

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.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP. 00750 MAP EDITION NO. (1) MAP CLASS III JOB CM-7301							
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB PH- MAP CLASS SURVEY DATES: 19 TO 19									
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Rockville, Maryland													
OFFICER-IN-CHARGE Commander James Collins													
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-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) <table border="1"><tr><td>STATE</td><td>ZONE</td></tr><tr><td>New York</td><td>East</td></tr><tr><td>STATE</td><td>ZONE</td></tr></table>				STATE	ZONE	New York	East	STATE	ZONE
STATE	ZONE												
New York	East												
STATE	ZONE												
5. SCALE 1:10,000													
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		12/9/75							
COMPILATION CHECKED BY				G. Fromm		12/9/75							
INSTRUMENT: Wild B-8 CONTOURS BY				N/A									
SCALE: 1:15,000 CHECKED BY				N/A									
4. MANUSCRIPT DELINEATION PLANIMETRY BY				G. Vanderhaven		1/29/76							
CHECKED BY				G. Fromm		3/4/76							
METHOD: Smooth Drafting CONTOURS BY				N/A									
CHECKED BY				N/A									
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				N/A									
CHECKED BY				N/A									
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				G. Fromm		10/14/76							
				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 SURVEYTP-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 ☒ 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) 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 Table.

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

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

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'
NOTE: The reference station(s) ONLY 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 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
None2. 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 ☒ 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)

None

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

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.

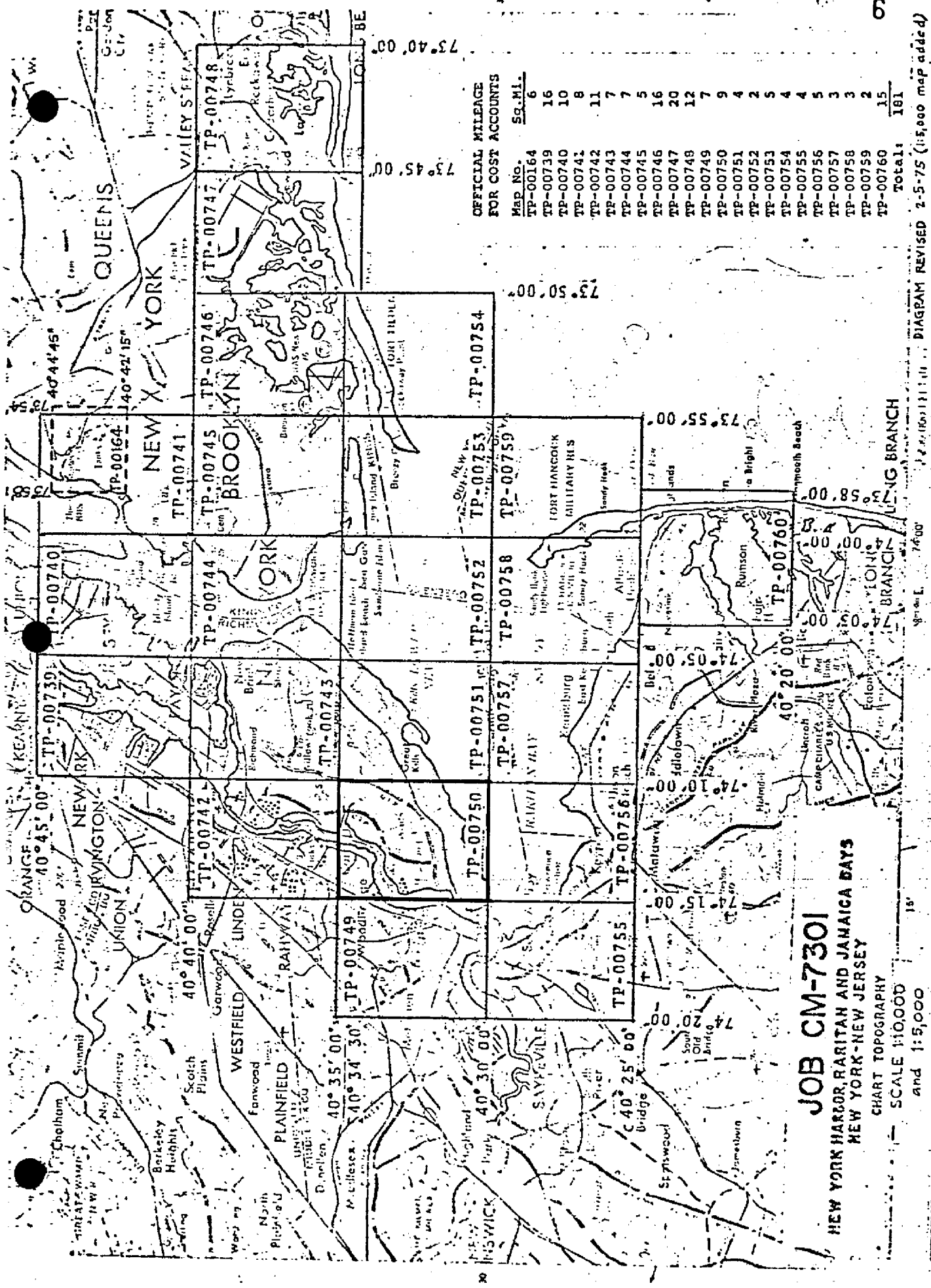
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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	



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

JOB CM-7301

NEW YORK HARBOR, RARITAN AND JAMAICA BAYS
NEW YORK-NEW JERSEY

CHART TOPOGRAPHY

SCALE 1:10,000
and 1:15,000

DIAGRAM REVISED 2-5-75 (1:15,000 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.

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.

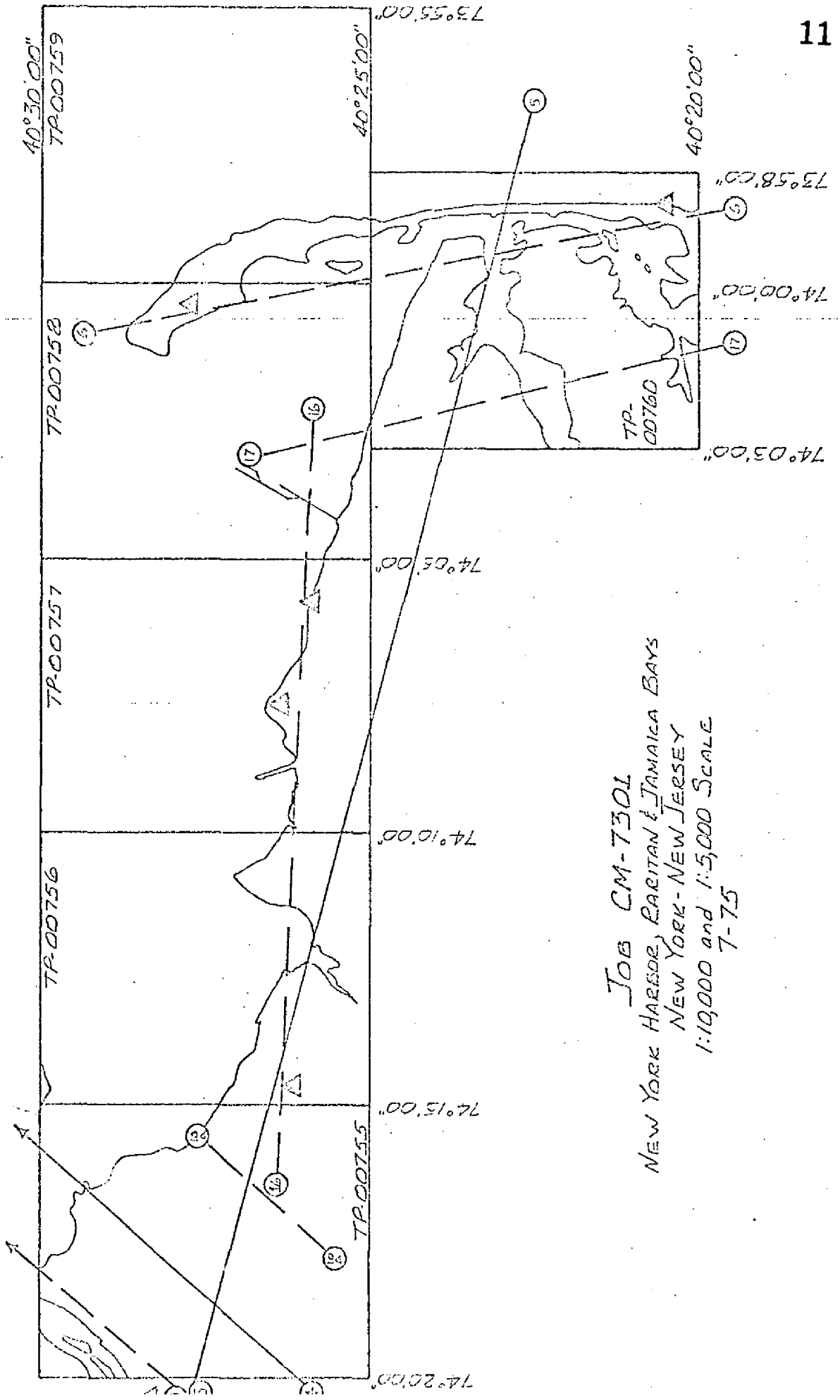
Respectfully submitted,

Ives O. Raborn
Ives O. Raborn

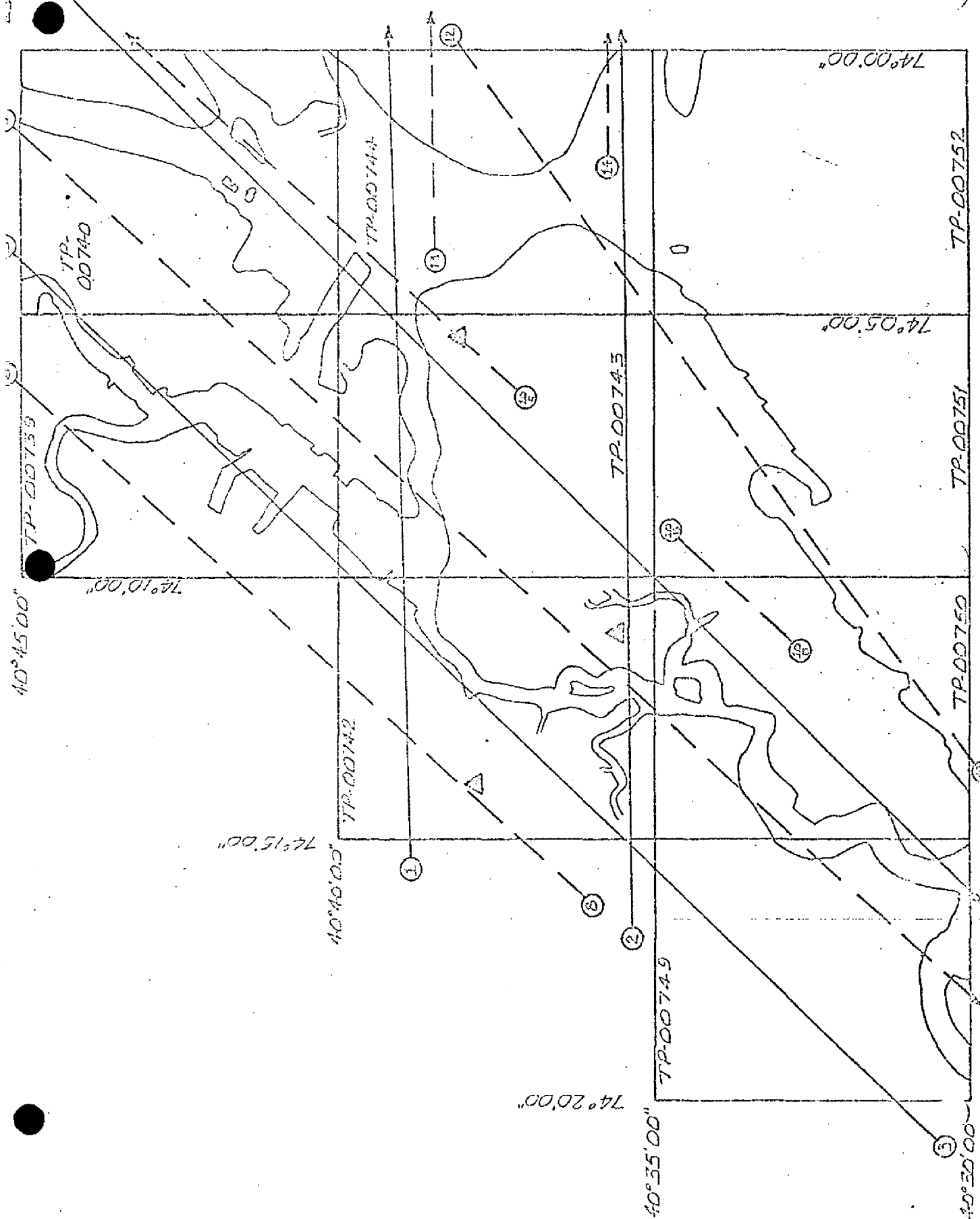
Approved and forwarded:

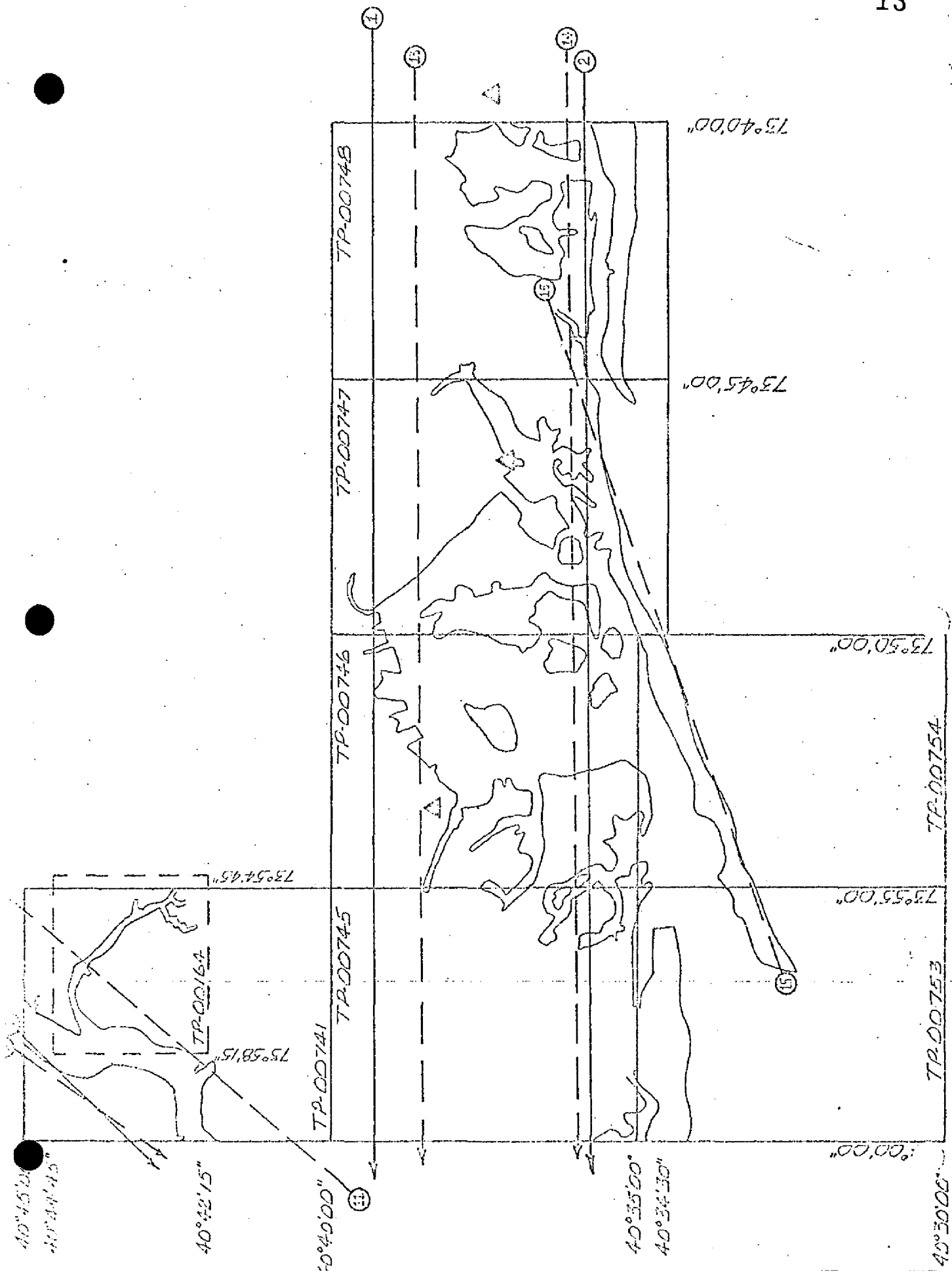
John D. Perrow, Jr.
John D. Perrow, Jr.

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

NOAA FORM 76-41
(6-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
					STATE	ZONE	φ LATITUDE	λ LONGITUDE	
TP-00750	PRINCESS BAY LIGHTHOUSE 1867	CM-7301	NY Vol II GP-P.203	19	N.A.	1927	φ 40-30-27.229 λ 74-12-49.694		Coastal Mapping Div., Rockville Md.
	CARTERET AMER AGRICULTURAL CHEM CO LIEBIG PLANT LATTICE STACK 1931		NJ Vol I GP-P.510	83			φ 40-34-21.313 λ 74-13-00.243		Not plotted on sheet. Appears to be destroyed
	CARTERET VIRGINIA-CAROLINA CHEM CO TANK 1931		NJ Vol I GP-P.514	82			φ 40-35-23.629 λ 74-12-44.054		Not plotted on sheet. Not identifiable from photography
	ROSSVILLE WABR North RADIO MAST 1930		NY Vol II GP-P.160				φ 40-32-43.75 λ 74-12-08.69		Not plotted on sheet Appears to be destroyed
	ROSSVILLE SOUTH RADIO MAST WABR 1930		NY Vol II GP-P.24	80			φ 40-32-40.809 λ 74-12-07.992		Not plotted on sheet. Appears to be destroyed
	CARTERET AMER AGRICULTURAL CHEM CO LIEBIG PLANT TALL CHY 1915		NJ Vol I GP-P.511	84			φ 40-34-30.562 λ 74-12-56.397		Not plotted on sheet Appears destroyed on the 1975 IR photos.
	CARTERET US METAL REFINING CO S CHY 1915		NJ Vol I GP-P.540	85			φ 40-33-49.357 λ 74-13-07.144		
	PORT READING, READING CO N. TWIN TANK 1931		NJ Vol I GP-P.510	86			φ 40-34-00.535 λ 74-13-56.293		
	PORT READING, READING CO S TWIN TANK 1931		NJ Vol I GP-P.510				φ 40-34-00.137 λ 74-13-56.303	316	
	ARTHUR KILL OAKLAND CHEM WORKS CHY 1931		NY Vol II GP-P.95	87			φ 40-33-18.025 λ 74-13-39.372		Not plotted on sheet. Appears to be destroyed
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	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY	REMARKS
			COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	
TP-00750		CM-7301	N.A. 1927	Coastal Mapping Div., Rockville	
ARTHUR KILL	✓	NJ W1 I	X=	φ 40-33-13.979	
BEACON NO. 7 1931		GP-P.510	Y=	λ 74-14-24.495	
TOTTENVILLE COPPER	✓	NY W1 II	X=	φ 40-31-05.807	
LO CHY 1930		GP-P.51	Y=	λ 74-14-22.878	
MT LORETTO ORPHANAGE		NY W1 II	X=	φ 40-30-41.158	
CH SPIRE 1926		GP-P.51	Y=	λ 74-13-16.591	
MT LORETTO ORPHANAGE	✓	NY W1 II	X=	φ 40-30-45.493	
CHY 1915		GP-P.51	Y=	λ 74-13-19.568	
SEGVINE PT. SS WHITE		NY W1 II	X=	φ 40-30-39.415	
DENTAL MFG. CO. CHY ✓		GP-P.52	Y=	λ 74-11-46.908	
MT LORETTO ORPHANAGE		NY W1 II	X=	φ 40-30-13.991	
CUPOLA 1926 ✓		GP-P.51	Y=	λ 74-13-10.014	
SEGVINE PT SS WHITE	✓	NY W1 II	X=	φ 40-30-40.675	
DENTAL MFG. CO. CUPOLA		GP-P.52	Y=	λ 74-11-47.150	
			X=	φ 74-11-47.150	
			Y=	λ	
			X=	φ	
			Y=	λ	
			X=	φ	
			Y=	λ	
COMPUTED BY	N/A		COMPUTATION CHECKED BY	N/A	DATE
LISTED BY			LISTING CHECKED BY	G. F. FROM	DATE 11-10-75
HAND PLOTTING BY	N/A		HAND PLOTTING CHECKED BY	N/A	DATE

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

Approved and Forwarded:



* 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 John M. Base



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:

John D. Perreault Jr.
Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

March 29, 1977

22

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

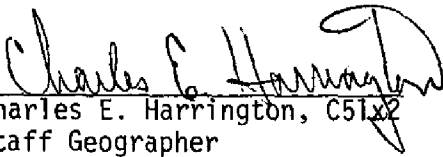
Staten Island

Staten Island Rapid Transit

Tufts Point

Wolfes Pond

Approved by:


Charles E. Harrington, C51x2
Staff Geographer

770818
VERSION

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

* RANGE	* PRINCES	* BAY	* RANGE	* FRONT	* LIGHT	* 40	* 30	* 27.28	* 841.5	* 74F(C)	* 7194	* 12331	* *

* RANGE	* PRINCES\$ BAY RANGE	REAR LIGHT	* 0.0	NOT *UNVERIFIED*	* 12331 *
* D I T	* 0.0	0.0	0.0	0.0	* 12327 *

 * -I T 14 * (ARTHUR KILL BEACON NO 7 1931) * 40 33 13.98 431.2 NOI *74E(C)7095* * 12331 *

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

[illegible]

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* * POSITIONS DETERMINED * NO FIELD EDIT-CLASS III MAP * FIELD REPRESENTATIVE
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* * AND/OR VERIFIED BY * * G. VANDERHAVEN * OFFICE COMPILER *
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SVY	TP-00750	CM-7301	PRJ	DTM	NA	1927	LANDMARKS FOR CHARTS TO BE REVISED	RPT UNIT	CMD	STATE	LOCALITY	DATE	08/12/77	PAGE	2	OF	4	ORIGINATING ACTIVITY COMPILATION	THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS
CHARTING	RECORD REASON FOR DELETION	DESCRIPTION	POSITION	CMD	METHOD AND DATE	CHARTS	AFFECTED												
NAME	PUT TRIANGULATION NAMES IN ()	LONGITUDE	DP	DGTZD	OFFICE	FIELD													
TOWER	(PRINCESS RAY LIGHTHOUSE 1967)	40 30 27.23	839.9	NOT	*74E(C)7194*		12331												
		74 12 49.69	1169.9	DGTZD	10/19/74		12327												
STACK	(SEGUINE PT SS WHITE DENTAL MFG CO CHIMNEY 1926)	40 30 39.42	1215.9	NOT	*74E(C)7194*		12328												
		74 11 46.91	1104.4	DGTZD	10/19/74		12331												
CHURCH	(MOUNT LORETTO ORPHANAGE CHURCH SPIRE 1926)	40 30 41.16	1269.6	NOT	*74E(C)7194*		12327												
		74 13 16.59	390.6	DGTZD	10/19/74		12328												
STACK	(MOUNT LORETTO ORPHANAGE CHIMNEY 1915)	40 30 45.49	1403.1	NOT	*74E(C)7194*		12327												
		74 13 19.57	460.7	DGTZD	10/19/74		12328												
STACK	(TOTTENVILLE COPPER COMPANY CHIMNEY 1930)	40 31 05.81	179.2	NOT	*74E(C)7095*		12327												
		74 14 22.88	538.6	DGTZD	10/19/74		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												
STACK	(CARTERET U S METAL REFINING CO SOUTH CHIMNEY 1915)	40 33 49.36	1522.5	NOT	*74E(C)7094*		12331												
		74 13 07.14	168.0	DGTZD	10/19/74		12327												
TANK	(PORT READING, READING CO., NORTH TWIN TANK 1931)	40 34 00.54	16.7	NOT	*74E(C)7094*		12331												
		74 13 56.29	1324.2	DGTZD	10/19/74		12327												
TANK	(PORT READING, READING CO., SOUTH TWIN TANK 1931)	40 34 00.14	4.3	NOT	*74E(C)7094*		12328												
		74 13 56.30	1324.4	DGTZD	10/19/74		12327												
STACK	EAST OF TWO THIRD STACK NOT VISIBLE ON PHOTOGRAPHY	40 33 21.54	664.4	*74E(C)7095*			12331												
		74 14 55.13	1297.1		10/19/74		12327												

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 PROCESSER

76-40
LISTING
PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

DATA TAB
VERSION
770818

[illegible]

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

[illegible]

* 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 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12328 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12331 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12327 *
* TOWER *		* 74 12 11.91	277.9		* 10/19/74 *	12328 *
* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12331 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12327 *
* CUPOLA *	(MOUNT LORETTO ORPHANAGE	* 40 30 13.99	431.5	NOT	*74E(C)7194*	12328 *
* CUPOLA 1926)		* 74 13 10.01	235.7	DGTZD*	10/19/74 *	12331 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12327 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12328 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12331 *
* TOWER *		* 74 12 11.91	277.9		* 10/19/74 *	12327 *
* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12328 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12331 *
* CUPOLA *	(MOUNT LORETTO ORPHANAGE	* 40 30 13.99	431.5	NOT	*74E(C)7194*	12327 *
* CUPOLA 1926)		* 74 13 10.01	235.7	DGTZD*	10/19/74 *	12328 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12331 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12327 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12328 *
* TOWER *		* 74 12 11.91	277.9		* 10/19/74 *	12331 *
* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12327 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12328 *
* 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 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12328 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12331 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12327 *
* TOWER *		* 74 12 11.91	277.9		* 10/19/74 *	12328 *
* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12331 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12327 *
* CUPOLA *	(MOUNT LORETTO ORPHANAGE	* 40 30 13.99	431.5	NOT	*74E(C)7194*	12328 *
* CUPOLA 1926)		* 74 13 10.01	235.7	DGTZD*	10/19/74 *	12331 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12327 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12328 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12331 *
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* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12328 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12331 *
* CUPOLA *	(MOUNT LORETTO ORPHANAGE	* 40 30 13.99	431.5	NOT	*74E(C)7194*	12327 *
* CUPOLA 1926)		* 74 13 10.01	235.7	DGTZD*	10/19/74 *	12328 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12331 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12327 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12328 *
* TOWER *		* 74 12 11.91	277.9		* 10/19/74 *	12331 *
* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12327 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12328 *
* 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 *
* RADIO *		* 40 32 44.09	1360.0		*74E(C)7194*	12328 *
* TOWER *		* 74 12 13.62	320.5		* 10/19/74 *	12331 *
* RADIO *		* 40 32 45.25	1395.8		*74E(C)7194*	12327 *
* TOWER *		* 74 12 11.91	277.9		* 10/19/74 *	12328 *
* RADIO *		* 40 32 46.38	1430.6		*74E(C)7194*	12331 *
* TOWER *		* 74 12 09.97	234.6		* 10/19/74 *	12327 *
* CUPOLA *	(MOUNT LO					

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

* TOWER	*	* 40 33 16.00	493.5	NOT *	*	12331	*
*	*	* 74 13 02.00	47.1	DGTZD*	*	12327	*
-----						12328	*

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* TYPE OF ACTION	* NAMES OF RESPONSIBLE PERSONNEL	* ORIGINATOR
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POSITIONS DETERMINED	*	NO FIELD EDIT-CLASS III MAP	*	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	*	G. VANDERHAVEN	*	OFFICE COMPILER
FIELD AND OFFICE	*	L. HARROD	*	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 155A-P43