NGAA FORM 76-35 (3-76)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY
DESCRIPTIVE REPORT
DESORIETIVE REFORT
THIS MAP EDITION WILL NOT BE FIELD EDITED
Map No. Edition No.
TP-00498 1
Job No.
CM-8000
Map Classification
CLASS III FINAL
Type of Survey
SHORELINE
LOCALITY
State
NEW YORK
General Locality LAKE ONTARIO
NIAGARA RIVER TO ROCHESTER Locality
· ·
NIAGARA RIVER

. 1980 TO 19
REGISTRY IN ARCHIVES
DATE
DATE

*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

WALL FARM 7/ 0/1			
NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE' 13-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY T	г. <u>00498</u>
	M ORIGINAL	MAPEDITIO	n no. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS	III Final
·	REVISED	JOB X	xx <u>CM−8000</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDIN	NG MAP FOIT	ION
Atlantic Marine Center	TYPE OF SURVEY		H
Coastal Mapping Division, Norfolk, VA	D ORIGINAL	MAP CLASS	
OFFICER-IN-CHARGE	☐ RESURVEY	SURVEY DA	
	☐ REVISED	19 TO 19	
Max Ethridge			
I. INSTRUCTIONS DATED			
1. OFFICE	2. F	TELD	
Aerotriangulation August 1, 1980 Amendment-Change No. 1 August 18, 1980 Compilation September 30, 1981 Memo (Registration Part 1) December 9, 1981 Memo (Re: Part Compilation) December 14, 1981 Memo (Registration Parts II & III) May 13, 1982		g Mar	ch 25, 1980
II. DATUMS			
I. HORIZONTAL: A 1927 NORTH AMERICAN	OTHER (Specify)		
I HOMEON CAN			
MEAN HIGH-WATER	OTHER (Specify)		0 4 (1055)
2. VERTICAL:	International Grea		- I
MEAN LOWER LOW-WATER MEAN SEA LEVEL	Lake Ontario Low W	ater bati	um
3. MAP PROJECTION	4.6	RID(S)	
	STATE	ZONE	
Transverse Mercator	New York	W	est {
5. SCALE	STATE	ZONE	
1:20.000			
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS	NAME		DATE
1. AEROTRIANGULATION BY	B. Thornton		Aug. 1980
METHOD: Analytic LANDMARKS AND AIDS BY	D. Norman		Aug. 1980
2. CONTROL AND BRIDGE POINTS PLOTTED BY	B. Thornton		Oct. 1980 Oct. 1980
METHOD: Calcomp 718 CHECKED BY	D. Norman C. Klein		May 1982
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	R. Kravitz		May 1982
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY	NA		110, 1702
SCALE: 1:20,000 CHECKED BY	NA		
4. MANUSCRIPT DELINEATION PLANIMETRY BY	C. Klein		June 1982
CHECKED BY	R. Kravitz		Aug. 1982
CONTOURS BY	NA		
метнор: Smooth drafted снескер ву	NA		
scale: 1:20,000 HYDRO SUPPORT DATA BY	C. Klein		June 1982
CHECKED BY	R. Kravitz		Aug. 1982
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. Kravitz		Aug. 1982
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	NA NA		
7. COMPILATION SECTION REVIEW Class III BY	R. Kravitz		Aug. 1982
8, FINAL REVIEW Class III BY	L. O. Neterer, Jr.		Dec. 1982
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	L. O. Neterer, Jr.		Dec. 1982
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		00-	Mar. 1983
	Robert Kelly (Signed)	<u> </u>	Mar. 1903 4 1903

NOAA FORM 76-36B (3-72)				NATIONAL OCE	ANIC AND A	TMOSPHE	RIC ADMIN	ISTRAT
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NUMBER AND		DATE	TIME	SCALE			E OF TIDE	
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U. 5. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY TP-00498 HISTORY OF FIELD OPERATIONS. FIELD EDIT OPERATION. I. X FIELD INSPECTION OPERATION OPERATION NAME DATE 1. CHIEF OF FIELD PARTY Roos. Tibbetts Sept. 1980 Sept. 1980 C. S. Middleton RECOVERED BY 2. HORIZONTAL CONTROL ESTABLISHED BY None C. S. Middleton Sept. 1980 PRE-MARKED OR IDENTIFIED BY RECOVERED BY None None 3. VERTICAL CONTROL ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY None None RECOVERED (Triangulation Stations) BY None 4. LANDMARKS AND LOCATED (Field Methods) BY AIDS TO NAVIGATION None IDENTIFIED BY TYPE OF INVESTIGATION COMPLETE 5. GEOGRAPHIC NAMES INVESTIGATION SPECIFIC NAMES ONLY XX NO INVESTIGATION None 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY 7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA II. SOURCE DATA 2, VERTICAL CONTROL IDENTIFIED 1. HORIZONTAL CONTROL IDENTIFIED None PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION 80 Z(P)6898 Fort Niagara (LSC) 1972 3. PHOTO NUMBERS (Clarification of details) None 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME

1 - CSI Card - form 76-53

7. SUPPLEMENTAL MAPS AND PLANS

REPORT

X NONE

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

6. BOUNDARY AND LIMITS:

5. GEOGRAPHIC NAMES:

REPORT

X NONE

NOAA FOR	RM 76-36D		NATIONAL OCEANIC	U. S. DEPARTME	NT OF COMMERCI
(3-72)		i Ti	P-00498	AND ATMOSPHERIC	ADMINISTRATIO
		RECO	RD OF SURVEY USE	·	
I. MANUSC	RIPT COPIES				
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	DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPOR
Compila	tion complete			<u> </u>	
pending	field edit	August 1982	Class III manuscript		
··		Dec. 1982	Final Class III map	Mar. 1983	
Final R	eview, Class III	1	No field edit performed	1141. 1505	
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			och time a new map edition is registered	<u> </u>	
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DATE OF PHOTOGRAPHY

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TYPE OF SURVEY

MAP CLASS

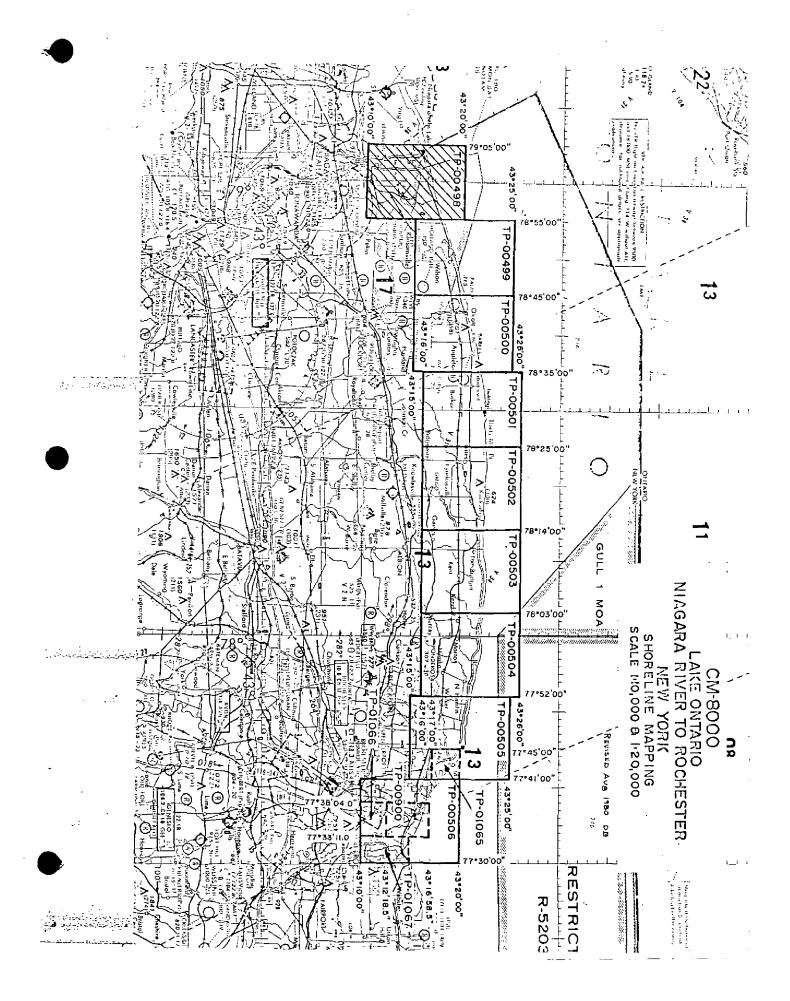
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00498

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

This project encompasses the southern lake shore from Niagara River longitude $79^{\circ}05^{\circ}00''$, east to Rochester longitude $77^{\circ}30^{\circ}00''$.

Correspondence from the Chief of Photogrammetry 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 1:50,000 scale.

Color film with the "E" camera at 1:30,000 scale from Project CM-8104 Niagara River, New York, was used to complete the hiatus between the two projects caused by insufficient photo coverage on Project CM-8000. These same photographs were used for compilation.

Analytic aerotriangulation was performed at the Washington Science Center in November 1980 on CM-8000 and in September 1981 on CM-8104.

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 December 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.

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.

Control Point No. 2 RANSONVILLE, 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.

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-10167 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,

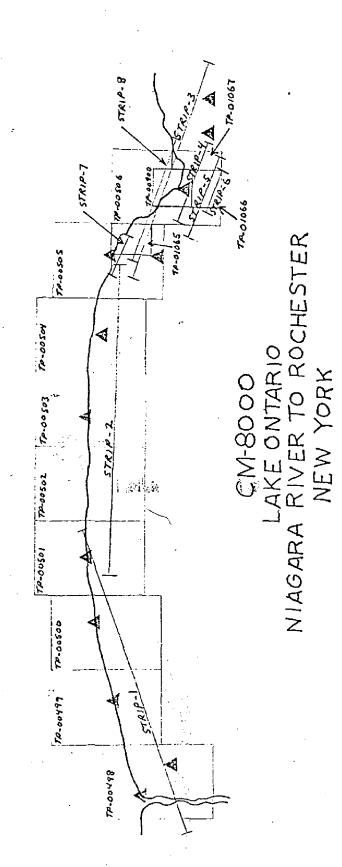
Brian Thornton

Approved and Forwarded:

Son O. Horman

Don O. Norman

Chief, Aerotriangulation Section



Page 1 of 2

				Page 1	or 2
NDAA FORM 76-41 (6-75)		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	VITY
TP-00498	CM-8000)	NA 1927	Coastal Mapi	Mapping Division
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE New York ZONE West	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
CAMP 2 (USGS), 1973	Quad 430783 Sta 1024	6	π χ	\$ 43016'37.319" \$ 78050'09 985"	
FORT NIAGARA WATERTANK,			x=	43015143	
NEW YORK, 1941	GP-1	898199	y=	λ 79003'35.121"	
FORT NIAGARA LICHTHOUSE NEW YORK, 1941	GP-1	.898149	x=	43015'42.	-
			∂=	λ 79003'38.779"	
VINCENT PIER, NEW YORK,			χ=	\$ 43015'16.993"	
1941	GP-1	50 A	ή=	λ 79003'07.286"	
	Ç		χ=	\$ 43°14'43,607"	
OAK, CANADA, 1941	GF-2	3.1 B	<i>g</i> =	λ 79003'31,819"	
STEPS-IWC, CANADA			<i>-</i> 'X=	\$ 43°14'33.099"	
	GP-2	52	· y=	λ 79003133,659"	
STELLA-IWG, NEW YORK,	c c	(<i>-</i> χ	\$ 43012'00,481"	
1912	GP-3	0.1	y=	λ 79002'44.981"	
GYPSY ECC. CANADA.			-χ	\$ 43011'30.311"	
~+ I	GP-3	63	<i>ij=</i>	λ 79003'16.677"	
	ć		=X	\$ 43015*19.433"	
ON-THE-LAKE, CANADA, 1941	GF-24		y=	λ 79003'43.143"	
<₹	Ç		χ=	φ 43015'13.583"	
ON-THE-LAKE, CANADA, 1941	GF-23		ig-	λ 79003'38.361"	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY C. Klein		OATE 6/7/82	LISTING CHECKED BY R. Kra	Kravitz	DATE August 23, 1982
HAND PLOTTING BY		DATE	MAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	CH IS OBSOLETE.	12

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NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIV	•
TP-00498	CM-8000		NA 1927	Coastal Mapping Norfolk, VA	ing Division
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
STATION NAME	INFORMATION (Index)	ANGULATION POINT NUMBER	state New York zone West	φ LATITUDE λ LONGITUDE	REMARKS
CATHOLIC CHURCH CROSS	L		=χ	\$ 43°15'13,570"	
NIAGARA ON-THE-LAKE, Canada, 1941	GP-25		= <i>f</i> q	λ 79004'04,587"	103.5 1250.0
FORT NIAGARA (LSC) 1972		0	χ= 371,856.010	\$	
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COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY C. Klein		DATE 6/7/82	LISTING CHECKED BY R. Kravitz	itz	DATE August 23, 1982
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	1

COMPILATION REPORT

TP-00498 CM-8000

31. DELINEATION

All delineation was by office interpretation of the 1:50,000 scale, June 5, 1980, panchromatic and the 1:30,000 scale, September 27, 1980, color photographs using the Wild B-8 stereoplotting instrument. Refer to form 76-36B for a list of the photographs. Photo coverage was adequate.

32. CONTROL

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

33. "SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to this project. See Item #31 for drainage.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline is defined as the visible line of contact between land features and the water surface. The shoreline was checked by using black and white ratio photographs. No unusual problems were encountered. See Item #31.

36. OFFSHORE DETAILS

No unusual problems were encountered. See Item #31.

37. LANDMARKS AND AIDS

Appropriate copies of the 76-40's are submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

None

TP-00498 CM-8000

39. JUNCTIONS

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

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangles:

Fort Niagara, NY, scale 1:24,000, 1965 Lewiston, Ontario, NY, scale 1:24,000, 1965 Six Mile Creek, NY, scale 1:24,000, 1973

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey charts: 14806, scale 1:80,000, dated July 11, 1981, 20th edition 14816, scale 1:30,000, dated September 19, 1981, 20th edition

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

^ZCarl J. Klein Cartographic Aid

June 8, 1980

Approved:

James L. Byrd, Jr.

Chief, Coastal Mapping Section

REVIEW REPORT SHORELINE

TP-00498

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. Quadrangle:

Fort Niagara, New York-Ontario, dated 1965; Lewiston, Ontario-New York, dated 1965, and Six mile Creek, New York, dated 1973. All three are 1:24,000 scale.

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. Charts: 14816, 1:30,000 scale, dated September 19, 1981, 20th edition, and 14806, scale 1:80,000, dated July 11, 1981, 20th edition.

66, ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Final Reviewer

Approved for forwarding:

Billy H. Barnes

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Protogrammetric Branch, Rockville Chief, Photogrammetry Division

John D. Perrow

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00498

Canada

Collingwood Estates

Fort George

Fort Mississauga

Fort Niagara Beach (Pp1)

Fourmile Creek

Harrison Grove

Lake Ontario

Lewiston

Mississauga Point

Niagara-on-the-Lake

Niagara River

Old Fort Niagara

Queenston

Riverside Manors

Sixmile Creek

Stella Niagara

Uneeda Beach (Pp1)

United States

Youngstown

Youngstown Estates

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

See Toke T	NOAA FORM 76-40 (8-74)	40	SCIA SUIT ACTION	AIDS	Y Z	TIONAL OCE	ANIC AND	, DEPART	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY ARTY
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ANG. Norfolk, VA	X TO BE CHAR	TED SED	REPORTING UNIT IF laid Party, Ship or Office) Coastal Mapping Div.	STATE		Locatity Lake Or	ntario		DATE	COMPILATION ACT	Y117
According to the control of the co	TO BE DELE		AMC, Norfolk, VA	New York	!	Niagara	River	to Rock	ester	COAST PILOT BRA	C & REVIEW GRP NCH
CAL-8000 TP-00498 DATE CATON	The following		AVE HAVE NOT X been	inspected from seav	vard to de	termine the	r value as	landmarks		(See reverse for respon-	tible personnel)
C24-8000 TP-00498 CAPTION CA	OPR PROJECT	O	JOB NUMBER SURVE	Y NUMBER	MUTA0	1927					
				-00498			NO		(See Instructions	on reverse aide)	CHARTS
Show tiangulan advances or and to newlection. 19. Show tiangulan advances, where applicable, in parameters 20. D. N. Netters		_	NOTE OF THE PROPERTY OF THE PR		LATI			UDE			AFFECTED
Fort Mississauga Light (Canada)	CHARTING NAME	(Record re	ason for deletion of landmark or aid aguistion station names, where applic	to nevigation.	Į.	D.M. Meters	1	D.P. Meters	OFFICE	FIELD	
Niagara River Range Front Light Canada, 1941) Nagara River Range Rear Light (Back Range Light, Niagara-on-the-Lake, 43 15 Canada, 1941) Fort Niagara Light (Fort Niagara Light (Privately Maintained) In light list, but not on chart.	LIGHT	For	t Mississauga Light ((43.10	1	35.33	802(P)6898 6/5/80		14806 14816
Niagara River Range Rear Light (Back Range Light, Niagara-on-the-Lake, 43 15 Canada, 1941) Fort Niagara Light (Fort Niagara Lighthouse, New York, 1941) Asintained) In light list, but not on chart. **Togalaria	LIGHT	Nia (Front Canada	gara River Range Front Range Light, Niagara- , 1941)	-Lake,	-	19,433	6	43.143	80Z(P)6898 6/5/80		z =
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		Lew Mainta chart.	Ski Jump Light In light list,	Privately but not on	t				Not identifiable on 1980		==
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FIELD POSITIONS are determined by field obser~ vations based entirely upon ground survey methods.	8-12-75	sitions requ	tion 7 - n 8 -	ation 5 - 6 -	Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually V - Verified	FIELD DOSITION DETERMINED OR VERLETO	OFFICE IDENTIFIED AND LOCATED OBJECTS 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75		ACTIVITIES		SOSTITIONS DETERMINED AND/OR VERTIED		OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
ods.	**	ire entry of method of field work.	Planetable	Field identified Theodolite	data by symbols as follows: P - Photogrammetric Vis - Visually		·	(Consult Photogrammetric Instructions No. 64,		C. Klein					XAXE.	RESPONSIBLE PERSONNEL
₹	**PHOTOGRAMMETRIC FIELD POS	EXAMPLE: V-Vis. 8-12-75	25	8-12-75	When a landmark or aid which is angulation station is recovered Rec. with date of recovery. EXAMPLE: Triang. Rec.		FIELD (Cont'd) B. Photogrammetric field entry of method of lodate of field work are graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	structions No. 64,	1		TI		,			SONNEL
<u>σ</u>	C FIELD POSITIONS are dependent n part, upon control established		ALLY ON PHOTOGRAPH		mark or aid which is also a tri- station is recovered, enter 'Triang. date of recovery. riang. Rec.	00000000	(Cont'd) 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		REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY	HYDROGRAPHIC PARTY	PHOTO FIELD PARTY	DRIGINATOR	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND Existing stock should be destroyed upon receipt of revision,

欠 U.S.GPO:1975-0~665-080/1155

NOAA FORM 76-40 (8-74)	-40		X	A N	TIONAL OCE	D ANIC AND	S. DEPARTA	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567		÷		MARKS	FOR CH	(RTS		•	GEODETIC PARTY PHOTO FIELD PARTY	· >
TO BE CHARTED TO BE REVISED		REPORTING UNIT IF ield Parr, Ship or Office) Coastal Mapping Division	STATE		Locatity Lake Ontario	CALITY Lake Ontario	to Pooboctor	August 1087	COMPLATION ACTIVITY FINAL REVIEWER OUALITY CONTROL & REVIEW GRP.	TIVITY.
The following obje		HAVE HAVE NOT IX been inspected f	been inspected from sea	ward to de	from seaward to determine their value as landmarks	ir value as	landmarks.	_ .	COAST PILOT BRANCH (See reverse for responsible personnel)	NCH sible personnel)
OPR PROJECT NO.		JOB NUMBER	SURVEY NUMBER	DATUM						
				N.	NA 1927			METHOD AND DATE OF LOCATION	E OF LOCATION	
	_	CM-8000	TP-00498		POSITION	NO		(See instructions on reverse side)	on reverse side)	CHARTS
	, , .	DESCRIPTION		LATITUDE	UDE	LONGITUDE	TUDE			AFFECTED
CHARTING	(Record res	(Record resson for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	or aid to navigation. applicable, in perentheses)	, ,	// D.M. Meters	, ,	// D.P.Meters	OFFICE	FIELD	
TANK	(Fort	(Fort Niagara Water Tank, New York, 1941)	nk, New York,	43 15	43.215	79 03	35.121	802(P)6898 6/5/80		14806 14816
R	At Fo	Fort Niagara						Not Identifiable on 1980 photos		14816
SILOS	Most	northerly of four		43 16	40.365	78 55	55,371	802(P)6901 6/5/80		14806
SILOS	Tallest	st and most westerly	rly of three	43 16	39.95	78 55	50.12	802(P)6901 6/5/80		E
SPIRE	At Ni	Niagara-on-the-Lake	e (Canada)	43 15	18.79	79 04	48.63	802(P)6898 6/5/80		14816
TANK	At Ni	Niagara-on-the-Lake	e (Canada)	43 15	00,585	79 04	52,568	802(P)6897 6/5/80		14806 14816
FP.	At Fo	At Fort George (Canada)	a)	43 15	04.54	79 03	39.37 888	802(P)6898 6/5/80		14816
TANK	At Fort	Niagara Yact	Club	43 15	02.650	79 02	57.117	802(P)6898 6/5/80		:
STACK	At St	Stella Niagara		43 12	02,82 87	79 023	28, 797 650	802(P)6898 6/5/80		
SPIRE	At St	Stella Niagara		43 12	01.49	79 02	28.26	802(P)6898 675780		14806

	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAM	THE STATE OF THE S	ORIGINATOR
		 	PHOTO FIELD PARTY
			HYDROGRAPHIC PARTY
OBJECTS NSPECTED FROM SEAWARD			GEODETIC PARTY
			OTHER (Specify)
			FIELD ACTIVITY REPRESENTATIVE
	C. Klein		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL			REVIEWER
AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF	METHOD AND DATE OF LOCATION	,
	(Consult Photogrammet	(Consult Photogrammetric Instructions No. 64,	
OFFICE IDENTIFIED AND LOCK	TED OR IECTS	_	
Enter the number and date (including month.	(including month.	B. Photogrammetric fie	Photogrammetric field positions** require
day, and year) of the photograph used	ograph used to	-	and number of the photo-
identify and locate the object. EXAMPLE: 75E(C)6042	ject.	graph used to locat EXAMPLE: P-8-V	ed to locate or identify the object. P-8-V
		74L(C)2982	ž.
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F-Field P-P	7.		station is recovered, enter 'Triang.
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tion 7 -	Planetable	III. POSITION VERIFIED VIS	ERIFIED VISUALLY ON PHOTOGRAPH
00 ~	Sextant	Enter 'V+Vis.' and date	100
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and date of	field work.	8~12-75	
EXAMPLE: F-2-0-L 8-12-75			IC FIELD POSITIONS are dependent
*FIELD POSITIONS are determine	are determined by field obser-	by photogrammetric methods	ds.
vations based entirely upon ground survey methods.	round survey methods.		

NOAA FORM 75-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

C + C

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NOAA FORM 76-40	40		LAN	TIONAL OCE	ANIC AND	S. DEPARTI ATMOSPHER	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	Form 567.	LANG	OMARKS	LANDWARKS FOR CHARTS	ARTS			GEODETIC PARTY	. ,
		STATE		LOCALITY			DATE	W COMPILATION ACTIVITY	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TO BE CHARLED	For Field Perty, Ship or Office) For Coastal Mapping Div.			Lake Ontario	ntario		August	FINAL REVIEWER	
TO BE DELETED		A New Yor	k	Niagara River	River t	to Rochester		COAST PILOT BRANCH	TUT
The following objects	1 1	HAVE HAVE NOT X been inspected from seaward to determine their value as landmarks	ward to de	termine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT A	IO. JOB NUMBER	SURVEY NUMBER	DATUM						
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	OCIO LID	11 00420		POSITION	NO		(see maiructions on reverse side)	on reverse side)	CHARTS
,	DESCRIPTION	Z O	LATITUDE	rube	LONGITUDE	TUDE		-	AFFECTED
CHARTING	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses	ark or aid to navigation. ers applicable, in perentheses)	` •	D.M. Meters	•	D.P. Meters	OFFICE	F	-
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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	Æ	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	•		PHOTO FIELD PARTY HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)
	7,7		FIELD ACTIVITY REPRESENTATIVE
COST CAS DE EXMINED AND/CA VENTAED	C. Klein		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER OUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
· ·	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	OR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE IDENTIFIED AND LOCATED OBJECTS	ATED OBJECTS	mmetric	field positions** require
	(including month, cograph used to sject.	entry of date of f graph use EXAMPLE:	cation or ver nd number of t or identify t
FIELD 1. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually V - Verified	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec. with date of recovery. EXAMPLE: Triang. Rec.	ON RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery. lec.
ation 5 - 6 - tion 7 -	Field identified Theodolite Planetable	<	8-12-75 ERIFIED VISUALLY ON PHOTOGRAPH
4 - Resection / - P	Sextant		te.
sitions*	require entry of method of e of field work.		
EXAMPLE: F-2-6-E 8-12-75	-	**PHOTOGRAMMETRIC FIELD PC entirely, or in part, up	IC FIELD POSITIONS are dependent in part, upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	d by field obser- pround survey methods.	by photogrammetric methods	ds.

NOAA FORM 76-40 (8-74)

. NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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