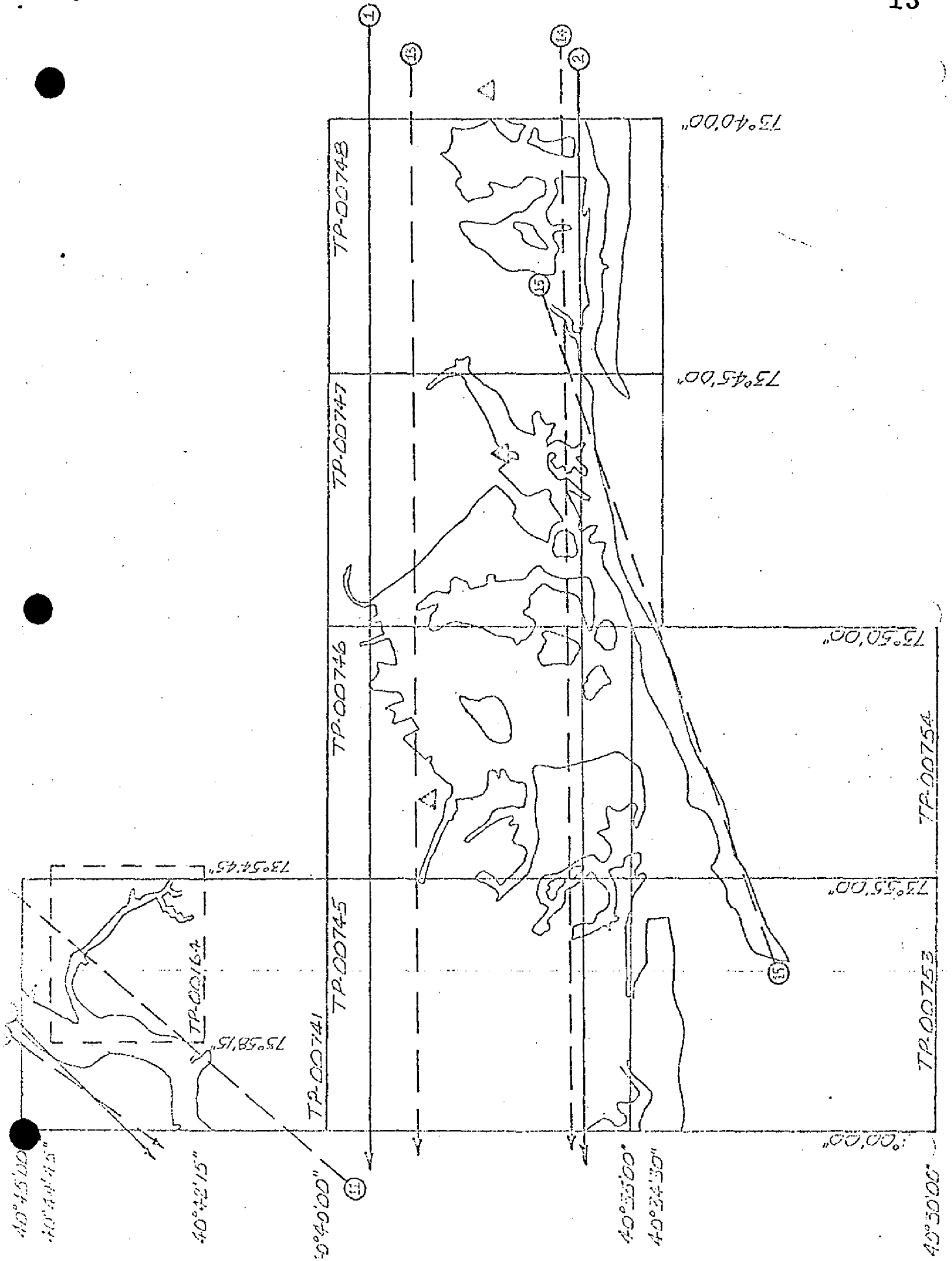
John D. Perrow, Jr.
John D. Perrow, Jr.

Chief, Aerotriangulation Section



JOB 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	50,000	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

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

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY	
					COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS	
TP-00748	JAMAICA BAY MOTTS CREEK INCINERATOR CHY 1931	CM-7301	NY VOL II	865110	X=	φ 40-37-50.090	Coastal Mapping Div. Rockville Md.	
	LAWRENCE HIGH SCHOOL DOME 1951	GP-P.93	NY VOL II	860110	Y=	λ 73-44-32.271		
	LONG BEACH WEST END SCHOOL CHIMNEY 1926	GP-P.446	NY VOL III	60	X=	φ 40-36-36.25835		
	CASA DEL MAR CUDDEIA 1931	GP-P.75	NY VOL III		Y=	λ 73-44-08.96785		
	EAST ROCKAWAY ENLET FLAGTOWER 1926	NY VOL 3			X=	φ 40-35-13.893	Not plotted on manuscript.	
	LONG BEACH FIRE ENGINE HOUSE TOWER 1926	NY VOL III GP. P.74			Y=	λ 73-44-07.919	Not plotted on manuscript. Recovery note indicates lost.	
					X=	φ 40-35-16.27		
					Y=	λ 73-43-33.40		
					X=	φ 40-35-10.015	Not plotted on manuscript. Recovery note indicates the station to have been removed.	
					Y=	λ 73-41-29.152		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
					X=	φ		
					Y=	λ		
COMPUTED BY	N/A				COMPUTATION CHECKED BY	N/A	DATE	
LISTED BY	G. Fromm				LISTING CHECKED BY	G. Ball	DATE Nov 10 1975	
HAND PLOTTING BY	N/A				HAND PLOTTING CHECKED BY	N/A	DATE	

TP-00748
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 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.

* 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 ~~from~~^{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:

Lawrence, N.Y., Scale 1:24,000, 1966 Edition
Lynbrook, N.Y., Scale 1:24,000, 1969 Edition

No significant changes were noted.

47. Comparison with Nautical Charts

A comparison has been made with the following nautical charts:

Chart 12352 (formerly 120-SC), 1:20,000 scale, 12th Edition, dated November 16, 1974.

Chart 542, 1:20,000 scale, 40th Edition, dated December 15, 1973.

Items to be applied to Nautical Charts immediately - None.

Items to be carried forward - None.

Submitted by:

Karin Baker
Karin Baker

Approved and Forwarded:

George W. Baker

COMPILATION OFFICE CHECK LIST

CLASS III MANUSCRIPT

TP - 00748

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. Eramm*14 Oct 76Supervisor *Raymond Brea*



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- 00748

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

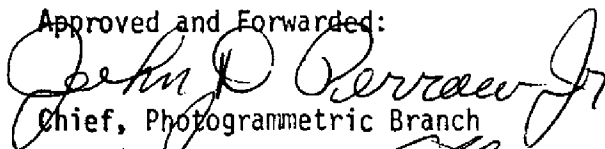
Because water penetration is apparent on the ratioed tide-coordinated infrared photography, the outermost photographic image of land, along the water-land interface line, was delineated as the approximate mean low water line. This approach was taken to add an element of boating safety for users of the 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:

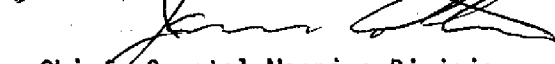
Edward L. Rolle



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-00748

Atlantic Beach (locality)	Grant Pond	North Green Sedge
Atlantic Beach	Green Sedge Point	North Woodmere
Atlantic Ocean	Harbor Isle	Norton Point
Bannister Bay	Head of Bay	Nums Marsh
Bannister Creek	Hempstead Bay	Pearsalls Hassock
Bay Park	Hewlett Bay	Post Marsh
Big Hassock	Hewlett Harbor	Ramscat Channel
Black Banks Hassock	Hewlett Hassock	Reynolds Channel
Broad Channel	Hewlett Neck	Sage Pond
Browsewre Bay	Hicks Beach	Sand Bar Point
Cedarhurst	Hog Island Channel	Simmons Hassock
Cedar Island	Hook Creek	South Green Sedge
Cedar Island Creek	Lawrence	Thixton Creek
Cedar Island Marsh	Lawrence Marsh	Three Cornered Hassock
Charles Point	Long Beach (locality)	Thurston Basin
Crooked Creek	Long Beach	Uncle Daniels Point
Duck Point	Macy Channel	Valley Stream
East Atlantic Beach	Meadowmere Park	Willow Pond
East Rockaway	Motts Creek	Woodmere Channel
East Rockaway Inlet	Neds Hole Creek	Woodsburgh Channel
Georges Creek		

Approved by:


Charles E. Harrington, C51x2
Staff Geographer

* SVY	TP-00748	* NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD ROCKVILLE, MD.	* PAGE	1 OF 8	* * *
* JOB	CM-7301	* TO BE REVISED	* STATE	NEW YORK	* ORIGINATING	ACTIVITY	* * *
* PRJ	N Y HARBOR		* LOCALITY	REYNOLDS CHANNEL	* COMPILATION		* * *
* DTM	NA 1927		* DATE	08/12/77			* * *
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *							
* CHARTING*	RECORD REASON FOR DELETION	* POSITION	CMD *	METHOD AND DATE	* CHARTS		* * *
* NAME *	PUT TRIANGULATION NAMES IN ()	* LATITUDE	DM	OF LOCATION	* FIELD	* AFFECTED	* * *
		* LONGITUDE	DP	OFFICE			* * *
* EAST ROCKAWAY INLET * * *							
* -LT	11	* 40 35 36.73	1133.0	* 74E(C)7049*	* 542		* * *
* *		* 73 44 54.88	1290.5	* 10/19/74 *	* 12352		* * *
* *							* * *
* *							* * *
* HEMPSTEAD RAY * * *							
* *							* * *
* -DYBN	PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352		* * *
* A1		* 00 00 00.00	0.0	DGTZD*			* * *
* -DYBN	PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352		* * *
* A2		* 00 00 00.00	0.0	DGTZD*			* * *
* -DYBN	PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352		* * *
* A3		* 00 00 00.00	0.0	DGTZD*			* * *
* -DYBN	PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352		* * *
* A4		* 00 00 00.00	0.0	DGTZD*			* * *
* -DYBN	PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352		* * *
* A5		* 00 00 00.00	0.0	DGTZD*			* * *
* -DYBN	PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352		* * *
* A7		* 00 00 00.00	0.0	DGTZD*			* * *

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

DATATAB
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PAGE 2 OF 8

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FIELD REPRESENTATIVE

DIGITAL DATA RECORDING

[illegible]

* SVY TP-00748 * NONFLOATING AIDS FOR CHARTS * RPT UNIT CMD ROCKVILLE, MD. * PAGE 3 OF 8
* JOB CM-7301 * TO BE REVISED * STATE NEW YORK *
* PRJ N Y HARBOR * * LOCALITY REYNOLDS CHANNEL * ORIGINATING ACTIVITY
* DTM MA 1927 * * DATE 08/12/77 * COMPILATION

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

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

* -LIGHT *	* PRIVATE AID	* 00 00 00.00	* 0.0	* NOT *UNVERIFIED*	* 12352	*
* B20 *		* 00 00 00.00	* 0.0	* DGTZD*		*
* DYBN *	* POSSIBLE DYBN B22	* 40 36 31.78	* 980.3	* 74E(C)7051*	* 12352	*
		* 73 40 37.62	* 884.4	* 10/19/74 *		*
* -DYBN *	* PRIVATE AID	* 00 00 00.00	* 0.0	* NOT *UNVERIFIED*	* 12352	*
* B25 *		* 00 00 00.00	* 0.0	* DGTZD*		*
* DYBN *	* POSSIBLE DYBN B26	* 40 36 51.17	* 1578.4	* 74E(C)7351*	* 12352	*
		* 73 40 30.15	* 708.7	* 10/19/74 *		*
* -LIGHT *	* PRIVATE AID	* 40 36 52.83	* 1629.6	* 74E(C)7051*	* 12352	*
* B27 *		* 73 40 31.68	* 744.7	* 10/19/74 *		*
* DYBN *	* POSSIBLE DYBN B28	* 40 37 00.13	* 4.0	* 74E(C)7051*	* 12352	*
		* 73 40 33.15	* 779.2	* 10/19/74 *		*
* -DYBN *	* PRIVATE AID	* 00 00 00.00	* 0.0	* NOT *UNVERIFIED*	* 12352	*
* B29 *		* 00 00 00.00	* 0.0	* DGTZD*		*
* *						*
* *						*
* *	HEMPSTEAD BAY					*
* *	NUMS CHANNEL					*
* -DYBN *	* PRIVATE AID	* 00 00 00.00	* 0.0	* NOT *UNVERIFIED*	* 12352	*
* R31 *		* 00 00 00.00	* 0.0	* DGTZD*		*

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

SVY TP-00748 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 4 OF 8

JOB CM-7301 * NONFLOATING AIDS FOR CHARTS * STATE NEW YORK

PRJ N Y HARBOR * TO BE REVISED * LOCALITY REYNOLDS CHANNEL * 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

CHARTING* RECORD REASON FOR DELETION * POSITION CMD * METHOD AND DATE * CHARTS

NAME * PUT TRIANGULATION NAMES IN () * LATITUDE DM ALTEK* OF LOCATION * FIELD * AFFECTED

-DYBN	* PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352
B33	*	* 00 00 00.00	0.0	DGTZD*	*
DYBN	* POSSIBLE DYBN B35	* 40 37 06.29	194.0	*74E(C)7051*	* 12352
	*	* 73 40 50.54	1188.0	* 10/19/74 *	*
DYBN	* POSSIBLE DYBN B36	* 40 37 08.63	266.2	*74E(C)7051*	* 12352
	*	* 73 40 54.43	1279.4	* 10/19/74 *	*
-DYBN	* PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352
B37	*	* 00 00 00.00	0.0	DGTZD*	*
DYBN	* POSSIBLE DYBN B38	* 40 37 13.46	415.2	*74E(C)7051*	* 12352
	*	* 73 40 58.22	1368.5	* 10/19/74 *	*
DYBN	* POSSIBLE DYBN B40	* 40 37 19.84	612.0	*74E(C)7051*	* 12352
	*	* 73 41 00.82	19.3	* 10/19/74 *	*
-DYBN	* PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352
B41	*	* 00 00 00.00	0.0	DGTZD*	*
-LIGHT	* PRIVATE AID	* 00 00 00.00	0.0	NOT *74E(C)7051*	* 12352
B42	*	* 00 00 00.00	0.0	DGTZD* 10/19/74 *	*
DYBN	* POSSIBLE DYBN B47	* 40 37 31.19	962.1	*74E(C)7051*	* 12352
	*	* 73 40 52.15	1225.7	* 10/19/74 *	*
-DYBN	* PRIVATE AID	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 12352
B48	*	* 00 00 00.00	0.0	DGTZD*	*

TYPE OF ACTION * NAMES OF RESPONSIBLE PERSONNEL * ORIGINATOR

POSITIONS DETERMINED NO FIELD EDIT-CLASS III MAP

AND/OR VERIFIED BY K. BAKER

FIELD AND OFFICE L. HARROD

ACTIVITIES G. FROMM

FIELD REPRESENTATIVE

OFFICE COMPILER

DIGITIZER

DATA PROCESSER

* SVY TP-00748 * LANDMARKS FOR CHARTS * RPT UNIT CMD ROCKVILLE, MD. * PAGE 7 OF 8
* JOB CM-7301 * TO BE REVISED * STATE NEW YORK *
* PRJ N Y HARBOR * * LOCALITY REYNOLDS CHANNEL * 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 *

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

* CUPOLA * (LAWRENCE HIGH SCHOOL DOME * 40 36 36.26- 1118.5 NOT *74E(C)7049* * 542
* 1951) * 73 44 08.97 210.9 DGTZD* 10/19/74 * 12352

* STACK * (JAMAICA BAY MOTTS CREEK TR 2093 TEL (1951) * 40 37 50.09 ~ 1545.1 NOT *74E(C)7059* * 542
* INCINERATOR CHIMNEY 1931) (1931) * 73 44 32.27 758.4 DGTZD* 10/19/74 * 12352

* CHY * (LONG BEACH WEST END SCHOOL * 40 35 13.89 428.4 NOT *74E(C)7051* * 12352
* CHIMNEY 1926) TEL LIST (1926) * 73 41 48.17 1132.8 DGTZD* 10/19/74 * 12352

* TOWER * * 40 35 05.22 161.0 *74E(C)7051* * 12352
* * 73 41 05.48 128.9 * 10/19/74 * 12352

* CUPOLA * * 40 35 41.93 1293.4 *74E(C)7049* * 12352
* * 73 43 28.90 679.6 * 10/19/74 * 12352

* TANK * * 40 36 45.75 1411.2 *74E(C)7051* * 12352
* * 73 40 04.46 104.8 * 10/19/74 * 12352

* TANK * * 40 36 44.64 1377.0 *74E(C)7051* * 12352
* * 73 40 04.96 116.6 * 10/19/74 * 12352

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

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POSITIONS DETERMINED
AND/OR VERIFIED BY
FIELD AND OFFICE
ACTIVITIES

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

FIELD REPRESENTATIVE
OFFICE COMPILER
DIGITIZER
DATA PROCESSOR

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

* SVY TP-00748 *
* JOB CM-7301 *
* PRJ N Y HARBOR *
* DTM NA 1927 *
* RPT UNIT CMD ROCKVILLE, MD. *
* STATE NEW YORK *
* LOCALITY REYNOLDS CHANNEL *
* DATE 08/12/77 *
* ORIGINATING ACTIVITY *
* COMPILATION *
* PAGE 8 OF 8 *

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

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

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

* CUPOLA *
* 40 35 12.00 370.1 NOT *
* 73 44-08.00 188.1 DGTZD *
* 542 *
* 12352 *
* RADIO *
* 40 37 43.00 1326.4 NOT *
* 73 40-01.00 23.5 DGTZD *
* 12352 *
* TOWER *
* 40 37 43.00 1326.4 NOT *
* 73 40-01.00 23.5 DGTZD *
* 12352 *

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

* TOWER * (LONG BEACH FIRE ENGINE HOUSE *
* 40 35 10.02 309.1 NOT *
* 73 44-29.15 685.5 DGTZD *
* 12352 *
* TOWER 1926) *

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

* FLAG *
* 40 35 33.00 1017.9 NOT *
* 73 44 27.00 634.9 DGTZD *
* 542 *
* 12352 *

[illegible]

