

NOAA FORM 76-35
(6-80)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

THIS MAP WILL NOT BE FIELD EDITED

<i>Map No.</i> TP-01173	<i>Edition No.</i> 1
<i>Job No.</i> CM-8205	
<i>Map Classification</i> CLASS III FINAL	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> NEW YORK, USA--ONTARIO, CANADA	
<i>General Locality</i> ST. LAWRENCE RIVER	
<i>Locality</i> ALEXANDRIA BAY	
19 82 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																											
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td>☒ ORIGINAL</td> <td></td> </tr> <tr> <td>☐ RESURVEY</td> <td></td> </tr> <tr> <td>☐ REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		☒ ORIGINAL		☐ RESURVEY		☐ REVISED																			
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson, CDR		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY <u>TP-01173</u></td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS <u>III Final</u></td> </tr> <tr> <td colspan="2">JOB <u>RH-CM-8205</u></td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td>☐ ORIGINAL</td> <td></td> </tr> <tr> <td>☐ RESURVEY</td> <td></td> </tr> <tr> <td>☐ REVISED</td> <td></td> </tr> <tr> <td>JOB</td> <td>PH.</td> </tr> <tr> <td colspan="2">MAP CLASS</td> </tr> <tr> <td colspan="2">SURVEY DATES:</td> </tr> <tr> <td colspan="2">19__ TO 19__</td> </tr> </table>		SURVEY <u>TP-01173</u>		MAP EDITION NO. (1)		MAP CLASS <u>III Final</u>		JOB <u>RH-CM-8205</u>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		☐ ORIGINAL		☐ RESURVEY		☐ REVISED		JOB	PH.	MAP CLASS		SURVEY DATES:		19__ TO 19__	
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19__ TO 19__																													
I. INSTRUCTIONS DATED																													
1. OFFICE		2. FIELD																											
Aerotriangulation February 15, 1984 Office October 31, 1984		Control May 24, 1983																											
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 Traverse Mercator Projection		4. GRID(S) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>STATE</td> <td>ZONE</td> </tr> <tr> <td>New York</td> <td>Central</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE	ZONE	New York	Central	STATE	ZONE																				
STATE	ZONE																												
New York	Central																												
STATE	ZONE																												
5. SCALE 1:20,000		STATE ZONE																											
III. HISTORY OF OFFICE OPERATIONS																													
OPERATIONS		NAME	DATE																										
1. AEROTRIANGULATION METHOD: <u>Analytical</u> LANDMARKS AND AIDS BY		<u>L. Harrod</u>	<u>July 1984</u>																										
2. CONTROL AND BRIDGE POINTS METHOD: <u>Calcomp 718</u> PLOTTED BY		<u>D. Norman</u>	<u>July 1984</u>																										
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:20,000</u>		<u>L. Harrod</u> <u>D. Norman</u> <u>P.L. Evans, Jr.</u> <u>F. Mauldin</u> <u>N.A.</u> <u>N.A.</u>	<u>July 1984</u> <u>July 1984</u> <u>July 1984</u> <u>Oct. 1984</u> <u>Oct. 1984</u>																										
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth drafted</u> SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY		<u>P.L. Evans, Jr.</u> <u>F. Mauldin</u> <u>N.A.</u> <u>N.A.</u> <u>N.A.</u> <u>N.A.</u>	<u>Nov. 1984</u> <u>Nov. 1984</u> 																										
5. OFFICE INSPECTION PRIOR TO FINAL <u>Final Review</u>		<u>F. Mauldin</u>	<u>Nov. 1984</u>																										
6. APPLICATION OF FIELD EDIT DATA		<u>N.A.</u> <u>N.A.</u>	 																										
7. COMPILATION SECTION REVIEW <u>Class III</u>		<u>F. Mauldin</u>	<u>Nov. 1984</u>																										
8. FINAL REVIEW <u>Class III</u>		<u>L. O. Neterer, Jr.</u>	<u>Jan. 1985</u>																										
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		<u>L. O. Neterer, Jr.</u>	<u>Feb. 1985</u>																										
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		<u>J. Schad</u>	<u>March 1985</u>																										
11. MAP REGISTERED - COASTAL SURVEY SECTION		<u>R. Kornspan</u>	<u>April 1985</u>																										

TP-01173
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild RC-10(B) (B=152.74 mm)

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☐ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
(P) PANCHROMATIC
(I) INFRARED

ZONE

Eastern

☒ STANDARD

MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	WATER DEPTH
82B(C)9355-9558	Oct. 24, 1982	09:45	1:50,000	243.9 ft.

REMARKS

Water levels at the time of photography are indicated as they were recorded from the Cape Vincent, New York gage.

2. SOURCE OF MEAN HIGH WATER LINE: Shoreline

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 color compilation/bridging photographs.

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
TP-01172	TP-01175	No survey	TP-01171

REMARKS

TP-01173

HISTORY OF FIELD OPERATIONS

OPERATION			NAME	DATE
1. CHIEF OF FIELD PARTY			R. Tibbetts	July 1983
2. HORIZONTAL CONTROL			RECOVERED BY R. Daniel	July 1983
ESTABLISHED BY N.A.				
PRE-MARKED OR IDENTIFIED BY R. Daniel				July 1983
3. VERTICAL CONTROL			RECOVERED BY N.A.	
ESTABLISHED BY N.A.				
PRE-MARKED OR IDENTIFIED BY N.A.				
4. LANDMARKS AND AIDS TO NAVIGATION			RECOVERED (Triangulation Stations) BY N.A.	
LOCATED (Field Methods) BY N.A.				
IDENTIFIED BY N.A.				
5. GEOGRAPHIC NAMES INVESTIGATION			TYPE OF INVESTIGATION	
			☐ COMPLETE	
			☐ SPECIFIC NAMES ONLY	
			☒ 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			2. VERTICAL CONTROL IDENTIFIED	
Photo-identified			None	
PHOTO NUMBER	STATION NAME		PHOTO NUMBER	STATION DESIGNATION
82B(C)9356	X SUB, (IBC), 1940			
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 ☒ NONE			6. 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 76-53 CSI Card		3-Forms 76-52		Covers entire project
1-Form 76-86		3-Forms 76-156		
1-Form 76-19				
1-Form 75-82A				

TP-01173
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Nov. 1984	Class III Manuscript		
No field edit was performed prior to Final Review		Final Class III Map	March 1985	March 1985

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (Pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		March 1985	Landmarks for charting
4		March 1985	Aids for charting

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

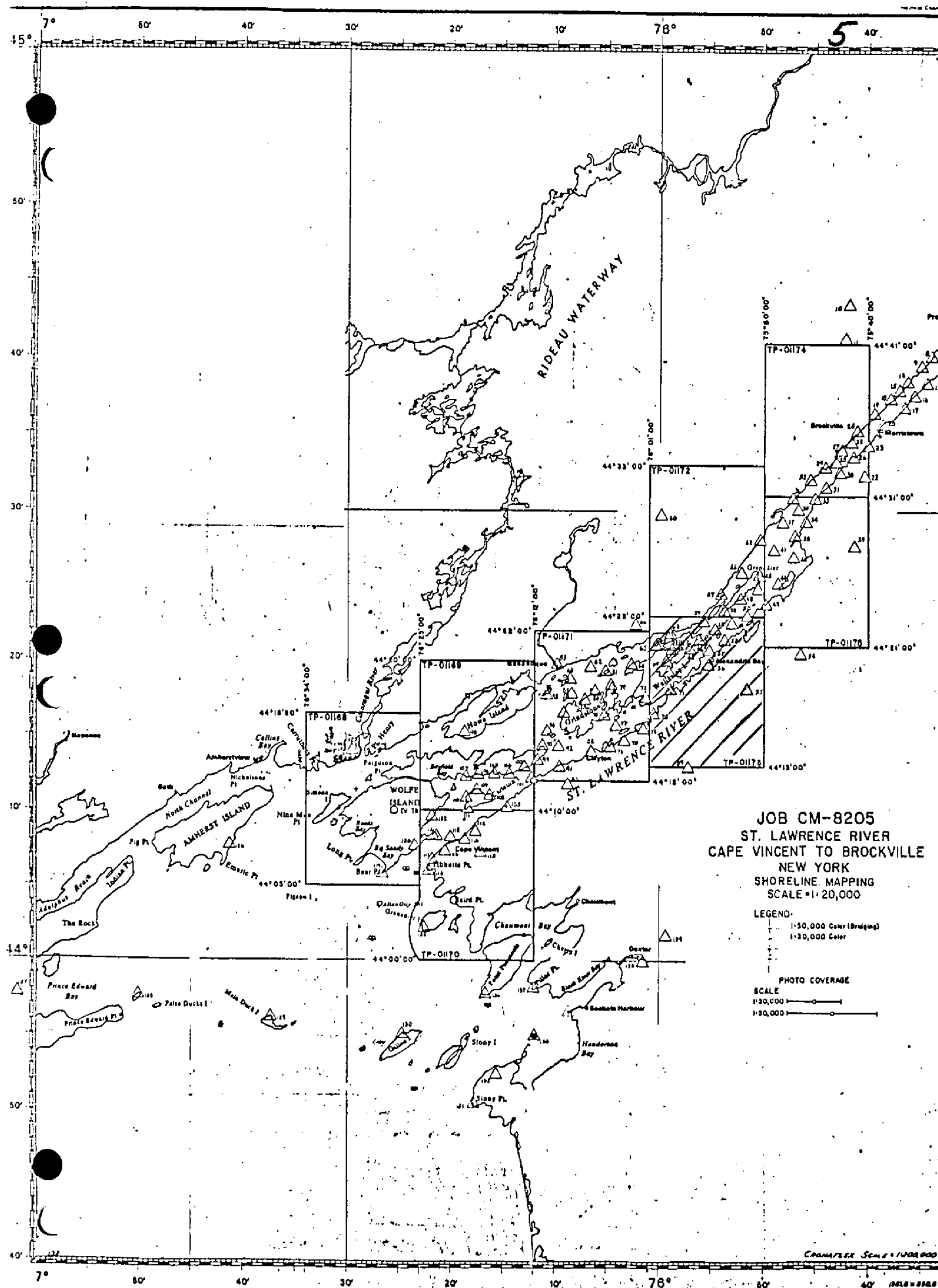
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 ~~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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01173

This 1:20, 000 scale shoreline map is one of eight maps of project CM-8205 St. Lawrence River, Cape Vincent to Brockville, New York.

This project encompasses both the Canadian and United States sides of the St. Lawrence River, from Kingston, Ontario longitude $76^{\circ}34'00''$ east to Brockville, Ontario longitude $75^{\circ}40'00''$.

Photographic coverage was provided in October 1982 for aerotriangulation and compilation with the "B" camera (focal length 152.74 mm) at 1:50,000 and 1:30,000 scale. The 1:30,000 scale photography was not provided.

Field work prior to compilation accomplished in July 1983 involved the identification of horizontal control by photo-identification techniques to meet aerotriangulation requirements.

Analytic aerotriangulation was performed at the Washington Science Center in July 1984.

Compilation was performed at the Atlantic Marine Center from office interpretation of the 1982 color photography in November 1984.

No international boundary line was compiled on this map.

Final review was performed at the Atlantic Marine Center in January 1985. This map is to be registered as a Final Class III map.

This descriptive report is comprised of all information pertinent to the construction of this map.

The original base manuscript and all relevant data was forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-01173

There was no complete field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project, and a cursory shoreline inspection.

PHOTOGRAMMETRIC PLOT REPORT
CM-8205
ST. LAWRENCE RIVER, NEW YORK

JULY 23, 1984

21. AREA COVERED

The area covered by this report is in the vicinity of the St. Lawrence River from Cape Vincent eastward to Brockville, New York. It is covered by eight 1:20,000-scale manuscripts, TP-01168-TP-01175.

22. METHOD

Four strips of 1:50,000-scale photography were bridged by analytic aero-triangulation methods. Original negatives were used in lieu of film positives. Strip 50-4 was adjusted to ground on the New York State Plane Coordinate System, New York Central Zone, using our Analytic Strip Adjustment program. Strips 50-1, 50-2, and 50-3 were adjusted by means of the block adjustment method. Photoidentified horizontal control stations were provided. Aids and landmarks were located on bridging photographs. Ratio values were determined for the 1:50,000-scale bridging photographs. Ruling of manuscripts and plotting of points were done on the Calcomp 718 plotter.

23. ADEQUACY OF CONTROL

The horizontal control provided was adequate but sparse. Tie points were used to supplement photoidentified control. The project will meet National Standards of Map Accuracy. There seemed to be several discrepancies involving station names. It seems that some of the names differ slightly between our key index on our project diagram and the report from the I.B.C. (International Boundary Commission). We decided to key our Descriptive Report Control Record (Form 76-41) to the I.B.C. report No. 5.

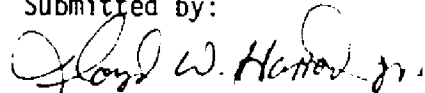
24. SUPPLEMENTAL DATA

Vertical control was taken from USGS quads.

25. PHOTOGRAPHY

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

Submitted by:



Lloyd W. Harrod, Jr.

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Unit

ST. LAWRENCE RIVER, NEW YORK
CM-8205

FIT TO CONTROL - X AND Y IN FEET

BLOCK ADJUSTMENT - STRIPS 1, 2, AND 3

		<u>X</u>	<u>Y</u>
1	150 (IWC) (Morristown Point-U.S.L.S.) New York 1873		
	Sub Pt. 2 (438101)	-1.1	-0.1
	Sub Pt. 1 (438102)	1.2	1.8
	Bay State Shoal, Light New York, 1940		
	(442142)	0.6	-0.4
2	Reference Monument 60, New York 1911		
	Sub Pt. 1 (442101)	1.8	4.5
	Sub Pt. 2 (442102)	-0.6	3.4
	Bridge Island, Light Ontario 1940 (443151)	3.5	-0.3
4	Shak Fr. Lt. (385100)	-2.1	-5.7
	(385101)	-1.7	-7.2
5	Nine Mile Point Light (457100)	-1.1	5.4
	(457101)	1.8	5.1
	(457102)	-3.9	7.5
	Sister Island Light New York 1940 (354141)	2.4	-3.1
	Sunken Rock Light U.S.L.S. New York 1933		
	(356155)	2.1	-7.9
	Sunken Rock Shoal Light U.S.L.S.		
	New York 1933 (356154)	-8.1	-6.8
3	X Sub New York 1940 Sub Pt. 1 (357101)	-1.0	-4.7
	Sub Pt. 2 (357102)	-3.3	-4.4
	Lindoe Island Light Ontario 1940 (357155)	-13.0	7.2
	Clayton Municipal Standpipe, 1942 (360142)	-0.8	-6.3
	Bartlett Point Light (U.S.L.S.)		
	New York 1933 (360151)	3.7	-4.1
	Wolf Island Light, Ontario 1940 (361151)	-1.2	-6.7
6	Tibbetts Point Lighthouse (U.S.L.S.)		
	New York 1872 (377100)	0.3	-4.8
	(377101)	- .3	1.3
	(377102)	-1.0	-2.1

STRIP 4

Strip Adjustment

			<u>X</u>	<u>Y</u>
▲ 7	Marskell, 1983	Sub Pt. 2 (465101)	-0.6	-0.04
		Sub Pt. 1 (465102)	1.0	-0.7
▲ 8	Mort, 1983	Sub Pt. 1 (373101)	-0.9	0.6
		Sub Pt. 2 (373102)	-4.0	1.8
▲ 9	Dexter 2, 1946	Sub Pt. 1 (469101)	-0.2	1.3
		Sub Pt. 2 (469102)	0.2	-0.2
▲	Tie	(463801)	-0.4	0.3
	Tie	(463802)	-1.7	3.2
	Tie	(463803)	-2.5	2.1

▲ Stations held in the Strip Adjustments

//

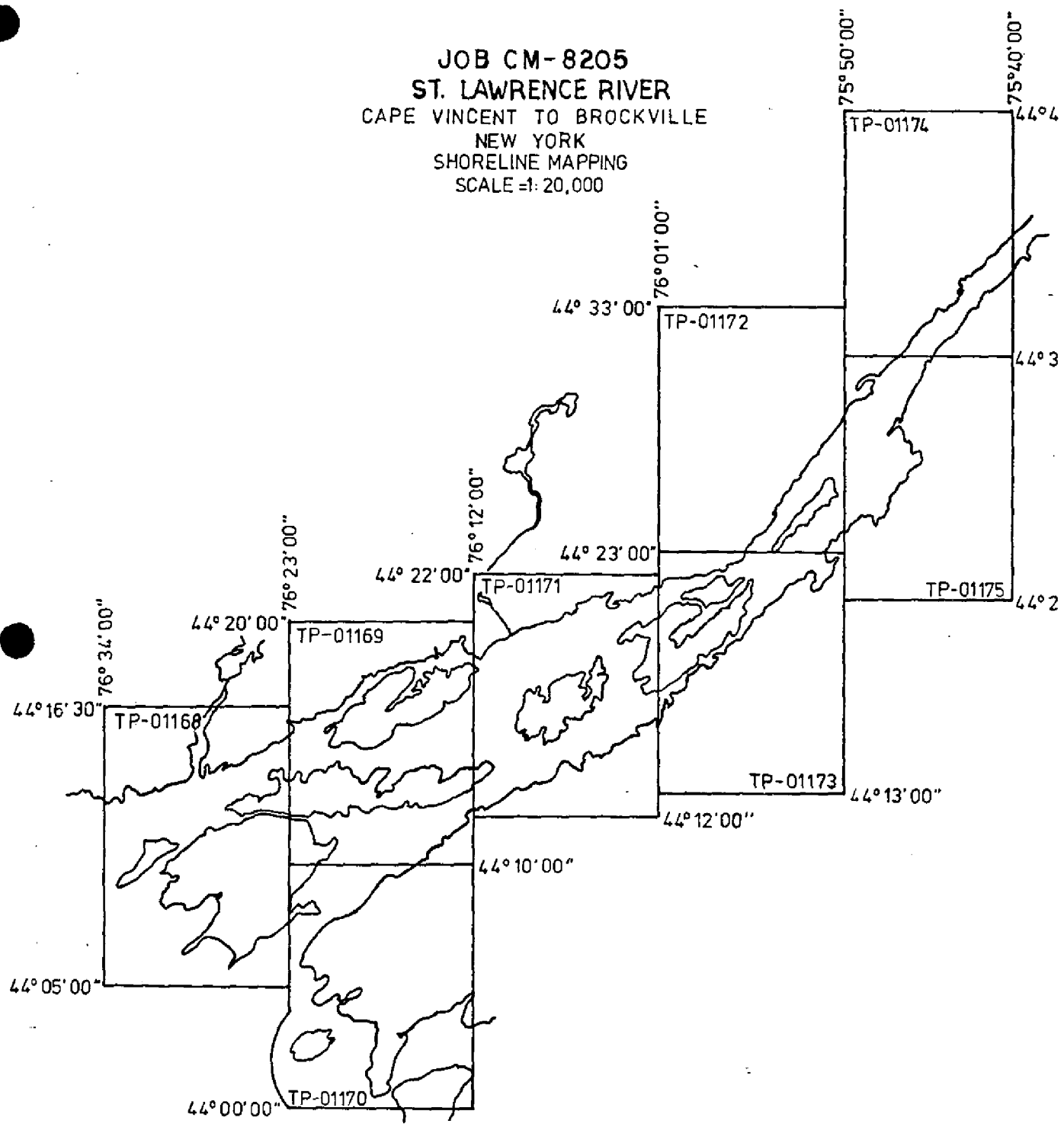
ST. LAWRENCE RIVER, NEW YORK
CM-8205

July 1984

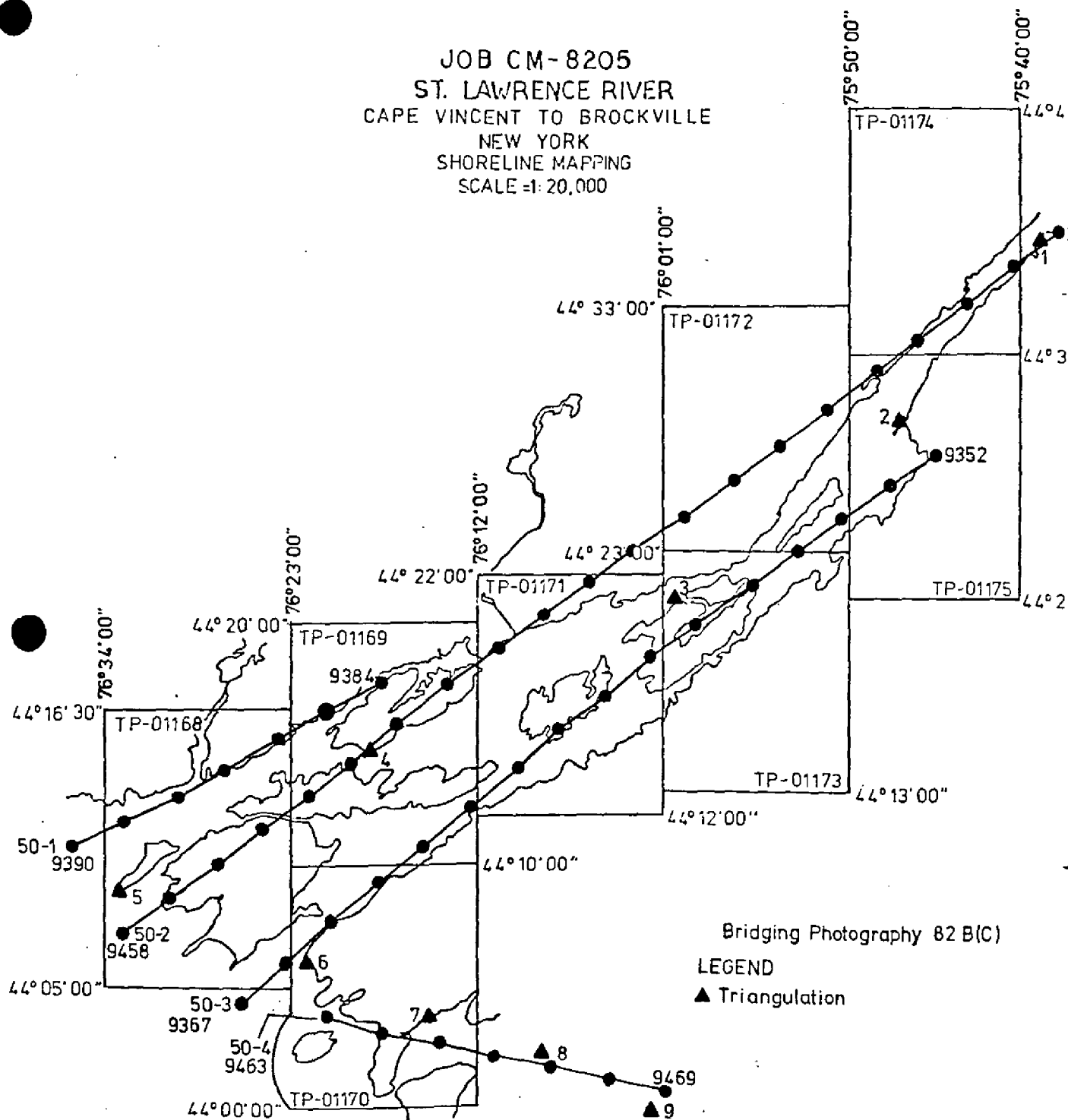
Ratio values for 1:50,000-scale color bridging photography.

82-B(C) 9438-9458	X2.51
9352-9367	X2.51
9384-9390	X2.52
9463-9469	X2.52

JOB CM-8205
 ST. LAWRENCE RIVER
 CAPE VINCENT TO BROCKVILLE
 NEW YORK
 SHORELINE MAPPING
 SCALE = 1: 20,000



JOB CM-8205
ST. LAWRENCE RIVER
CAPE VINCENT TO BROCKVILLE
NEW YORK
SHORELINE MAPPING
SCALE = 1: 20,000



COMPILATION REPORT
TP-01173

31- DELINEATION

Stereo instrument compilation methods were used to delineate shoreline, alongshore, and interior detail based on interpretation of the 1:50,000 scale bridging/compilation color photographs.

All photographs used to compile the map are listed on Form 76-36B. The compilation photography was adequate.

32- CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated July 23, 1984.

33- SUPPLEMENTAL DATA

None

34- CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled by interpretation of the photographs.

35- SHORELINE AND ALONGSHORE DETAIL

The shoreline and alongshore details were compiled from office interpretation of the compilation color 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 243.9 feet.

36- OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in Item #31. No unusual problems were encountered.

37- LANDMARKS AND AIDS

Appropriate 76-40 forms are submitted with this report.

38- CONTROL FOR FUTURE SURVEYS

None

TP-01173

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 U.S. Geological Survey Quadrangles and Canadian Department of Energy Mines, and Resources Quadrangles:

Thousand Island Park, NY, scale 1:24,000, dated 1958

Alexandria Bay, NY, scale 1:24,000, dated 1958, photo revised 1982.

Redwood, NY, scale 1:24,000, dated 1958

Chippewa Bay, NY, scale 1:24,000, dated 1958

Raft Narrow, US--Canada, scale 1:25,000 date 1977, edition 2 (31B/5d)

Halsteads Bay, US--Canada, scale 1:25,000 dated 1977, edition 2 (31C/8a)

Escott, US--Canada, scale 1:25,000, dated 1976, edition 2 (31B/5e)

47- COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts and Canadian Hydrographic Service Charts:

14772, scale 1:15,000, 13th edition, dated July 31, 1982.

14773, scale 1:15,000, 13th edition, dated August 7, 1982

14800, scale 1:400,000, 26th edition, dated May 12, 1984

14500, scale 1:500,000, 23rd edition, dated July 17, 1982

1419, scale 1:25,000, 42nd edition, dated October 19, 1984.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

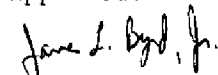


P. L. Evans, Jr.

Cartographic Technician

November 7, 1984

Approved:



James L. Byrd, Jr.

Chief, Coastal Mapping Unit

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01173

FTM

Alexandria Bay (locality)
American Narrows
Anthony Point
Arcadia Island
Ash Island
Ball Island
Barnett Marsh
Beaulieu Island
Bella Vista
Belle Island
Bensons Rift
Bingham Island
Birch Island
Blacksnake Passage
Blind Bay
Bratt Island
Brown Bay
Bucks Bay
Butts Island
Canadian Middle Channel
Canary Island
Caprice Island
Carnegie Bay
Carnegie Island
Cedar Island
Cherry Island
Cleopatra Island
Club Island
Collins Landing
Comfort Island
Constance Island
Cranberry Creek
Cuba Island
Deer Island
Densmore Bay
Densmore Bay (locality)
Devils Oven Island
Dewey Island
Diamond Island
Dingman Point
Doctor Island
Douglas Island
Crow Island FTM

East Mary Island
Edgewood Park (locality)
Excelsior Group
Fairyland Island
Fern Island
Fiddlers Elbow
Fineview
Fishdam Island
Fishers Landing
Florence Island
Flying Mallard Islands
Frederick Island
Ganawaga Island
Georgina Island
Goose Bay
Goose Bay (locality)
Grass Point
Grenadier Island
Gypsy Island
Haguenot Island
Harbor Island
Heart Island
Hill Island
Himes Island
Hollands Point
Hub Island
Huckleberry Island (1)
Huckleberry Island (2)
Idlewild Island
Imperial Isle
Ina Island
International Rift
Iroquis Point
Island Number 9
Isle of Pines
Ivy Bay
Ivy Lea
Ivy Lea Park (locality)
Keewaydin Point FTM
Kipp Island
Kring Point
Ivy Island FTM

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01173 - FTM

Lake of the Isles
Little Birch Island
Little Delight Island
Little Grenadier Island
Little Lehigh Island
Lone Pine Island
Longue Vue Island
Lotus Island
Lovers Lane
Lyndoch Island
Madawaska Island
Mandolin Island
Manhattan Group
Manhattan Island
Maple Island
Marsh Island
Mary Island
Moore Landing
Morgan Island
Mullet Creek
Mullet Creek Bay
Myers Island
Needle Island
Needles Eye
New York
Nidderly Islands
Nobby Island
Ontario
Orient Island
Otis Island
Otter Point
Palm Island
Picnic Island
Pike Island
Pine Island
Point Marquerite
Point Vivian
Pullman Island
Pumpkin Island

Rabbit Island
Raft Narrows
Reciprocity Island
Redstone Isle
Reed Point
Resort Island
Retreat Island
Reville Island
Rob Roy Island
Rockport
Rylstone Island
St. Elmo Island
St. Helena Island
St. Lawrence Park
St. Lawrence River
Schöonen Island
Seven Islands
Sherbrooke Islands
Smugglers Cove
Sport Island
Steamboat Island
Stoney Crest Island
Summerland Group
Summerland Island
Sunnyside Island
Surveyor Island
Susan Island
Swan Bay
Swiftwater Point
Tar Island
Thousand Islands
Thousand Islands Bridge (cultural). FT
Vanderbilt Island
Virgin Island
Wallace Island
Watch Island
Wauwinet Island
Welcome Island FTM
Wellesley Island

GEOGRAPHIC NAMES

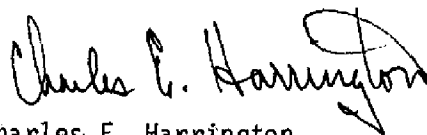
FINAL NAME SHEET

CM-8205 (St. Lawrence River, New York)

TP-01173 FTM

Westminister Park (locality)
Weston Island
Whirlpool Island
Whiskey Island
Wintergreen Island
Wood Island
Yeo Island
Zavikon Island

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT TP-01173

SHORELINE

61 GENERAL STATEMENT

See Summary included with this report.

62 COMPARISON WITH REGISTREED TOPOGRAPHIC SURVEYS

Not applicable.

63 COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S. Geological Survey Quadrangles: Thousand Island Park, New York; Chippewa Bay, New York, Redwood, New York; all three dated 1958, Alexandria Bay, New York dated 1958 photo-revised 1982; all four are 1:24,000 scale.

A comparison was also made with the Canadian Department of Energy, Mines and Resources Quadrangles: Escott, 31B/5e, edition 2, Canada-United States; Mallorytown Landing, 31b/5f, edition 2, Canada-United States, both dated 1976, Halstead Bay, 31/C8a, edition 2, Canada-United States; Raft Narrows, 31B/5d, edition 2, Canada-United States; both dated 1977. All four are 1:25,000 scale.

64 COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys within the limits of this map.

65 COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 14772, 13th edition, dated July 31, 1982, scale 1:15,000; 14773, 13th edition, dated August 7, 1982, scale 1:15,000; 14800, 26th edition, dated May 12, 1984, scale 1:400,000 and 14500, 23rd edition, dated July 17, 1982, scale 1:500,000.

A comparison was made with the following Canadian Hydrographic Service Chart: 1529, 42nd edition, dated October 19, 1984, 1:25,000 scale.

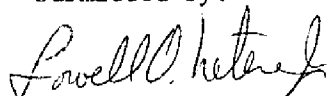
66 ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

REVIEW REPORT

TP-01173

Submitted by:

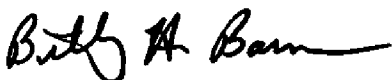


Lowell O. Neterer, Jr.

Final Reviewer

January 28, 1985

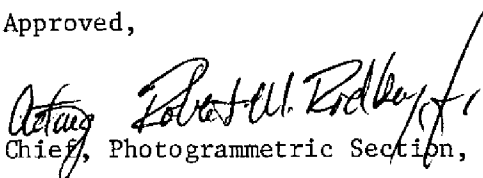
Approved for forwarding,



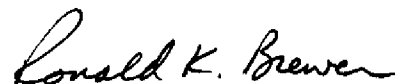
Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,



Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch,
Rockville

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
NONFLOATING AIDS OR LANDMARKS FOR CHARTS				LOCALITY				DATE			
REPORTING UNIT (If field party, ship or office) Coastal Mapping Unit AMC, Norfolk, VA				STATE New York				St. Lawrence River			
TO BE CHARTED ☒ TO BE REVISED ☐ TO BE DELETED				HAVE ☐ HAVE NOT ☒				been inspected from seaward to determine their value as landmarks.			
OPR PROJECT NO.				JOB NUMBER				SURVEY NUMBER			
CM-8205				TP-01173				N.A. 1927			
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		LONGITUDE		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
		° /	'	° /	'	D.M. Meters	D.P. Meters	OFFICE	FIELD		
* LIGHT	St. Lawrence Seaway Light 214	44	17	00.57	✓	76	00	✓	82B(C)9359	10-24-82	14773
* LIGHT	St. Lawrence Seaway Light 213	44	16	56.69	✓	76	00	✓	82B(C)9359	10-24-82	14773
LIGHT	Fisher Landing Light	44	16	43.18	✓	76	00	✓	82B(C)9359	10-24-82	14773
* LIGHT	St. Lawrence Seaway Light 210	44	17	40.98	✓	75	59	✓	82B(C)9358	10-24-82	14773
* LIGHT	St. Lawrence Seaway Light 209	44	17	56.55	✓	75	59	✓	82B(C)9358	10-24-82	14773
* LIGHT	St. Lawrence Seaway Light 207	44	18	13.32	✓	75	58	✓	82B(C)9357	10-24-82	14773
* LIGHT	St. Lawrence Seaway Light 206	44	18	35.85	✓	75	58	✓	82B(C)9357	10-24-82	14773
LIGHT	Point Vivian Leading Light	44	19	10.88	✓	75	56	✓	82B(C)9357	10-24-82	14772
LIGHT	St. Lawrence Seaway Light 200	44	19	26.08	✓	75	56	✓	82B(C)9357	10-24-82	14772
LIGHT	St. Lawrence Seaway Light 199	44	19	25.80	✓	75	56	✓	82B(C)9357	10-24-82	14772

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	P. L. Evans, Jr.
☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETTIC PARTY ☐ OTHER (Specify)	
FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE ☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
OFFICE 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 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 1. 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 5 - Field identified 6 - Theodolite 7 - Planetable 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.	11. TRIANGULATION STATION RECOVERED When a triangulation station is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 111. 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.

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 367.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

REPORTING UNIT
(If field party, ship or office)
Coastal Mapping Unit
AMC, Norfolk, VA

STATE
New York

LOCALITY
St. Lawrence River

DATE
10/84

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)

OPR PROJECT NO.

THE following objects HAVE ☐ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

JOB NUMBER CM-8205 **SURVEY NUMBER** TP-01173

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION			METHOD AND DATE OF LOCATION (See instructions on reverse side)			CHARTS AFFECTED
		LATITUDE		LONGITUDE	OFFICE	FIELD		
		° /	′					
* LIGHT	St. Lawrence Seaway Light 194	44.20	✓ 04.20	✓ 75 55	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 192	44 20	✓ 27.32	✓ 75 55	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 191 (SUNKEN ROCK SHOAL, LIGHT (USLS), 1933)	44 20	✓ 33.103	✓ 75 55	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 189 (SUNKEN ROCK, LIGHT (USLS), 1933)	44 20	✓ 44.626	✓ 75 54	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 187	44 21	✓ 25.146	✓ 75 54	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 186	44 21	✓ 37.13	✓ 75 54	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 183	44 22	✓ 20.79	✓ 75 53	82B(C)9356 10-24-82		14772	
* LIGHT	St. Lawrence Seaway Light 182	44 22	✓ 54.52	✓ 75 52	82B(C)9356 10-24-82		14772	
# LIGHT	Grenadier Island Light	44 22	✓ 58.15	✓ 75 54	82B(C)9356 10-24-82		14772	
# LIGHT	Tar Island Light	44 22	✓ 46.10	✓ 75 55	82B(C)9356 10-24-82		14772	

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	P. L. Evans, Jr.
☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify) FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE ☐ REVIEWER ☐ 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 L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 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.	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.

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 367.

NONFLOATING AIDS OR ~~XXXX~~LANDMARKS FOR CHARTS

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

ORIGINATING ACTIVITY

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

REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Unit	STATE New York	LOCALITY St. Lawrence River	DATE 10/84
The following objects HAVE ☐ XXXX BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS. OPR PROJECT NO. _____ SURVEY NUMBER TP-01173			

OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)				CHARTS AFFECTED	
The following objects HAVE		HAVE NOT		been inspected from seaward to determine their value as landmarks.									
CM-8205		TP-01173											
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		POSITION		LONGITUDE		OFFICE	FIELD				
		° /	D.M. Meters	° /	D.P. Meters	° /	D.P. Meters						
LIGHT	*# Club Island Light	44 22 ✓	20.65 ✓	75 56 ✓	21.26 ✓	82B(C) 9356 10-24-82						14772	
LIGHT	# Wood Island Light	44 21 ✓	35.64 ✓	75 59 ✓	32.20 ✓	82B(C) 9357 10-24-82						14772	
LIGHT	# Fiddlers Elbow Light	44 21 ✓	20.41 ✓	75 59 ✓	58.69 ✓	82B(C) 9357 10-24-82						14772	
LIGHT	# Lyndoch Island Light (LINDOE ISLAND LIGHT; (IBC), 1940)	44 20 ✓	59.556 ✓	76 00 ✓	15.405 ✓	82B(C) 9357 10-24-82						14772	
LIGHT	*# Myers Island Light	44 20 ✓	54.02 ✓	76 00 ✓	37.53 ✓	82B(C) 9357 10-24-82						14773	
	*Aerotriangulation position. #Found in Canadian Light List.												

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	P. L. Evans, Jr.
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	
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 L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 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.	
ORIGINATOR ☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify) FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE ☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	

[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	P. L. Evans, Jr.														
ORIGINATOR ☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify) FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE ☐ REVIEWER ☐ 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) 8. 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 11. 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. 8-12-75 111. 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 I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: <table border="0"> <tr> <td>F - Field</td> <td>P - Photogrammetric</td> </tr> <tr> <td>L - Located</td> <td>Vis - Visually</td> </tr> <tr> <td>V - Verified</td> <td></td> </tr> <tr> <td>1 - Triangulation</td> <td>5 - Field identified</td> </tr> <tr> <td>2 - Traverse</td> <td>6 - Theodolite</td> </tr> <tr> <td>3 - Intersection</td> <td>7 - Planetable</td> </tr> <tr> <td>4 - Resection</td> <td>8 - Sextant</td> </tr> </table> 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.	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	
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														

