

TP- 01221

TP- 01221

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

<i>Map No.</i> TP-01221	<i>Edition No.</i> 1
<i>Job No.</i> CM-8302	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> NEW YORK	
<i>General Locality</i> LAKE ONTARIO	
<i>Locality</i> CHAUMONT	
1984 TO 19	
REGISTERED IN ARCHIVES	
DATE	

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. <u>01221</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>RM-CM-8302</u>	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE A. Y. Bryson, CDR				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: <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)			
3. MAP PROJECTION Transverse Mercator Projection				4. GRID(S) STATE New York ZONE Central			
5. SCALE 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				S. Solbeck		Nov 1984	
METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY				S. Solbeck		Nov 1984	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		Nov 1984	
METHOD: <u>Calcomp 718</u> CHECKED BY				D. Norman		Nov 1984	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				R. Kravitz		Jun 1985	
COMPILATION CHECKED BY				W. McLemore, Jr.		Jun 1985	
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY				N.A.			
SCALE: <u>1:10,000</u> CHECKED BY				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. Kravitz		Jul 1985	
CHECKED BY				W. McLemore, Jr.		Jul 1985	
METHOD: <u>Smooth drafted</u> CONTOURS BY				N.A.			
CHECKED BY				N.A.			
SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY				N.A.			
CHECKED BY				N.A.			
5. OFFICE INSPECTION PRIOR TO FINAL REVIEW BY				W. McLemore, Jr.		Jul 1985	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.			
CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW Class III BY				W. McLemore, Jr.		Jul 1985	
8. FINAL REVIEW Class III (Final) BY				J. Hancock		Oct 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	

TP-01221

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) (Z = 153.15 mm)

Wild R.C. - 10 (Z)

~~NOAA FORM 76-36B~~ Water Level Gage☐ PREDICTED TIDES☒ REFERENCE STATION RECORDS *☐ TIDE CONTROLLED PHOTOGRAPHYTYPES OF PHOTOGRAPHY
LEGEND

(C) COLOR

(P) PANCHROMATIC

(I) INFRARED

TIME REFERENCE

ZONE

Eastern

MERIDIAN

75th

☒ STANDARD☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	* NOAA FORM 76-36B Lake Level
84Z(P) 4700-4703	5-27-84	13:37	1:30,000	246.6 feet
84Z(P) 4726-4729	5-27-84	13:49	1:30,000	246.6 feet

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.

2. SOURCE OF MEAN HIGH-WATER LINE:

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 photointerpretation of the above listed black-and-white compilation/bridging photographs.

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

This item is not applicable to the project.

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-01222	TP-01224 TP-01225	CM-8205 TP-01170
REMARKS			

TP-01221

HISTORY OF FIELD OPERATIONS

1. ☒ 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 C. Middleton	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
Premarked (Paneled)2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
84Z(P) 4403	MORT, 1983 (Field Position) Sub point paneled		

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)

 2 NOAA forms 76-52 }
 1 NOAA form 76-156 } Project Data
 1 NOAA form 76-19 }

 2 NOAA forms 75-63
 1 NOAA form 76-53 (CSI Cards)

TP-01221

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	July 1985	Class III Manuscript	None	None
Final Review, Class III	Oct. 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
2		12/16/85	Landmarks and Aids to Navigation for Charting

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

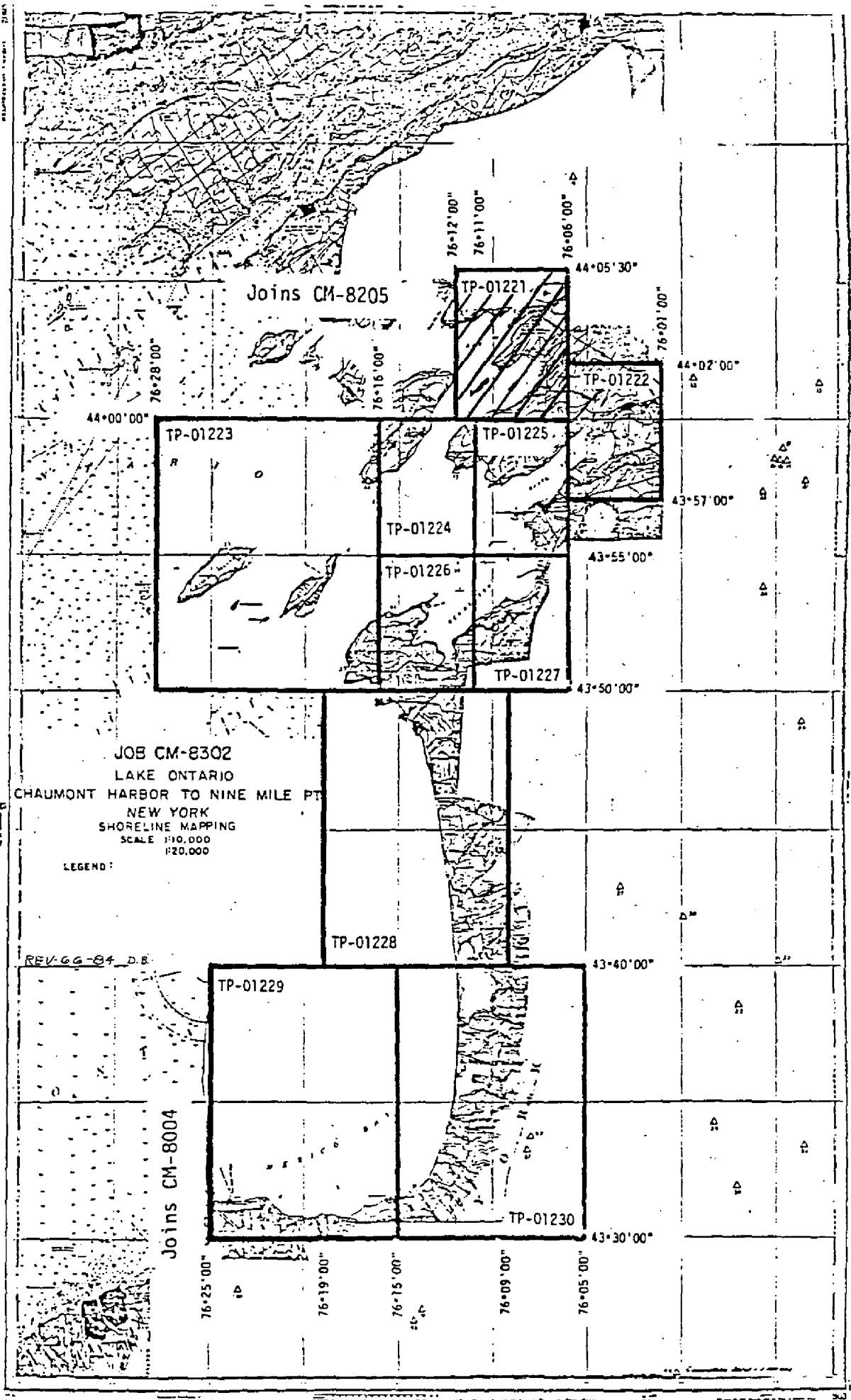
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-48 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	



Joins CM-8205

JOB CM-8302
LAKE ONTARIO
CHAUMONT HARBOR TO NINE MILE PT
NEW YORK
SHORELINE MAPPING
SCALE 1:10,000
1:20,000

LEGEND:

REV. 66-84 D.B.

Joins CM-8004

TP-01229

TP-01230

TP-01228

TP-01221

TP-01222

TP-01223

TP-01225

TP-01224

TP-01226

TP-01227

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01221

This 1:10,000 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 features the eastern shoreline of Chaumont Bay and Guffin Bay and defines the northern limit of the project. Map TP-01170 of project CM-8205 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 July 1985. Delineation of map detail was accomplished using stereo instrument methods based upon interpretation of the 1:30,000 scale mapping photographs.

Final review was performed at the Atlantic Marine Center in October 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-01221

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.

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 are 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.

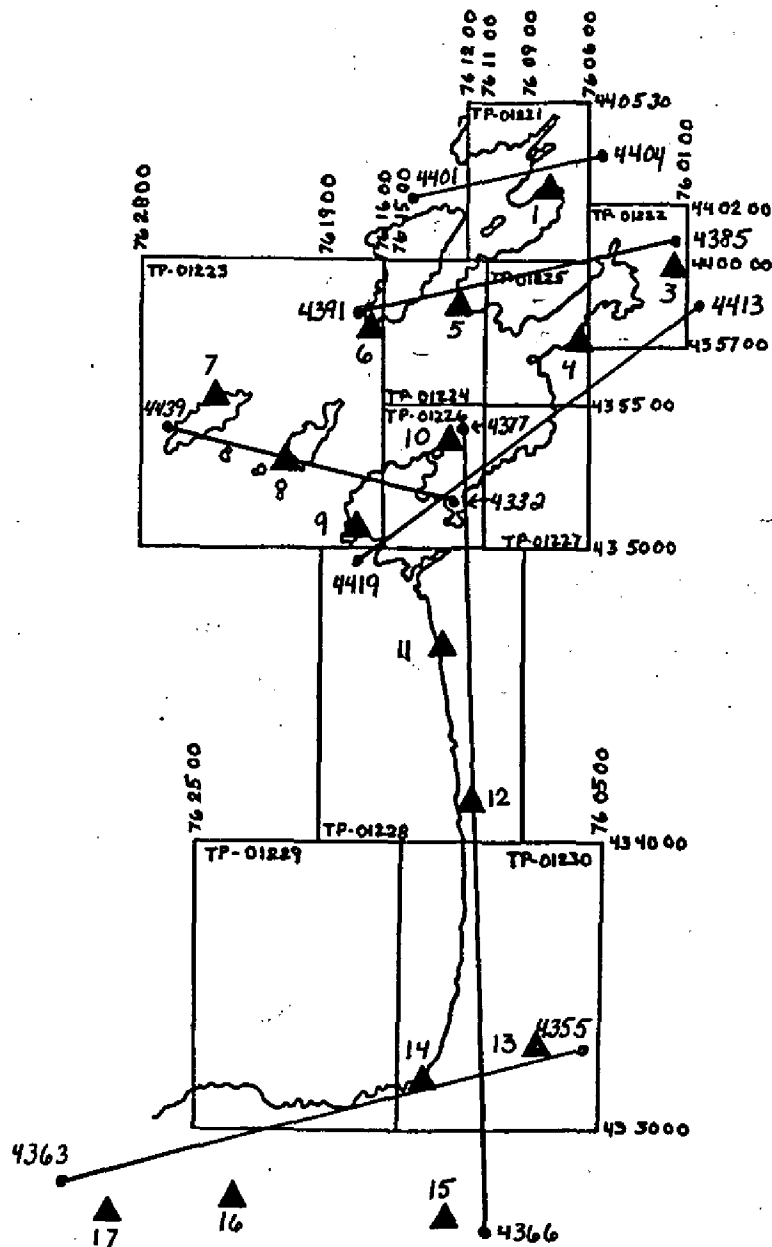
Submitted by,
Stephen H. Solbeck
Stephen H. Solbeck

Approved and Forwarded:

Don O. Norman
Don O. Norman
Chief, Aerotriangulation Unit

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

1:50000 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

Strip 30-3A

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
"	746806	-.4	-.3
"	747801	.7	-.3
"	747802	.5	-.7
"	747803	1.6	.4

Ratio Values
CM-8302

<u>1:50,000</u>	<u>Ratio</u>
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

<u>1:30,000</u>	
84Z 4700 thru 4704	2.99
84Z 4722 thru 4729	3.00
84Z 4741 thru 4747	3.00
84Z 4752 thru 4763	2.99

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET STATE New York ZONE Central	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY Coastal Mapping Unit, AMC, Norfolk, VA	REMARKS
				ϕ	λ		ϕ LATITUDE	λ LONGITUDE		
TP-01221	CM-8302	Field	403100	$x=$			ϕ	44 01 29.3650		
MORT, 1983		Position		$y=$			λ	76 07 06.6444		
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
				$x=$			ϕ			
				$y=$			λ			
COMPUTED BY			DATE	COMPUTATION CHECKED BY					DATE	
LISTED BY R. R. Kravitz			DATE 6-12-85	LISTING CHECKED BY W. McLEMORE, JR.					DATE 7-18-85	
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY					DATE	

COMPILATION REPORT

TP-01221

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 1:30,000 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; however, in some areas, glare on the water made the delineation of the shoreline, alongshore and offshore details difficult.

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 4 charted navigational aids within the mapping limits of this manuscript. Among these, 3 landmarks and 1 aid were either located or verified photogrammetrically. Appropriate information was prepared on the 76-40 forms and submitted with this map.

TP-01221

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:
Dexter, N.Y., dated 1958, photorevised 1982, scale 1:24,000
Chaumont, N.Y., dated 1958, scale 1:24,000.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:
14811, 13th edition, dated April 28, 1984, scale 1:30,000 with 1:12,000 inset
14802, 27th edition, dated November 24, 1984, scale 1:80,000
14800, 26th edition, dated May 12, 1984, scale 1:400,000

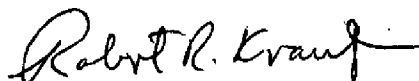
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

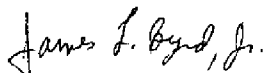
None.

Submitted by:



Robert R. Kravitz
Cartographic Technician
11 July 1985

Approved:



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

SEP 6 1985

GEOGRAPHIC NAMES

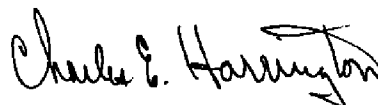
FINAL NAME SHEET

CM-8302 (Chaumont Harbor to Nine Mile Point, N.Y.)

TP-01221

Adams Cove
Chaumont
Chaumont Bay
Chaumont River
Cherry Island
Crab Island
Croyle Island
Duck Bay
Guffin Bay
Guffin Creek
Herrick Grove (locality)
Horse Creek
Independence Point
Lake Ontario
Point Salubrious
Sawmill Bay *GH*
Three Mile Bay *GH*
Three Mile Creek *GH*
Three Mile Point *GH*

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
TP-01221
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:

Dexter, N.Y., dated 1958, photorevised 1982

Chaumont, N.Y., dated 1958.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted prior to this shoreline mapping project.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:

14811, 13th edition, 1:30,000 scale, April 28, 1984

14802, 27th edition, 1:80,000 scale, November 24, 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. M. Morney

Chief, Photogrammetric Section,
Rockville

Ronald K. Brewer

Chief, Photogrammetry Branch,
Rockville

[illegible]

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	ORIGINATOR
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	Robert R. Kravitz	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

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

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

[illegible]

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="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>ORIGINATOR</p> <p><input type="checkbox"/> PHOTO FIELD PARTY</p> <p><input type="checkbox"/> HYDROGRAPHIC PARTY</p> <p><input type="checkbox"/> GEODETIC PARTY</p> <p><input type="checkbox"/> OTHER (Specify)</p> <p>FIELD ACTIVITY REPRESENTATIVE</p> <p>OFFICE ACTIVITY REPRESENTATIVE</p> <p><input type="checkbox"/> REVIEWER</p> <p><input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE</p> </div> <div style="width: 50%;"> <p>INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'</p> <p>(Consult Photogrammetric Instructions No. 64.)</p> </div> </div>	
<div style="display: flex;"> <div style="width: 45%;"> <p>OFFICE</p> <p>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</p> <p>FIELD</p> <p>I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection</p> <p>A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75</p> <p>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</p> </div> <div style="width: 50%;"> <p>FIELD (Cont'd)</p> <p>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</p> <p>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</p> <p>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75</p> <p>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</p> </div> </div>	

