

TP-00505

TP-00505

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
<i>Map No.</i> TP-00505	<i>Edition No.</i> 1
<i>Job No.</i> CM-8000	
<i>Map Classification</i> Class III Final	
<i>Type of Survey</i> SHORELINE	
<h3 style="text-align: center;">LOCALITY</h3>	
<i>State</i> NEW YORK	
<i>General Locality</i> LAKE ONTARIO NIAGARA RIVER TO ROCHESTER	
<i>Locality</i> BOGUS POINT	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1980 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
<i>DATE</i>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP-00505 MAP EDITION NO. (1) MAP CLASS III Final JOB PMX CM-8000	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION			
				TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		JOB PH- MAP CLASS SURVEY DATES: 19__ TO 19__	
PHOTOGRAMMETRIC OFFICE Atlantic Marine Center Coastal Mapping Division, Norfolk, VA				OFFICER-IN-CHARGE Max Ethridge			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation August 1, 1980 Amendment-Chang No. 1 August 18, 1980 Compilation September 30, 1981 Memo (Registration Part I) December 9, 1981 Memo (Re: Post Compilation) December 19, 1981 Memo (Registration Parts II & III) May 13, 1982				Control-Premarking March 25, 1980			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify) International Great Lakes Datum, (1955) Lake Ontario Low Water Datum			
3. MAP PROJECTION Transverse Mercator				4. GRID(S) STATE New York ZONE			
5. SCALE 1:20,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				Brian Thornton		Nov. 1980	
METHOD: Analytic LANDMARKS AND AIDS BY				Don D. Norman		Nov. 1980	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				Brian Thornton		Nov. 1980	
METHOD: Coordinate / Calcomp 712 CHECKED BY				Don O. Norman		Nov. 1980	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				W. Connally		April 1982	
COMPILATION CHECKED BY				M. Mozgala		April 1982	
INSTRUMENT: Wild B-8 CONTOURS BY				NA			
SCALE: 1:20,000 CHECKED BY				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				W. Connally		April 1982	
CHECKED BY				F. Margiotta		August 1982	
METHOD: Smooth drafted CONTOURS BY				NA			
CHECKED BY				NA			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				W. Connally		April 1982	
CHECKED BY				F. Margiotta		August 1982	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		August 1982	
6. APPLICATION OF FIELD EDIT DATA BY				None			
CHECKED BY				None			
7. COMPILATION SECTION REVIEW Class III BY				F. Margiotta		August 1982	
8. FINAL REVIEW Class III BY				L. O. Neterer, Jr.		August 1982	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				L. O. Neterer, Jr.		Nov. 1982	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				Robert Kelly (Signed)		March 1983	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				Howard E. Wolfe		4 1983	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00505
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C. 10Z (Z = 153.14 mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE (See note below) <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
80 Z(P) 6988 & 6990	June 5, 1980	11:18	1:50,000	NA	
80 Z(P) 6948-6950	June 5, 1980	10:37	1:50,000		

REMARKS

The lake level at the time of photography was 246.01 feet or 3.2 feet above International Great Lakes Datum. Water levels were taken at Rochester, New York, page on June 5, 1980.

2. SOURCE OF MEAN HIGH-WATER LINE:

Mean High-Water Line is not applicable. The shoreline was delineated from the above listed photography where the water interfaces with the land.

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

Not applicable

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 Survey	TP-01065* (1:10,000)	No Survey	TP-00504

REMARKS

*TP-01065 covers the eastern third of the shoreline of this map.

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

TP-00505

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	S. Tibbetts	July 1980
2. HORIZONTAL CONTROL	RECOVERED BY S. Middleton	July 1980
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY S. Middleton	July 1980
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Premarked (paneled)		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
80Z(P)6989	Greece 1939		
3. PHOTO NUMBERS (Clarification of details) None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) 1 Form 76-53			

NOAA FORM 76-36C
(3-72)

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00505
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Aug. 1982	Class III manuscript		
Final Review Class III	Aug. 1982	Final Class III map No field edit performed	Mar., 83	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

Page NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Mar. 1983	Aids to be charted

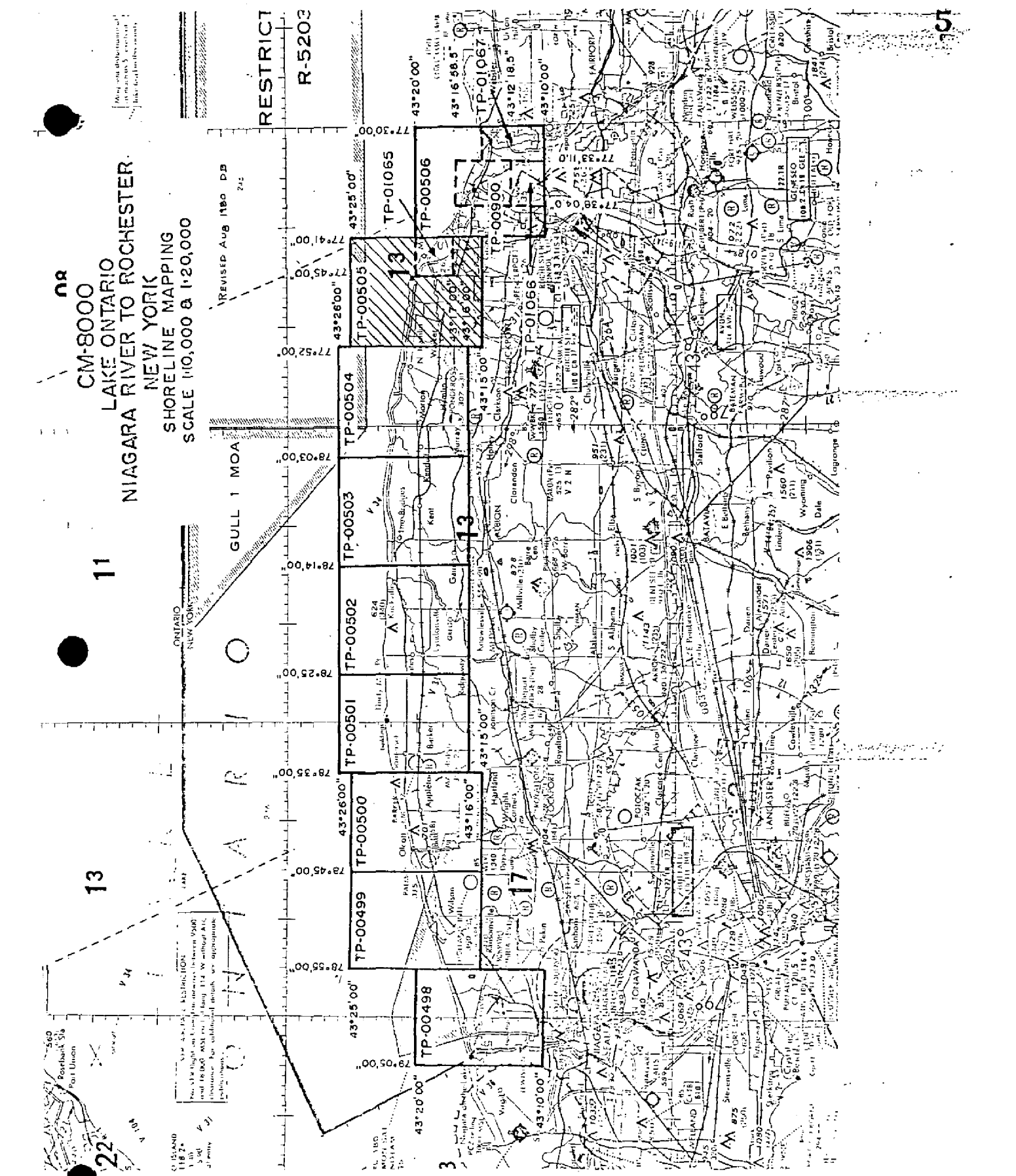
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 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: APRIL 1983

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 - _____	<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00505

This 1:20,000 scale shoreline map is one of four maps in Part III of three parts of project CM-8000, Lake Ontario, Niagara River to Rochester, New York. The project has a total of thirteen maps.

This project encompasses the southern lake shore from Niagara River longitude 79°05'00" east to Rochester longitude 77°30'00".

Correspondence from the Chief, Photogrammetry Division, dated May 13, 1982, calls for all thirteen maps to be registered as Class III maps.

Field work prior to compilation was accomplished in May 1980. It consisted of the identification of horizontal control by premarking methods to meet aerotriangulation requirements.

Photographic coverage was provided in June 1980 for aerotriangulation using panchromatic film with the "Z" camera at 1:30,000 scale. The same photography was used for compilation.

Analytic aerotriangulation was performed at the Washington Science Center in November 1980.

Compilation was performed at the Atlantic Marine Center from office interpretation of the 1980 photography in August 1982.

Final review was performed at the Atlantic Marine Center in August 1982. Cancellation of field edit requires this map to be registered as a Final Class III map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

5 1. 2. 3. 4. 5. 6. 7.

FIELD REPORT

JOB CM-8000

1. GENERAL

This report covers the premarking and photoidentification of horizontal control points as prescribed by project instructions. Panel array no. 1 was used on all stations on which a panel could be used, however, several deviations to this array were made and are so indicated on applicable NOAA Forms 76-53, Control Station Identification Card.

Recovery of horizontal control stations was limited to those needed to meet aerotriangulation requirements. Recovery notes are included for each station for which a search was made.

2. HORIZONTAL CONTROL

The following control stations were premarked or are to be photoidentified on the photographs.

Control Point No. 1 FORT NIAGARA (LSC) 1972. Station is paneled direct with array no. 1 with no wings. Sub points 1A, 1B, 1C were established for photoidentification in the event that the panel is not visible. It should be noted that the plane coordinates of the station and sub points are from a provisional constrained adjustment and are not final P.C.'s.

-2-

Control Point No. 2 RANSOMVILLE, BELL AIRCRAFT TEST CENTER
TANK 1958. Sub point 2A paneled direct with array no. 1.

Control Point No. 3 (E.T.) GASS 1972. Sub point 3A
paneled with a 2 winged deviation of array no. 1.

Control Point No. 4 ST. MARY 1972. Station paneled direct
with array no. 1 with no wings.

Control Point No. 5 THIRTY 1972. Sub point 5A paneled with
array no. 1.

Control Point No. 6 BRIGHTON (LSC) 1972. Sub point 6A
paneled with array no. 1. Note that P.C.'s for this station
are from a provisional constrained adjustment and are not
final P.C.'s.

Control Point No. 6 extra LAKESIDE (LSC) 1972. Station
paneled direct with array no. 1 with 2 wings. P.C.'s for
this station are from a provisional constrained adjustment
and are not final P.C.'s.

Control Point No. 7 HAMLIN 1939/1969. Reference mark no. 3
is paneled with a variation of array no. 1 as noted on
appropriate NCAA Form 76-53.

-3-

Control Point No. 8 PAYNE 2 1969. Station paneled direct with array no.1.

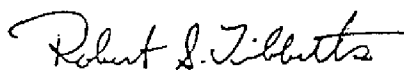
Control Point No. 9 GREECE 1939. Station paneled direct with array no. 1 with 2 wings.

Control Point No. 10 SENECA 2 1925 / SENECA 3 1942 / SENECA 3 RM 3 1942-1969. Sub points 10A, 10B, and 10C were established for photoidentification, no panel.

Control Point No. 11 MILE 1939. Station is paneled direct with a deviation of array no. 1 as is indicated on NOAA Form 76-53.

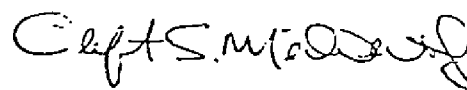
Control Point No.12 Sweet 1939. Station is paneled direct with a variation of array no. 1 as is noted on NOAA Form 76-53.

APPROVED AND FORWARDED


Robert S. Tibbetts

Chief, Photo Party 62

SUBMITTED 7/9/80


Clifton S. Middleton Jr
Surveying Technician

Photogrammetric Plot Report

Lake Ontario, New York

CM-8000

November 1980

21. Area Covered

The area covered by this report extends from Lake Ontario at Fort Niagara to Rochester, New York. The project area is covered by nine 1:20,000 scale sheets and four 1:10,000 scale sheets; TP-00498 to TP-00506 (1:20,000), TP-01065 to TP-01067 and TP-00900 (1:10,000).

22. Method

Four strips of 1:50,000 scale photography were bridged by analytic aerotriangulation methods. The strips of bridging photography were controlled by field identified control. Tie points were used to ensure an adequate junction of strips. Points for compilation were established on the 1:30,000 scale photography for the 1:10,000 scale sheets. The bridging photography will be used for the 1:20,000 scale sheets. Ratios of the compilation photography were determined and the ratios were ordered by this office.

The manuscripts were plotted by the Calcomp 718 plotter.

23. Adequacy of Control

Control checked well within map accuracy standards and is sufficient for its intended use.

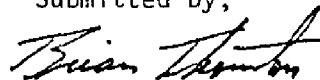
24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustment.

25. Photography

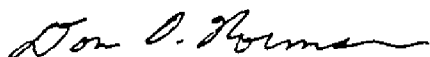
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by,



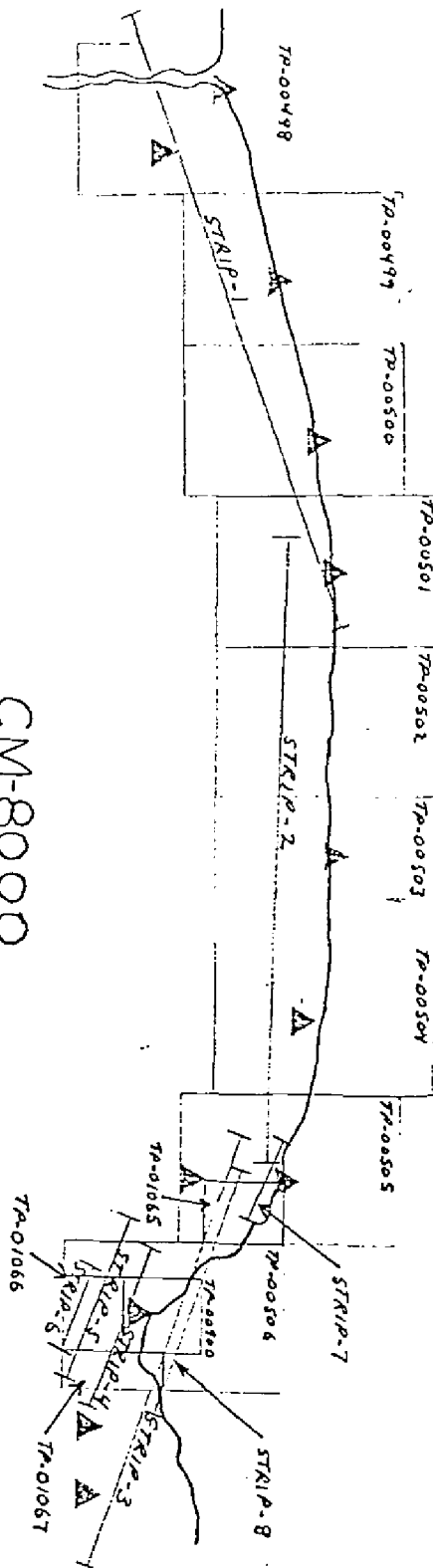
Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Section

CM-8000
LAKE ONTARIO
NIAGARA RIVER TO ROCHESTER
NEW YORK



COMPILATION REPORT

TP-00505

31. DELINEATION

Delineation was by office interpretation of the 1:30,000 scale, 1980 color photography, using the Wild B-8 stereoplotting instrument. The photography was adequate. Refer to Form 76-36b for a list of the photographs.

32. CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated November 1980.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the photographs. No unusual problems were encountered.

37. LANDMARKS AND AIDS

All appropriate forms were submitted to the Rockville office.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5 of the Descriptive Report.

TP-00505

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S. Geological Quadrangles, Hilton, New York, dated 1971, scale 1:24,000; Braddock Heights, New York, dated 1971, photorevised 1978, scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Lake Ontario Chart No. 14805, scale 1:80,000, 19th edition, dated February 18, 1978.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Willie P. Connally

Willie Connally
Cartographer

Date: April 22, 1982

Approved:

James L. Byrd, Jr.

James L. Byrd, Jr.
Chief, Coastal Mapping Section

REVIEW REPORT

SHORELINE

TP-00505

61. GENERAL STATEMENT:

See Summary included with this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles: Hilton, New York, dated 1971, scale 1:24,000 and Braddock Heights, New York, dated 1971 photorevised 1978, scale 1:24,000.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey was conducted in the area pertaining to this final Class III map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with N.O.S. Chart; 14805, scale 1:80,000, 20th edition, dated March 14, 1981.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with project instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by

Lowell O. Neterer, Jr.
Lowell O. Neterer, Jr.
Final Reviewer

Approved for forwarding,

Billy H. Barnes
Billy H. Barnes
Chief, Photogrammetric Branch, AMC

Approved:

George W. Bea
Chief, Photogrammetric Branch, Rockville

John D. Perrow Jr.
Chief, Photogrammetry Division

August 4, 1982

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8000 (Lake Ontario-Niagara River to Rochester)

TP-00505

Bogus Point

Brush Creek

Cowsucker Creek

Davidson Beach (Ppl)

East Creek

Hilton

Lake Ontario

Lighthouse Beach (Ppl)

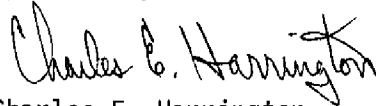
Salmon Creek

Shore Acres

Wautoma Beach (Ppl)

West Creek

Approved by:


Charles E. Harrington
Chief Oceanographer, C3x5

CM-8000

Lake Ontario

Niagara River to Rochester, New York

MATERIAL ON FILE

NATIONAL ARCHIVES/FEDERAL RECORD CENTER

BROWN JACKET

Field Notebook of Photo I.D. Control

Ratio Photographs

PROJECT COMPLETION REPORT

BUREAU ARCHIVES

Registered Copy of Each Map

Descriptive Report of Each Map

REPRODUCTION DIVISION

8x Reduction Negative of Each Map

OFFICE OF STAFF GEOGRAPHER

Geographer Names Standard

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

