

TP-01229

TP- 01229

NOAA FORM 76-35  
(6-80)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED.

<b>Map No.</b> TP-01229	<b>Edition No.</b> 1
<b>Job No.</b> CM-8302	
<b>Map Classification</b> CLASS III (FINAL)	
<b>Type of Survey</b> SHORELINE	
<b>LOCALITY</b>	
<b>State</b> NEW YORK	
<b>General Locality</b> LAKE ONTARIO	
<b>Locality</b> MEXICO BAY	
<div style="border: 1px solid black; padding: 5px; text-align: center;">19 84 TO 19</div>	
<b>REGISTERED IN ARCHIVES</b>	
<b>DATE</b>	

## DESCRIPTIVE REPORT - DATA RECORD

## TYPE OF SURVEY

☒ ORIGINAL☐ RESURVEY☐ REVISED

SURVEY TP. 01229

MAP EDITION NO. (1)

MAP CLASS III (Final)

JOB ~~XXX~~ CM-8302

## PHOTOGRAMMETRIC OFFICE

Coastal Mapping Unit, Atlantic Marine  
Center, Norfolk, VA

## OFFICER-IN-CHARGE

A. Y. Bryson, CDR

## LAST PRECEDING MAP EDITION

## TYPE OF SURVEY

☐ ORIGINAL☐ RESURVEY☐ REVISED

JOB PH. \_\_\_\_\_

MAP CLASS \_\_\_\_\_

SURVEY DATES:

19\_\_ TO 19\_\_

## I. INSTRUCTIONS DATED

## 1. OFFICE

Aerotriangulation October 18, 1984  
Compilation May 29, 1985

## 2. FIELD

Control March 7, 1984

## 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)

International Great Lakes Datum (1955)

## 3. MAP PROJECTION

Transverse Mercator Projection

## 4. GRID(S)

STATE

New York

ZONE

Central

## 5. SCALE

1:20,000

STATE

ZONE

## III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	S. Solbeck	Nov. 1984
METHOD: Analytic	LANDMARKS AND AIDS BY	S. Solbeck	Nov. 1984
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	S. Solbeck	Nov. 1984
METHOD: Calcomp 718	CHECKED BY	D. Norman	Nov. 1984
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	R. Kravitz	Sept. 1984
COMPILATION	CHECKED BY	F. Mauldin	Sept. 1984
INSTRUMENT: Wild B-8	CONTOURS BY	N.A.	
SCALE: 1:20,000	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Kravitz	Oct. 1985
	CHECKED BY	F. Mauldin	Oct. 1985
	CONTOURS BY	N.A.	
METHOD: Smooth drafted	CHECKED BY	N.A.	
	HYDRO SUPPORT DATA BY	N.A.	
SCALE: 1:20,000	CHECKED BY	N.A.	
5. OFFICE INSPECTION PRIOR TO <del>FINAL REVIEW</del> Final Review	BY	F. Mauldin	Oct. 1985
6. APPLICATION OF FIELD EDIT DATA	BY	N.A.	
	CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW Class III	BY	F. Mauldin	Oct. 1985
8. FINAL REVIEW Class III (Final)	BY	J. Hancock	Nov. 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	Dec. 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Jan 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. DAUGHERTY	FEB 1986

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
TP-01229 <b>COMPILATION SOURCES</b>					
<b>1. COMPILATION PHOTOGRAPHY</b>					
CAMERA(S) (focal length = 153.15 mm) Wild R.C. 10 (Z)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Eastern MERIDIAN 75th	
<input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS * <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE		DATE	TIME	SCALE	* <del>STANDARD</del> Lake
84 Z(P) 4357-4361		5-24-84	10:02	1:50,000	246.6 feet Level
REMARKS *Water level at the time of photography is indicated as recorded from the Cape Vincent, New York, gage. Low Water Datum for Lake Ontario is 242.8 feet.					
<b>2. SOURCE OF MEAN HIGH-WATER LINE:</b>					
<p>The term Mean High Water Line is not applicable. The shoreline is defined as the visible line of contact on the photographs between land and water. Delineation of the shoreline was derived by photo interpretation of the above listed black-and-white compilation/bridging photographs.</p>					
<b>3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:</b>					
<p>This item is not applicable to the project.</p>					
<b>4. CONTEMPORARY HYDROGRAPHIC SURVEYS</b> (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
<b>5. FINAL JUNCTIONS</b>					
NORTH	EAST	SOUTH	WEST		
TP-01228	TP-01230	No. Survey	CM-8004 TP-01077		
REMARKS					

TP-01229

## HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. Walbolt	July 1984
2. HORIZONTAL CONTROL	RECOVERED BY P. Walbolt	May 1984
	ESTABLISHED BY P. Walbolt	May 1984
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	May 1984
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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
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

3 stations paneled south of project limits

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
84Z(P)4366	RM3, Mexico, 1942 (paneled direct)		
84Z(P)4361	SCRIBA, 1942 (Sub Pt. Paneled)		
84Z(P)4362	WATER, 1942 (paneled direct)		

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: ☐ 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 Form 76-156 } Project Data  
 2 Form 76-52 }

 3 NOAA Form 76-53  
 1 NOAA Form 76-19  
 1 NOAA Form 75-63

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

TP-01229

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Oct. 1985	Class III Manuscript	None	None
Final Review, Class III	Nov. 1985	Final Class III Map	12/16/85	12/16/85

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (Pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		12/16/85	Landmarks for Charting

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

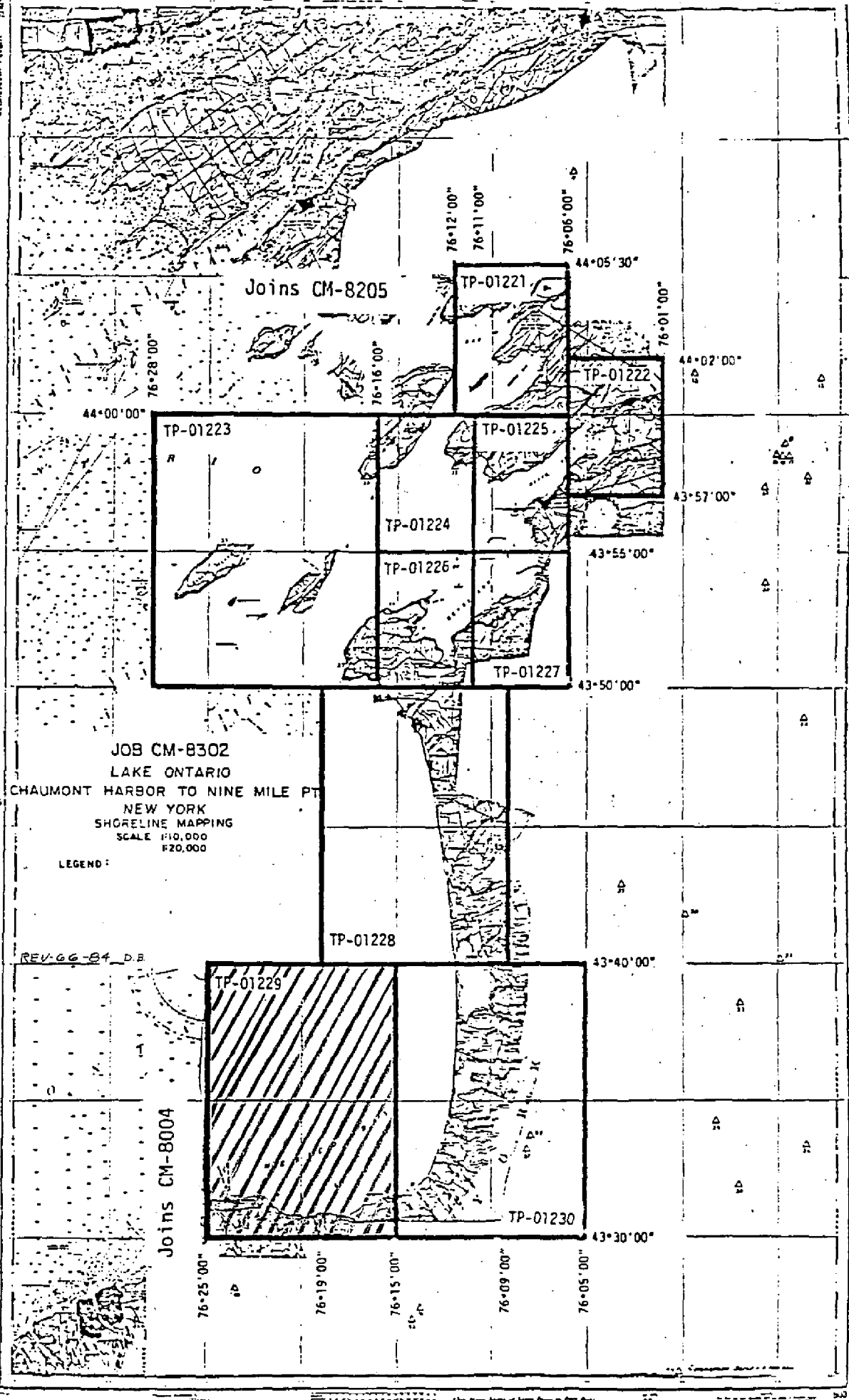
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.  
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## 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 <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 - _____	TYPE OF SURVEY <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 - _____	TYPE OF SURVEY <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	

NOAA FORM 76-36D



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01229

This 1:20,000 scale final Class III shoreline map is one of ten maps that comprise project CM-8302, Chaumont Harbor to Nine Mile Point, Lake Ontario, New York. This project consists of six 1:10,000 scale maps (TP-01221, TP-01222, and TP-01224 thru TP-01227) and four 1:20,000 scale maps (TP-01223 and TP-01228 thru TP-01230).

This map portrays shoreline in the Mexico Bay area along the eastern region of Lake Ontario and defines the southern limit of the project. Map TP-01077 of project CM-8004 junctions with this map.

The purpose of this map is to provide current charting information for nautical chart maintenance, including new chart construction, and to supplement data for future hydrographic activity.

Field work prior to photography was adequately provided in May 1984. This involved the recovery, establishment and identification (premarking) of horizontal control necessary for aerotriangulation. There was no field inspection performed.

Photo coverage for the project was adequately provided by panchromatic photographs taken at scales of 1:30,000 and 1:50,000 with the Wild RC-10 (Z) camera. The 1:30,000 scale photographs were taken May 24, 1984 and the 1:50,000 scale photographs in May 27, 1984. At the time of photography, a water level reading of 246.6 ft. was recorded at Cape Vincent, New York. This established the shoreline datum for the project based on the 1955 International Great Lakes Datum.

Analytic aerotriangulation was adequately provided by the Washington Science Center in November 1984. This activity also included ruling the base manuscripts, determining ratio values for the photographs and locating visible landmarks and navigational aids.

Compilation was performed at the Coastal Mapping Unit, Atlantic Marine Center in October 1985. Delineation of map detail was accomplished using stereo instrument methods based upon interpretation of the 1:50,000 scale mapping photographs.

Final review was performed at the Atlantic Marine Center in November 1985. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a Notes to Hydrographer Print was prepared for future hydrographic activity.

This Descriptive Report contains all pertinent information used to compile this final Class III map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

## FIELD INSPECTION

TP-01229

There was no field inspection prior to compilation. Field work accomplished consisted of aerial photography and the recovery, establishment, and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project.



8

FIELD OPERATIONS REPORT  
JOB CM-8302, LAKE ONTARIO, CHAUMONT HARBOR TO  
NINE MINE POINT, NY

We have performed this job in the field in accordance with Project Instructions dated 7 March 1984, N/CG2342:RT, from 1 May 1984 thru 23 June 1984 inclusive.

On 4 May, Mr. Barnes and Mr. Walbolt met with Mr. Ross Hudson, Jr. and Mr. Harold Spath of District 6, USPS, Watertown, NY. The USPS gave us Recovery Notes for many of the Triangulation Stations in the area. This helped speed the premarking.

We placed targets for aerotriangulation photography in each of seventeen (17) requested areas. Two of these Panels (Nos. 8 and 11) we located by the Satellite Dopplers; the others by conventional means. Each Panel was in place by the afternoon of 12 May.

On 21 May, the Chief Pilot called to inform us that the Photo Mission was ready to fly the photography when weather permitted. On 24 May, the Chief Pilot again called to inform us that the Photo Mission was on its way, and arranged to meet us at the Watertown International Airport. Throughout this period, we continued to monitor the panels.

As in 6.0, Note 1 of Instructions, we sent graphics of each panel to the Rockville Office.

Submitted by,

*Philip B. Walbolt*

Philip B. Walbolt  
6 July 1984

## PHOTOGRAMMETRIC PLOT REPORT

CM-8302

Chaumont Harbor to Nine Mile Point  
Lake Ontario-New York

November 1984

21. Area Covered

The project area covered by this report is that portion of the Lake Ontario-New York shoreline from Chaumont to Nine Mile Point. This area is covered by six 1:10,000 scale manuscripts (TP-01221, TP-01222, and TP-01224 through TP-01227) and four 1:20,000 scale manuscripts (TP-01223, TP-01228 through TP-01230).

22. Method

Six strips of 1:50,000 scale and four strips of 1:30,000 scale panchromatic photographs were bridged by standard analytic aerotriangulation methods. The control was premarked and used for the adjustment of the 1:50,000 scale strips. Tie points were used to ensure the adequate junctioning between all strips and as the primary control for the 1:30,000 scale strips.

Ratio values have been determined for all bridging photographs. A copy of the ratio values has been attached to this report.

The manuscripts were ruled on the Calcomp 718 plotter using the New York Central State Plane Coordinate System. This system is based on the Transverse Mercator Projection.

23. Adequacy of Control

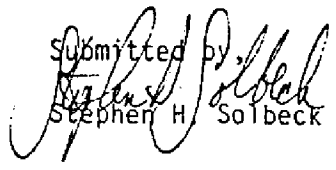
The control proved adequate and meets the National Standards of Map Accuracy. A copy of the fit to control is attached to this report.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustments. Nautical charts were used to locate aids and landmarks.

25. Photography

The coverage, overlap, and quality of the photographs proved adequate for completion of the project.

Submitted by  
  
Stephen H. Solbeck

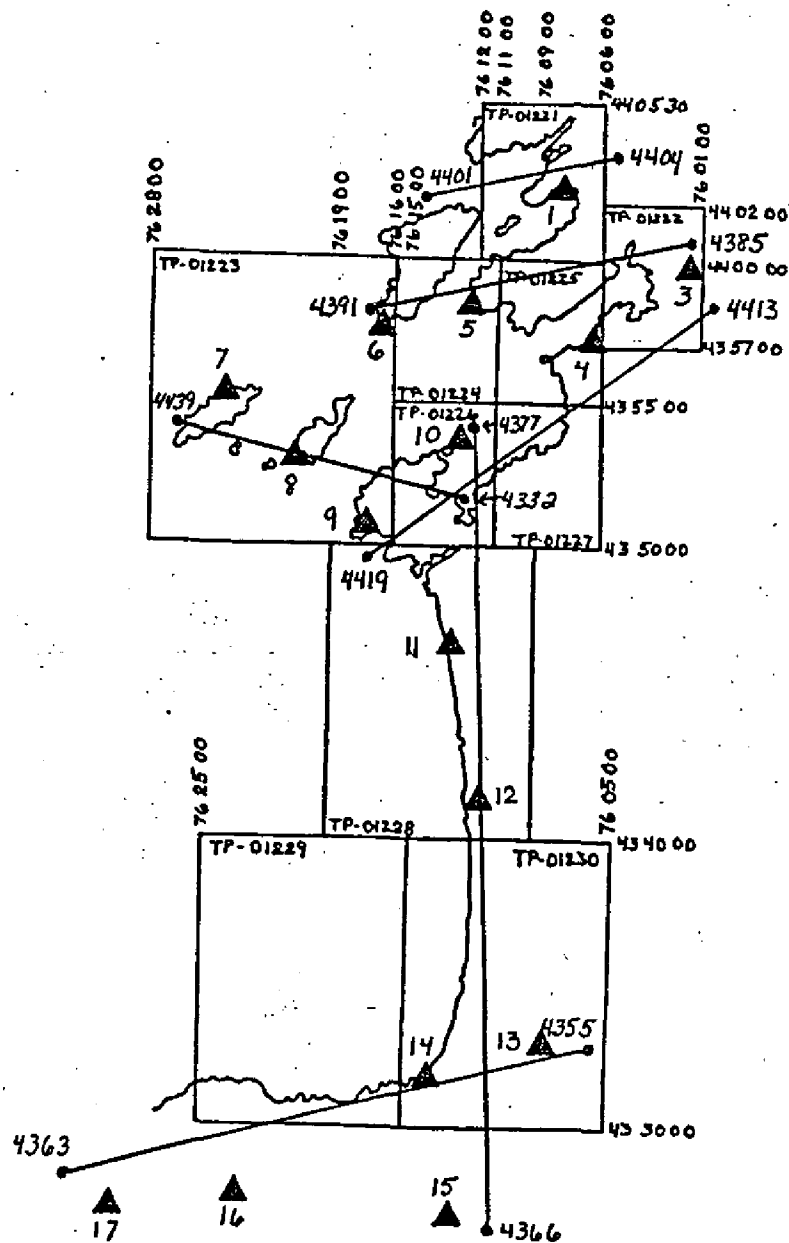
Approved and Forwarded:



Don O. Norman  
Chief, Aerotriangulation Unit

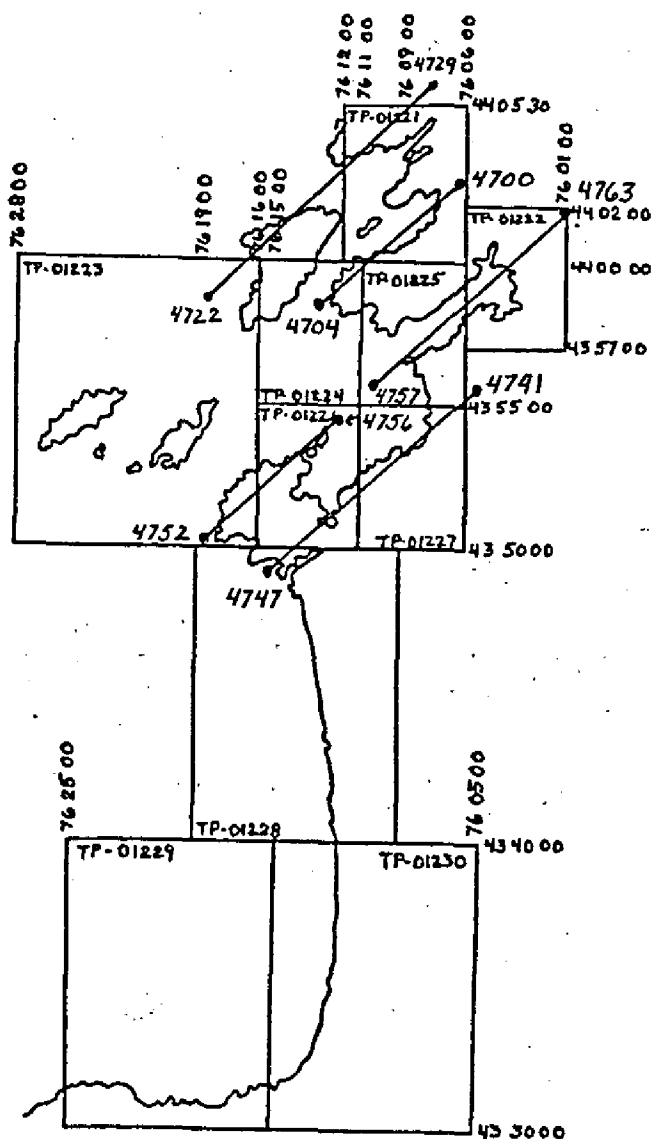
AEROTRIANGULATION SKETCH  
CHAUMONT HARBOR TO NINE MILE PT  
NEW YORK  
CM-8302

1:50000 BRIDGING PHOTOGRAPHS  
84Z(P)



AEROTRIANGULATION SKETCH  
CHAUMONT HARBOR TO NINE MILE PT  
NEW YORK  
CM-8302

1:30000 BRIDGING PHOTOGRAPHS  
84Z (P)



CM-8302

## Control Reference for Aerotriangulation Sketch

Panel No.

1. Mort, 1983 (Sub Point)
3. Dexter 2, 1952
4. Sackets Harbor Black Tank, 1984 (Sub Point)
5. Shepard, 1983 (Sub Point)
6. Cooper (USLS), 1874
7. Galloo (USLS), 1874
8. Calf, 1984
9. Stony Point (USLS), 1874 (Sub Point)
10. 22601
11. Eastman, 1984 (Sub Point)
12. Colwell (USGS), 1893, RM 2 (Sub Point)
13. Pulaski, 1942 (Sub Point)
14. Derby, 1942 (Sub Point)
15. Mexico, 1942 (RM 3 - Stamped Mexico 1942 1974)
16. Scriba, 1942 (Sub Point)
17. Water, 1942

Fit to Control

CM-8302

Control Held in the Adjustment

1:50,000

<u>Station Name</u>	<u>Point No.</u>	<u>X</u> (Values in feet)	<u>Y</u>
<u>Strip 50-1</u>			
Tie From 50-2	401801	-.3	.5
"	401802	.6	-.3
"	401803	-1.2	.4
"	402801	1.3	-.7
"	402802	5.2	-3.4
"	402803	1.0	-1.5
"	403801	-1.0	-.7
"	403802	-.5	.7
"	403803	-.5	1.3
Mort, 1983 - Panel 1	403101	-.3	.5
Tie From 50-2	404801	-.7	1.2
"	404802	1.8	-1.0
"	404803	-.2	-.3
<u>Strip 50-2</u>			
Dexter 2, 1952 - Panel 3	385100	-.6	-.4
Sackets Harbor Black Tank 1984 - Panel 4	386101	.7	-.2
Mort, 1983 - Panel 1	403101	-.2	1.0
Shepard, 1983 - Panel 5	388101	.0	-1.0
Cooper (USLS) 1874 Panel 6	389100	.1	.6
<u>Strip 50-3</u>			
22601 - Panel 10	432100	-.4	1.1
Tie from 50-4	432801	.2	-1.4
"	432802	-.8	-1.6
"	432803	.1	-1.4

2

Stony Point (USLS), 1874 Panel 9	433101	1.3	.3
Tie from 50-4	433801	1.9	.5
"	433802	.2	2.5
"	433803	-.6	2.8
Calf, 1984 - Panel 8	434100	-2.9	-4.0
Galloo (USLS), 1874 Panel 7	435100	1.1	1.1

Strip 50-4

Dexter 2, 1952 - Panel 3	385100	-.3	.3
Sackets Harbor Black Tank 1984 - Panel 4	386101	.9	-.7
22601 - Panel 10	432100	-.9	.7
Stony Point (USLS), 1874 Panel 9	433101	.4	-.3

Strip 50-5

Pulaski, 1942 - Panel 13	355101	-.1	-.0
Derby, 1942 - Panel 14	357101	.3	.1
Scriba, 1942 - Panel 16	360101	-.3	-.1
Water, 1942 - Panel 17	362101	.1	.0

Strip 50-6

Mexico RM 3, 1974 Panel 15	366101	1.0	.0
Derby, 1942 - Panel 14	357101	-3.3	-.8
Pulaski, 1942 - Panel 13	355101	1.1	1.4
Coldwell (USLS), 1893, RM 2 - Panel 12	372101	.6	1.7
Eastman, 1984 - Panel 11	374101	1.0	-3.6
22601 - Panel 10	432100	-.5	1.3

3

1:30,000

<u>Station Name</u>	<u>Point No.</u>	<u>X</u> (Values in feet)	<u>Y</u>
<u>Strip 30-1</u>			
Cooper (USLS), 1874 Panel 6	389100	-1.3	.6
Tie from 50-2	722801	-.2	-.1
"	722802	-.5	.1
"	723801	1.2	.2
"	723802	-.7	-.7
"	723803	.0	.2
"	724804	-.9	.7
"	724805	.4	-.1
"	724806	1.8	-.3
Tie from 50-1	725801	.1	1.1
"	725802	.7	-1.0
"	725803	-.2	.0
"	726804	-1.0	1.5
"	726805	-1.0	.6
"	726806	-.5	.3
"	727804	-.3	.1
"	727805	-.9	.5
"	727806	.6	1.1
"	728804	.4	-.2
"	728805	-.4	-.0
"	728806	.7	.8
"	729801	1.2	-.3
"	729802	-.3	.3
"	729803	.0	-.5
<u>Strip 30-2</u>			
Tie from 50-1	700801	-.8	1.3
"	700802	-.6	1.0
"	700803	.0	-.4



4

Mort, 1983, - Panel 1	403101	-.5	1.3
Tie from 50-2	701801	.6	-1.5
"	701802	1.3	-1.9
"	701803	.2	-1.9
"	702801	.0	.0
"	702802	.3	-.8
"	702803	.0	1.7
"	703801	-.2	1.1
"	703802	-.2	.4
"	703803	-.8	1.2
"	704801	-.2	-1.7
"	704802	1.6	.0
"	704803	-.2	.2
Shepard, 1983 - Panel 5	388101	-.5	-.3
<u>Strip 30-3A</u>			
Stoney Point (USLS), 1874 Panel 9	433101	-1.6	.5
Tie from 50-4	752804	1.0	1.5
"	752805	1.2	-1.0
"	753805	-.7	-.9
"	753806	-1.5	-.7
"	754804	1.1	-.1
"	754805	-.4	-.1
"	754806	-.3	-.2
"	755804	-1.2	.7
"	755805	2.6	1.6
"	755806	-.2	.7
22601 - Panel 10	432100	-.5	.6
Tie from 50-6	756801	.8	-.9
"	756802	-.9	-.9
"	756803	.0	-.3

Strip 30-3B

Tie from 50-4	757801	-.6	.6
"	757802	-.3	-.3
"	757803	1.6	.8
"	757810	-.7	-1.2
"	758811	.4	1.6
"	758812	-1.2	-.5
"	759807	.3	.1
"	759808	.4	.5
"	759809	.1	.3
"	760804	.3	1.1
"	760805	-1.0	1.2
"	760806	3.4	-2.6
Tie from 50-2	760807	.5	2.9
"	760808	.4	.4
"	760809	-.2	-.2
"	761807	-1.2	1.1
"	761808	.0	1.6
"	761809	.8	1.0
Tie from 50-4	762801	.9	-.2
"	762802	.8	-.5
"	762803	1.1	-.2
Tie from 50-2	762804	1.6	-.9
"	762805	.3	1.5
"	762806	.6	-1.0
"	763801	-1.1	.2
"	763802	-.7	-.5
"	763803	-.2	.6

6

Strip 30-4

Tie from 50-4	741801	-.8	-.7
"	741802	-.3	.7
"	741803	1.1	-.4
"	742801	-1.1	-.9
"	742802	.2	.0
"	742803	-.5	.3
"	743801	-.6	.6
"	743802	.3	2.3
"	742803	-.7	.1
"	744801	2.1	.9
"	744802	.9	-1.7
"	744803	.1	.1
"	745807	-1.5	.7
"	745808	-.1	.1
"	745809	-1.7	-1.3
"	746804	-.9	.1
"	746805	-.6	.5
"	746306	-.4	-.3
"	747801	.7	-.3
"	747802	.5	-.7
"	747803	1.6	.4

## Ratio Values

CM-8302

1:50,000Ratio

84Z 4355 thru 4363	2.52
84Z 4366 thru 4377	2.51
84Z 4385 thru 4391	2.51
84Z 4401 thru 4404	2.52
84Z 4413 thru 4419	2.52
84Z 4432, 4434, 4435, 4437, 4439	2.52

1:30,000

84Z 4700 thru 4704	2.99
84Z 4722 thru 4729	3.00
84Z 4741 thru 4747	3.00
84Z 4752 thru 4763	2.99

## COMPILATION REPORT

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31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation black-and-white photographs. All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated November 1984.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the 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. The shoreline compiled was the visible line of contact between land features and the water surface at the time of photography. Based on the International Great Lakes Datum (1955), the water level taken at Cape Vincent, New York gage was 246.6 feet. Low Water Datum for Lake Ontario is 242.8 feet.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31.

37 - LANDMARKS AND AIDS

There are 3 charted landmarks and 2 charted navigational aids within the limits of this manuscript. Among these, 2 landmarks and no aids were either located or verified photogrammetrically. Appropriate information was prepared on the 76-40 forms submitted with this map.

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38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S.G.S. quadrangles:  
Texas, N.Y., dated 1955, scale 1:24,000  
West of Texas, N.Y., dated 1955, photorevised 1982, scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:  
14803, 23rd edition, dated April 7, 1984, scale 1:80,000  
14800, 26th edition, dated May 12, 1984, scale 1:400,000.

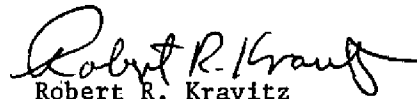
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

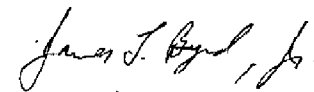
ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

  
Robert R. Kravitz  
Cartographic Technician  
9 September 1985

Approved:

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

GEOGRAPHIC NAMES

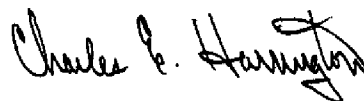
FINAL NAME SHEET

CM-8302 (Lake Ontario, New York)

TP-01229

Butterfly Creek  
Butterfly Swamp  
Catfish Creek  
Demster Beach (locality)  
Hickory Grove  
Lake Ontario  
Little Salmon River  
Mexico Bay  
Mexico Point  
Nine Mile Point  
Pleasant Point  
Shore Oaks  
Sunset Bay  
Texas

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

REVIEW REPORT  
TP-01229  
SHORELINE

61 - GENERAL STATEMENT

Refer to the Summary included in this Descriptive Report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale U.S.G.S. quadrangles:

Texas, N.Y., dated 1955,

West of Texas, N.Y., dated 1955, photorevised 1982.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted with this shoreline mapping project.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:  
14803, 23rd edition, 1:80,000 scale, April 7, 1984.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:

*Jerry L. Hancock*  
Jerry L. Hancock  
Final Reviewer

Approved for forwarding:

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved:

*J. A. Munn*  
Chief, Photogrammetric Section,  
Rockville

*Ronald K. Brewer*  
Chief, Photogrammetry Branch,  
Rockville



Replaces C&amp;GS Form 567.

## NON-ELUCATING AIDS OR LANDMARKS FOR CHARTS

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

**ORIGINATING ACTIVITY**

- ☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH
- (See reverse for responsible personnel)

DATE.

Oct. 1985

LOCALITY

Lake Ontario

STATE

New York

REPORTING UNIT

Field Party, Ship or Office)  
Coastal Mapping Unit

AMC, Norfolk, VA

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

**JOB NUMBER**

SURVEY NUMBER

TP-01229

A. 1921

A-1927

**POSITION**

RECORD REASON	DESCRIPTION
Record reason for deletion of landmark or aid to navigation.	Show triangulation station names, where applicable, in parenthesis.

DESCRIPTION

L A T

**NOTE**

### 3051

11	D. P. Meters
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11	D. M. Meiers
----	--------------

0. /

aid to navigation.

on of landmasses, whose

Reason for deletion

45  
 45CHART  
NAME

1000

\*

✱

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Robert R. Kravitz
<div style="text-align: right;"> <input type="checkbox"/> PHOTO FIELD PARTY  <input type="checkbox"/> HYDROGRAPHIC PARTY  <input type="checkbox"/> GEODETIC PARTY  <input type="checkbox"/> OTHER (Specify) </div>	
FIELD ACTIVITY REPRESENTATIVE	
OFFICE ACTIVITY REPRESENTATIVE	
<div style="text-align: right;"> <input type="checkbox"/> REVIEWER  <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE </div>	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64)	
OFFICE	FIELD (Cont'd)
<p><b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b>  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</p>	<p><b>B. Photogrammetric field positions** require</b>  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</p>
FIELD	
<p><b>I. NEW POSITION DETERMINED OR VERIFIED</b>  Enter the applicable data by symbols as follows:  F - Field  L - Located  V - Verified  1 - Triangulation  2 - Traverse  3 - Intersection  4 - Resection</p>	<p><b>II. TRIANGULATION STATION RECOVERED</b>  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</p>
<p><b>A. Field positions* require entry of method of location and date of field work.</b>  EXAMPLE: F-2-6-L  8-12-75</p>	<p><b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b>  Enter 'V-Vis.' and date.  EXAMPLE: V-Vis.  8-12-75</p>
<p><b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b></p>	
<p><b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b></p>	

