



EASTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

900 to 976

CONTENTS

	Page
SEC. I Safety and General Information	1-8
SEC. II Chart Corrections	9-40
SEC. III Radio Aids to Marine Navigation Corrections.....	NIL
SEC. IV Sailing Directions and Small Craft Guide Corrections.....	41-61
SEC. V Light List Corrections	63-79

Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

Internet: <http://www.notmar.com>

NOTICE TO USERS

NEW NUMBERING SYSTEM FOR THE MONTHLY EDITION

Beginning with Edition 1 of 1998, the monthly editions of Notices to Mariners will now be numbered in blocks of 199. As an example, Edition 1 will be numbered from 100 to 299, Edition 2 from 300 to 499, etc. This administrative measure is necessary in order to allow our Information Section to publish any last minute Notices. Please note, that all numbers will not necessary be used.

EXPLANATORY NOTES

Geographical positions refer directly to the graduations of the largest scale Canadian Hydrographic chart unless otherwise indicated.

Bearings refer to the true compass and are measured clockwise from 000° (North) clockwise to 359°; those relating to lights are from seaward.

Visibility of lights is that in clear weather.

Depths - The units used for soundings (metres, fathoms or feet) are stated in the title of each chart.

Elevations are normally given above Higher High Water, Large Tides unless otherwise indicated.

Original Canadian Information - A star (*) adjacent to the Notice number indicates that this notice is based on original Canadian information.

Distances may be calculated as follows:

1 nautical mile	= 1 852 metres (6,076.1 feet)
1 statute mile	= 1 609.3 metres (5,280 feet)
1 metre	= 3.28 feet

Temporary & Preliminary Notices are indicated by a (T) or a (P) after the Notice number. Nautical charts and publications are not hand amended for Temporary (T) and Preliminary (P) Notices to Mariners. Listings of Charts Affected by Temporary and Preliminary Notices to Mariners are revised and promulgated quarterly, in Section I. Reference should be made to the latest published listing and to the monthly editions of Notices to Mariners published subsequently.

Please note that, in addition to the temporary and preliminary changes normally advertised as (T) and (P) Notices, there are a significant number of permanent changes to navigational aids that have been advertised as Preliminary Notices to Mariners while charts are being updated for new editions.

Marine Information Report & Suggestion Sheet - Mariners are requested to notify the responsible authorities when new or suspected dangers to navigation are discovered, changes observed in aids to navigation or corrections to publications are seen to be necessary. Such communications can be made using the *Marine Information Report & Suggestion Sheet* inserted on the last page of each monthly edition of *Notices to Mariners*.

Monthly edition of Notices to Mariners - *Notices to Mariners* are issued free of charge on a monthly basis. Mariners now have a choice between specific *Regional* issue(s) they wish to receive. Requests to be placed on or removed from the mailing list should be made by using the form inserted on page *xiv* of each monthly edition. Notification of changes to the mailing addresses, regional issues and/or number of copies required should also be transmitted by means of this form.

Canadian Nautical Charts & Publications - A source list of *Canadian Nautical Charts & publications* is published in *Notice No. 14* of the current *Annual Edition of Notices to Mariners*. The source supply and the prices effective at the time of printing are listed. This list is periodically updated in the monthly edition of *Notices to Mariners*.

NOTE: Cette publication est aussi disponible en français.

DGPS INITIAL OPERATIONAL SERVICE

The Canadian Coast Guard (CCG) announces that the Differential Global Positioning Service (DGPS) Initial Operational Service (IOS) is available for positioning and navigation.

IOS means the service will provide a DGPS broadcast using the type 9 RTCM message for pseudorange corrections at a data transmission rate of 200 baud. Refer to Radio Aids to Marine Navigation (RAMN) for estimated advertised coverage for each differential station.

Although the service is IOS, users may experience service interruptions without advance notice. Further, CCG advises that IOS DGPS broadcasts should not be used under any circumstances where a sudden system failure or inaccuracy could constitute a safety hazard. Following a one year verification period, the DGPS service will be declared as being a Full Operational Service (FOS).

Users are also advised that differential corrections are based on the NAD 83 datum position of the reference station antenna and positions obtained using DGPS should be referenced to this coordinate system only. DGPS receivers must be set to the WGS 84 datum in order to obtain optimum positioning accuracy.

Table of Stage 1 DGPS Reference Stations					
Station Name	Id Nos of Ref. Stations	DGPS Station ID	Geogr. Pos. Latitude Longitude	Frequency [khz]	Bits/sec.
Alert Bay BC	300,301	909	50 35 N 126 55 W	309	200
Amphitrite Pt BC	302,303	908	48 55 N 125 32 W	315	200
Cardinal ON	308,309	919	44 47 N 75 25 W	306	200
St. Jean Richelieu QUÉ	312,313	929	45 19 N 73 18 W	296	200
Lauzon QUÉ	316,317	927	46 48 N 71 09 W	309	200
Partridge Island NB	326,327	939	45 14 N 66 03 W	295	200
Pt. Escuminac NB	332,333	936	47 04 N 64 47 W	319	200
Fox Island NS	336,337	934	45 19 N 61 04 W	307	200
Cape Race NFLD	338,339	940	46 39 N 53 04 W	315	200
Cape Ray NFLD	340,341	942	47 34 N 59 09 W	290	200

DGPS USER ALERT

Currently, ten Phase 1 DGPS stations are providing Initial Operational Service (IOS) which was declared by Regional Notices to Mariners issued in September 1996. Another eight DGPS stations will be installed in 1997. Extensive validation of operational performance is being conducted throughout 1997. Full Operational Service (FOS) will follow after successful validation.

The Canadian Coast Guard has recently received reports of DGPS receivers apparently ignoring the broadcast alarm which should signal the immediate discontinuation of a particular satellite correction. Reports indicate that some user equipment does not properly recognize this "do-not-use" correction flag and as a result erroneously processes it as a correction. This can result in position errors as large as 15 kilometers while the receiver is in DGPS mode. DGPS users are advised that they should contact the manufacturer of their equipment immediately to determine if they require a receiver upgrade.

Apart from this, no major difficulties with DGPS implementation have been experienced to date nor are any expected in the future.

DISCREPANCY REPORT FOR DGPS USERS.

The Canadian Coast Guard is currently implementing the Differential Global Positioning System in Canada. In August 1996, 10 DGPS stations were announced as providing an Initial Operational Service (IOS). Eight (8) additional DGPS stations will be implemented in the fall of 1997.

Following a service validation period, it is expected that the DGPS service will be announced as providing a Full Operational Service (FOS) in December 1997. The fully operational DGPS service is expected to meet the advertised Levels of Service standards and all service guarantees will be provided with FOS.

Throughout the service validation period, the Coast Guard will be conducting numerous tests of the differential service. To assist the Coast Guard in this validation testing, mariners are requested to complete the attached anomaly report. Please take note of any DGPS service anomalies you experience and forward the completed form to the Director Marine Aids, 344 Slater Street, 6th floor, Ottawa, Ontario, K1A 0E6.

PAGE

DGPS station anomaly report / Rapport d'anomalie des stations DGPS

With the purpose of constantly evaluating the quality of the DGPS service offered, the Canadian Coast Guard is providing the mariner with the following anomaly report. This report will allow us to get well-supported information concerning the anomaly and thus, will facilitate the identification of the origin of the problem. Please fill accordingly each section of this report and forward it by the suggested ways. You will find a legend at the end of this document.

Avec le souci d'évaluer constamment la qualité du service DGPS offert, la Garde côtière met à la disposition du navigateur le présent rapport d'anomalie. Ce rapport servira à bien documenter l'anomalie et, de ce fait, facilitera l'identification ou la recherche de la source du problème. Nous vous prions de bien remplir chaque section de ce rapport et de l'acheminer de la façon suggérée. Vous trouverez une légende à la fin de ce document.

User informations / Renseignements sur l'utilisateur

Vessel name / Nom du navire: _____ Destination: _____
 Vessel position at the beginning of the anomaly /
 Position du navire au début de l'anomalie : _____
 Vessel position at the end of the anomaly /
 Position du navire à la fin de l'anomalie : _____

Anomaly report / Rapport d'anomalie

Date and time of the anomaly / Date et heure de l'anomalie: _____ Duration / Durée: _____
 Number of satellites tracked on GPS receiver / Nombre de satellites reçu par le récepteur: _____
 DGPS site using / Station DGPS utilisée: Freq.: _____ kHz SS: _____ dB SNR: _____ dB
 DOP Geometry / Géométrie DOP : _____
 User receiver operates correctly with other DGPS sites? /
 Votre équipement DGPS fonctionne-t-il normalement à l'utilisation d'autres stations DGPS?: Yes/ Oui _____
 No / Non _____
 Comments / Commentaires: _____

Point of contact / Personne-ressource: Name/ Nom: _____
 Phone / Téléphone : _____

Weather conditions / Conditions météo

Winds / Vents : Direction: _____ Speed / Vitesse: _____ KTS
 Temp. °C: _____ VIS: _____ N.M.
 Sea State / État de la mer : _____
 Bearing and range to electrical storm /
 Direction et distance de l'orage : _____
 Time of the storm / Heure de l'orage: _____ UTC

Essential information on user equipment to fill / Renseignements indispensables sur l'équipement à remplir:**User equipment information / Renseignements sur l'équipement**

GPS receiver / Récepteur GPS: Make / Fabricant: _____ Model: _____
 DGPS beacon receiver / Démodulateur DGPS: Make / Fabricant : _____ Model: _____
 Gyro interface with GPS / Gyro intégré avec le GPS? Yes / Oui : _____ No / Non : _____
 DGPS interfaced with an ECDIS / DGPS intégré dans un SVCEI? Yes / Oui: _____ No / Non : _____
 If yes, please fill below / Si oui, S.V.P. compléter ci-dessous:

PAGE

ECDIS / SVCEI: Make / Fabricant: _____ Model: _____
 Radar image interfaced / Image radar intégrée?: Yes / Oui: _____ No / Non: _____
 Gyro interfaced with ECDIS / Gyro intégré avec SVCEI? Yes / Oui: _____ No / Non: _____
 Permanent installation or in evaluation / Installation permanente ou en évaluation: _____

This report can be sent the following ways / Ce rapport peut être acheminé selon les façons suivantes:

- 1) Fax / Par télécopieur : 613-998-2428 attention AWAD.
- 2) Mail / Par la poste: Director Marine Aids
344 Slater Street, 6 th floor
Ottawa, Ontario
K1A 0E6

Canada

Legend/ Légende

Position	:	Position can be provided by latitude, longitude, bearing and distance, location of a buoy, etc. La position peut être donnée en latitude, longitude, relèvement et distance, emplacement de bouée, etc.
KTS	:	Wind speed in knots / Vitesse du vent en noeuds.
N.M.	:	Visibility in Nautical Miles / Visibilité en milles nautiques.
Freq. kHz	:	Frequency in kilohertz / Fréquence en kilohertz .
SS	:	Signal strength in decibel / Force de signal en décibel.
SNR	:	Signal to noise ratio in decibel / Rapport signal-bruit en décibel .
DOP (dilution of precision):	:	Measure of the geometrical «strength» of the GPS satellite configuration. The DOP is measured on a scale of 1 to 10 / Mesure de la «force» géométrique de la configuration satellite. Le DOP est mesuré sur une échelle de 1 à 10
SVCEI / ECDIS	:	Electronic Chart Display and Information System / Système de Visualisation de Cartes Electroniques et d'Information .

IMPORTANT NOTICE TO USERS**The Canadian Coast Guard Marine Aids
Modernization Program**

- The Canadian Coast Guard is initiating an aids to navigation modernization program which takes advantage of modern technology and will result in a more equitable, safe, cost-effective and environmentally friendly service across Canada. Low maintenance buoys, solar power, the elimination of diesel power and the application of national provision and design standards, will be used to realize these objectives.
- In consultation with local users, aids to navigation which are redundant, exceed the national standards or should not be publicly funded, will be downsized, privatized or discontinued.
- Regional plans as well as detailed Notices to Shipping and Notices to Mariners will be issued and distributed in the usual manner in advance of all changes to aids to navigation. All users are encouraged to participate in local consultations and to monitor these Notices. It will be every user's responsibility to adapt to the changes and to take the appropriate measures.

1. Redundant Aids to Navigation

Many conventional aids to navigation were established for commercial mariners who now use radar. As a result these users no longer require as many landfall shore lights, large lighted buoys and fog signals and support their discontinuance.

However, before these commercially redundant marine aids are removed, the Coast Guard is assessing, where required, the local needs of small craft operators and redesigning the old commercial aids to meet these needs within national provision policies and design standards.

Coast Guard policy does not provide for the retention of fog horns for pleasure craft, due to the high cost to provide such a service across Canada. However, where practical and where there is local support, the existing redundant fog horns are being transferred to local authorities at no cost.

The conversion of lightstations to solar power allows major economic and environmental benefits by allowing removal of fuel tanks and diesel generators. Although this eliminates the need for many structures, the Coast Guard will protect all heritage lightstations through continued operation or transfer to provincial, municipal or other authorities for local use.

2. Aids to Navigation Standards

In consultation with local users, all aids to navigation systems across Canada are under review. National system design standards will be used to assess these systems. Systems that do not meet these standards will be upgraded; those systems that exceed them will be downsized.

Adjustments in some channels will result in an increase or a decrease in the number of buoys and/or the conversion of some lighted buoys to unlighted buoys displaying reflective material.

3. Private Aids to Navigation

Although Coast Guard policy does not provide for the establishment of aids to navigation in inadequately charted waters, or where the traffic volume does not justify the cost of the system, some have been established in the past. These aids to navigation will be transferred to local authorities at no cost, with Coast Guard retaining design and regulatory authority under the *Private Buoy Regulations*

NEW INITIATIVES

The Canadian Coast Guard is also introducing a new differential correction service to augment the satellite-based Global Positioning System (GPS), with 18 transmitting stations fully operational in 1998.

This Differential Global Positioning System (DGPS), will improve the accuracy and integrity of GPS and will enable mariners who are equipped with the appropriate receivers to identify their precise position in most major southern Canadian waters, including the Great Lakes and the St. Lawrence River.

The use of DGPS in conjunction with Electronic Chart Display and Information Systems (ECDIS), will greatly improve navigation accuracy. The expanding use of this new technology is expected to increase marine safety and thus provide greater environmental protection to Canadian waters. It is also believed that implementation of DGPS will allow further adjustment to conventional aids in the future.

All mariners and shipowners are encouraged to equip their vessels with GPS receivers which have the capability to receive the Differential signals, particularly where there is frequent risk of reduced visibility.

The Canadian Coast Guard believes that the availability of GPS, particularly when augmented by the Differential service, will make Loran C obsolete. Consultations are underway to assess the impact of discontinuing Loran C in Canada.

NEWFOUNDLAND REGION

The Canadian Coast Guard is planning to further modernize its marine aids to navigation service. Changes will include adjusting all service levels to national standards between 1997 and the year 2000 and reducing some conventional aids services based on the availability of the Global Positioning System, Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS). The new electronic systems will supplement the remaining conventional aids system, permitting continued maintenance of a safe service at lower cost.

More detailed information concerning each of these proposed changes will be provided in each region or geographic area by Notices to Shipping and Notices to Mariners, allowing users time to comment prior to finalizing planned changes. Further Notices to Shipping and Notices to Mariners will also be issued at the time of all changes.

Mariners and representatives of user groups wishing to provide comments or recommendations on this or any subsequent notice may write to:

Aids to Navigation Superintendent
Department of Fisheries & Oceans
Canadian Coast Guard Directorate
P.O. Box 5667
St. John's, NFLD.
A1C 5X1

MARITIMES REGION

The Canadian Coast Guard is planning to further modernize its marine aids to navigation service. Changes will include adjusting all service levels to national standards between 1997 and the year 2000 and reducing some conventional aids services based on the availability of the Global Positioning System, Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS). The new electronic systems will supplement the remaining conventional aids system, permitting continued maintenance of a safe service at lower cost.

IMPLEMENTATION OF THE FOLLOWING CHANGES WILL BEGIN WITHIN COAST GUARD MARITIMES REGION ON APRIL 1, 1997.

MEASURES
1) Privatization of aids systems in pleasure craft channels and/or conversion of some lighted buoys to unlighted buoys and removal of some aids in pleasure craft channels.
2) Privatization of aids systems in inadequately and uncharted waters and where there is a low volume of users.
3) Aids to navigation systems in Saint-John and Yarmouth Harbours will be restructured to meet national standards.
4) Decommissioning of some lightstations (major reference lights) and downsizing of others to minor lights.
5) Discontinuance of some fog horns.
6) Removal of some coastal fixed and floating aids.

Over the next year, more detailed information concerning each of these proposed changes will be provided in each region or geographic area by Notices to Shipping and Notices to Mariners, allowing users time to comment prior to finalizing planned changes. Further Notices to Shipping and Notices to Mariners will also be issued at the time of all changes.

Mariners and representatives of user groups wishing to provide comments or recommendations on this or any subsequent notice may write to:

Regional Superintendent
 Aids to Navigation
 P.O. Box 1000
 Dartmouth, N.S.
 B2Y 3Z8
 (902) 426-3151

LAURENTIAN REGION

The Canadian Coast Guard is planning to further modernize its marine aids to navigation service. During the period between 1997 and year 2000, these changes will include levels of service adjustments to meet the national standards as well as the reduction of some conventional aids services based on the availability of the Global Positioning System, Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS). The new electronic systems will supplement the remaining conventional aids system, permitting continued maintenance of a safe service at lower cost

The following table shows an update of changes already implemented in 1997/98 and hypothetical service cuts considered until year 2000

IDENTITY OF MEASURES	97/98	98/99	99/00
1) <u>Introduction of a DGPS service (5 stations)</u>	5	-	-
2a) <u>25% reduction of main commercial channel buoy service (79 lighted buoys removed and 75 changed for unlighted spar buoys).</u>	79 buoys removed; 56 changed for unlit	19 buoys to be changed (unlit)	-
2b) <u>5 % reduction of main commercial channel buoy service (29 lighted buoys changed for unlighted spar buoys)</u>	-	29	29
3) <u>Removal or privatization of 12 major reference lights in commercial and/or fishing channels</u>	8 (one will no longer be removed)	3	-
4) <u>Privatization or removal of 272 aids to navigation (unique users and/or in inadequately charted waters)</u>	187	85	-
5) <u>33% reduction (50) of reference lights or fog signals in commercial and/or fishing channels</u>	6 (2 fixed aids + 4 fog signals)	25	19
6) <u>Removal of 20 fixed aids or fog signals in pleasure craft channels</u>	5 (including 2 fog signals)	-	15

NOTE: - measures for 1997/98 and 1998/99 will be implemented after adjustment of *Levels of service*
 - measures for 1999/2000 will be implemented after adjustment of *Levels of service* and/or according to availability of DGPS/ECDIS technologies.

In the following month, more details about these changes will be provided by *Notices to Shipping* and *Notices to Mariners*. The Canadian Coast Guard will delay implementation of measures allowing users enough time to comment on planned changes. Further *Notices to Shipping* and *Notices to Mariners* will be issued when changes are implemented.

Mariners and representatives of users groups wishing to transmit their comments or recommendations on this Notice may do so by writing to:

AIDS TO NAVIGATION SUPERINTENDENT
 101 CHAMPLAIN BOULEVARD, QUÉBEC (QUÉ), G1K 7Y7

CENTRAL & ARCTIC REGION

The Canadian Coast Guard is planning to further modernize its marine aids to navigation service. Changes will include adjusting all service levels to national standards between 1997 and the year 2000 and reducing some conventional aids services based on the availability of the Global Positioning System, Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS). The new electronic systems will supplement the remaining conventional aids system, permitting continued maintenance of a safe service at lower cost.

Implementation of the following changes will begin within Coast Guard Central and Arctic region on April 1, 1997.

MEASURES
1) Upgrading DGPS sites at Cardinal and Wiarton to Initial Operating Service to provide, with the United States Coast Guard, to provide complete coverage of the Great Lakes/St. Lawrence Seaway by December 1997.
2) Removal or divestiture of 700 floating and fixed aids to navigation in the Athabasca River System.
3) Removal of approximately 20 floating aids in the Western Arctic in Simpson Strait, Cambridge Bay, Gjoa Haven and Spence Bay.
4) Privatization of 30 buoys in the Napanee River and approximately 120 fixed and floating aids to navigation in Northern Ontario due to uncharted or inadequately charted waters .
5) Removal or divestiture of approximately 30 reference or wharf-lights in conjunction with Small Craft Harbours, or Ports and Harbours Canada initiatives.
6) Conversion of approximately 20 lighted buoys to unlighted buoys in pleasure craft channels.
7) Removal of 50 floating aids to navigation in commercial channels.
8) Divestiture of 1 light house and associated property.
9) Removal or transfer of 14 fog horns on Lake Superior.
10) Removal or downsizing of 31 large lighted floating aids to navigation on the Great Lakes.

Over the next year, more detailed information concerning each of these proposed changes will be provided in each region or geographic area by Notices to Shipping and Notices to Mariners, allowing users time to comment prior to finalizing planned changes. Further Notices to Shipping and Notices to Mariners will also be issued at the time of all changes.

Mariners and representatives of user groups wishing to provide comments or recommendations on this or any subsequent notice may write to:

Superintendent Marine Aids Program
Central and Arctic Region
201 Front Street North, Suite 703
Sarnia, Ontario, N7T 8B1
Telephone (519)383-1816
Facsimile (519)383-1995

PAGE

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

Director General,
Marine Navigation Services Directorate,
Canadian Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario,
K1A 0E6

Telephone - (613) 990-3037
Facsimile - (613) 998-8428

Please indicate which edition you would like to receive.

EASTERN EDITION (will be comprised of Arctic, Newfoundland, Maritimes, Gulf & River St. Lawrence and Central areas) _____

WESTERN EDITION(will be comprised of Arctic and Pacific areas) _____

ADD _____ AMEND _____ REMOVE _____ NO. OF COPIES _____

Form with fields for OLD ADDRESS and NEW ADDRESS, including NAME, STREET, CITY, POSTAL CODE, PROVINCE, and COUNTRY.

ID number above address on label

or

Attach complete address label to this sheet

PAGE	INDEX	NOTICE #
NATIONAL		
CANADA - TRANSPORT CANADA PUBLICATIONS	Ship Safety Bulletins - 1998.....	965 5,6
CANADIAN COAST GUARD PUBLICATIONS	1998 Summary of Temporary and Preliminary Notices.....	970 5
	- New editions of Radio Aids to Marine navigation publications - 1998.....	967 4
CANADIAN HYDROGRAPHIC SERVICE	Charts.....	975 1
	- Cumulative chart correction list.....	900 6-8
	- Electronic Navigation Charts.....	976 2
ARCTIC		
BAFFIN ISLAND- FROBISHER BAY - KOOJESSE INLET -	Horizontal datum.....	902 21
NEWFOUNDLAND		
NEWFOUNDLAND, EAST COAST CONCEPTION BAY -	Buoys.....	971 9
	- Buoys.....	972 9
	- ST. JOHN'S HARBOUR APPROACH - Temporary buoy removed.....	909 9
MARITIMES		
NORTHUMBERLAND STRAIT	Confederation Bridge.....	973 4,5
NOVA SCOTIA, SOUTH COAST- BIG TUSKET ISLAND -	SCHOONER PASSAGE - Rock.....	962 18
NOVA SCOTIA, SOUTHEAST COAST APPROACHES TO	HALIFAX HARBOUR - Anchorages and depths.....	963 11,12
	- LAHAVE RIVER - Results of survey.....	955 14-16
NOVA SCOTIA, SOUTHWEST COAST YARMOUTH	HARBOUR - Buoys.....	917 19,20
	- Buoys.....	918 18,19
	- YARMOUTH HARBOUR AND CAPE FOURCHU - EAST CAPE - Buoys.....	916 20,21
GULF & RIVER ST. LAWRENCE		
GULF OF ST. LAWRENCE- ÎLES DE LA MADELEINE -	CAP-AUX-MEULES - Rear range light.....	913 10
	- Rear range light.....	914 10
	- MIRAMICHI RIVER AND MIRAMICHI BAY - Dredging discontinued.....	964 16-18
	- NORTHUMBERLAND STRAIT - ABEGWEIT PASSAGE, CAPE TORMENTINE AND BORDEN - Bridge and aids.....	954 12-14
	- SHIPPEGAN GULLY - Buoys.....	958(P) 16
GULF OF ST. LAWRENCE - PRINCE EDWARD ISLAND,	SOUTH SIDE/VICTORIA HARBOUR - Shoaling.....	961 11
LABRADOR- STRAIT OF BELLE ISLE - PINWARE BAY -	SOLDIER ROCK - Buoy.....	910 10
LABRADOR COAST- CAMP ISLANDS - Light.....		915 9,10
ST. LAWRENCE RIVER- BANC DE L'ÎLE ROUGE - ÎLE	VERTE - Buoys.....	950 22

GULF & RIVER ST. LAWRENCE (CONT'D)

PAGE	INDEX	NOTICE #
ST. LAWRENCE RIVER- CAP SAINT-MICHEL	- Shoal depths.....	948 23
- COURSE ÎLE SAINT-OURS	- Shoal depths.....	912 22,23
- LES MÉCHINS	- Shoal depths.....	949 21
- PORT DE SOREL	- Shoal depth.....	947 22
- PORT SAINT-FRANÇOIS	- Lights.....	911 22
- ROCHERS MARANDA	- Buoy.....	951 22
- SOREL TO BEAUHARNOIS	- Vertical clearances under the cables.....	969 8
CENTRE		
LAKE ERIE- WEST TWO CREEKS	- Light.....	904 31,32
LAKE HURON- GODERICH	- Radiobeacon.....	906 31
LAKE HURON - GEORGIAN BAY FORAGE ISLAND TO NORTHWEST PINE ISLAND	- Results of survey.....	901 30
- MCBEAN CHANNEL	- Daybeacon.....	959 31
- WESTERN ISLANDS	- Results of survey.....	908 30,31
LAKE ONTARIO- MIMICO	- Buoy.....	907 29
- OSHAWA	- Buoy.....	905 29
LAKE SUPERIOR- BLACK BAY	- Horizontal datum.....	934 38,39
- CAPE GARGANTUA TO OTTER HEAD	- Horizontal datum.....	930 32
- CARIBOU ISLAND TO MICHIPICOTEN ISLAND-	- Horizontal datum.....	932 35
- COPPERMINE POINT TO CAPE GARGANTUA	- Horizontal datum.....	928 32
- HARBOURS OF THE EAST SHORE OF LAKE SUPERIOR	- Horizontal datum.....	936 32-35
- HERON BAY - PROSPECT COVE	- Horizontal datum.....	903 36
- JACKFISH BAY	- Horizontal datum.....	922 37
- JACKFISH BAY TO ST. IGNACE ISLAND	- Horizontal datum.....	925 37
- MICHIPICOTEN ISLAND TO OISEAU BAY	- Horizontal datum.....	929 35,36
- NIPIGON BAY AND APPROACHES	- Horizontal datum.....	931 37,38
- OISEAU BAY TO JACKFISH BAY	- Horizontal datum.....	926 36
- PASSAGE ISLAND TO THUNDER BAY	- Horizontal datum.....	923 39
- PENINSULA HARBOUR AND PORT MUNRO	- Horizontal datum.....	927 36
- PORT OF THUNDER BAY	- Horizontal datum.....	935 40
- ST. IGNACE TO PASSAGE ISLAND	- Horizontal datum.....	924 38
- THUNDER CAPE TO PIGEON RIVER - SISKIWIT BAY	- Horizontal datum.....	933 39
QUÉBEC- OTTAWA RIVER	- Chart amendments.....	966 24
ST. LAWRENCE RIVER- CANAL DE BEAUHARNOIS	- Buoy.....	919 23
- Buoy.....	920 24	
- CARDINAL TO WHALEBACK SHOAL	- Buoy.....	940 27,28
- ÎLE SAINT-RÉGIS	- Buoy.....	960 26
- KINGSTON HARBOUR AND APPROACHES	- Aids to navigation.....	957(P) 3
- LAKE ST. FRANCIS	- Buoy.....	921 25
- Buoy.....	937 26	
- Light.....	944 25	
- THOUSAND ISLANDS, BROCKVILLE TO KINGSTON	- Buoy.....	956(P) 2,3

CENTRE (CONT'D)

ST. LAWRENCE RIVER- WHALEBACK SHOAL	- Lights.....	943 28
--	---------------	--------

PAGE	INDEX	NOTICE #
	- WHALEBACK SHOAL TO SUMMERLAND GROUP - Buoys.....	941 28
ST. LAWRENCE SEAWAY	CROIL ISLAND - Lights.....	942 27
	- MORRISBURG TO CROIL ISLANDS - Buoys.....	938 26,27
	- WOLFE ISLAND - Lights.....	945 28,29
UNITED STATES	- LAKE ERIE - DUNKIRK - VAN BUREN POINT - Buoy.....	953 30

NOTICES 952/98, 968/98 AND 974/98 ARE NOT PUBLISHED.

NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Notice #	Page	Chart No.	Notice #	Page	Chart No.	Notice #	Page
1230	949	21						
LC 1235	950	22	2289	901 30 908 30,31		LC 4230	916	20,21
1310	948	23	2299	959	31	LC 4237 (Int. 4631)	963	11,12
1312	947	22	LC 2301	923	39	LC 4242	962	18
1313	911	22	LC 2302	924	38	LC 4243	916 962	20,21 18
1317	951	22	2303	925	37	4244	962	18
1338	912	22,23	2304	926	36	4245	916 917 918	20,21 19,20 18,19
1411	919 23 920 24		2305	922	37			
1412	921	25	2306	927	36	LC 4320	963 975	11,12 1
1413	921 25 937 26 944 25 960 26		2307	928	32	4391	955	14-16
1414	937	26	2308	929	35,36	4394	955	14-16
1434	938 26,27 942 27		LC 2309	930	32	4395	955	14-16
1435	940 27,28 941 28 942 27 943 28		2310	932	35	LC 4405	961	11
1436	941 28 943 28		2311	933	39	LC 4451	913	10
1438	945	28,29	2312	931	37,38	4526	975	1
1439	945	28,29	2313	934	38,39	4599	975	1
1510	966	24	2314	935	40	4616	975	1
LC 2058	905	29	2315	936	32-35	4668	910	10
LC 2077	905 29 907 29		2318	903	36	4701	915	9,10
2086	907	29	LC 4002	954	12-14	LC 4731	915	9,10
LC 2100	904	31,32	LC 4003	954	12-14	LC 4846	909	9
LC2120	953	30	LC 4011	916	20,21	LC 4847	972	9
2257	959	31	LC 4012	916	20,21	4849	971	9
2261	906	31	LC 4020	910 10 915 9,10		4865	975	1
			LC 4023	954	12-14	LC 4905	954	12-14
			4202	975	1	LC 4906	964	16-18
			4203	963	11,12	4911	964	16-18
			(Int. 4632)					

NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Notice #	Page	| Chart No.	Notice #	Page	| Chart No.	Notice #	Page
-----------	----------	------	-----------	----------	------	-----------	----------	------

4912	964	16-18						
------	-----	-------	--	--	--	--	--	--

4920	958(P)	16						
------	--------	----	--	--	--	--	--	--

LC 4951	914	10						
---------	-----	----	--	--	--	--	--	--

4956	913	10						
------	-----	----	--	--	--	--	--	--

LC 5030	915	9,10						
---------	-----	------	--	--	--	--	--	--

6038	975	1						
------	-----	---	--	--	--	--	--	--

7127	902	21						
------	-----	----	--	--	--	--	--	--

LC 8049	915	9,10						
---------	-----	------	--	--	--	--	--	--

***975 CANADIAN HYDROGRAPHIC SERVICE Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Charts					
	<u>Newfoundland / Terre-Neuve</u>				
4865	Lewisporte and approaches / et les approches	1:30 000	Jan. 30/98	1	\$20.00
	Limit(s): 49°12'00" N 55°06'11" W 49°24'07" N 55°06'11" W 49°24'07" N 54°39'00" W 49°12'00" N 54°39'00" W				
	and Inset: (1) Lewisporte	1:5 000			
	Limit(s): 49°14'25" N 55°03'35" W 49°15'10" N 55°03'35" W 49°15'10" N 55°02'30" W 49°14'25" N 55°02'30" W				
2. New Editions					
	<u>Nova Scotia / Nouvelle-Écosse</u>				
L/C 4320	Egg Island to West Ironbound Island	1:145 000	Sept. 26/97	3	20.00
	NOTE: This chart is affected by Notice 963/98.				
3. Reprints.					
	<u>Nova Scotia / Nouvelle-Écosse</u>				
4202	Halifax Harbour - Point Pleasant to/à Bedford Basin	1:10 000	Oct. 17/97	1	20.00
	<u>Newfoundland / Terre-Neuve</u>				
4616	Burin Harbours	1:20 000	Oct. 17/97	1	20.00
	<u>Ontario</u>				
6038	Lake Nipissing / Lac Nipissing - West Bay to/à West Arm	1:25 000	Sept. 19/97	3	20.00
4. Permanently withdrawn charts					
4526	Lewisporte	4865			
4599	Bay of Exploits - Sheet V (Southeast)	4865			
(AMA8035-10-35)				(DFO-H98-042)	

***976 CANADIAN HYDROGRAPHIC SERVICE Electronic Navigation Charts.**

Notes: (1) The following ENC products are only available from:

Nautical Data International Inc.

P.O. Box 127, Station C

St. John's, Newfoundland

A1C 5H5

Telephone: 1-800-563-0634 or 1-709-576-0634

Facsimile: 709-576-0636

(2) For licencing information and rates please contact the distributor, Nautical Data International Inc. (NDI) at the above-mentioned address.

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Chart.					
	<u>Atlantic Coast/Côte de l'Atlantique</u>				
76140	Cape Breton to/à Cape Cod	-----	Oct. 31/97		See Note (2)
	NOTE: This ENC is derived from CHS Chart 4003.				
2. New Editions.					
	<u>Newfoundland/Terre-Neuve</u>				
76075	Bay Bulls to/à St. Mary's Bay	-----	Oct. 10/97		See Note (2)
	NOTE: This ENC is derived from CHS Chart 4817.				
	<u>St. Lawrence River/Fleuve Saint-Laurent</u>				
79103	Grandes-Bergeronnes	-----	Dec. 12/97		See Note (2)
	NOTE: This ENC is derived from CHS Sailing Directions booklet ATL 111.				

(AMA8035-10-35)

(DFO-H98-043)

***956(P)ST. LAWRENCE RIVER - THOUSAND ISLANDS, BROCKVILLE TO KINGSTON - Buoys and light**

As a result of a recent Levels of Service review, the Canadian Coast Guard proposes to conduct the following changes to aids to navigation - Thousand Islands, Brockville to Kingston.

Chart 1438

Discontinue red spar buoy H30/2 (44°18'07" N 76°07'43" W)

Discontinue red spar buoy H30/4 (44°18'01".5 N 76°07'58" W)

Discontinue red spar buoy JD2 (44°19'28" N 76°09'33" W)

Discontinue red spar buoy J6 (44°19'29".5 N 76°08'48" W)

Charts 1437 and 1438

Discontinue green spar buoy H29 (44°17'56".5 N 76°07'04" W)

Charts 1436 and 1437

Upgrade Grenadier Island light structure to increase daytime visibility (44°22'58" N 75°54'19" W)
(L.L. 361)

Chart 1436

Discontinue green spar buoy U15 (44°24'58".5 N 75°52'58" W)
Establish red spar buoy marked "U16" (44°24'59" N 75°53'03" W).

Comments on this action are solicited from mariners and other interested parties and should be directed to Mr. Steven D. Lear, Supervisor, Marine Aids Program, Canadian Coast Guard, P.O. Box 1000, Prescott, Ontario, K0E 1T0, Tel.: (613) 925-2865 ext. 215, Facs: (613) 925-5540, within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-5-14; 10-7-14)

(CCG-B98-001)

***957(P)ST. LAWRENCE RIVER - KINGSTON HARBOUR AND APPROACHES - Aids to navigation.**

As a result of a recent Levels of Service review, the Canadian Coast Guard proposes to conduct the following changes to aids to navigation - Kingston Harbour and Approaches.

Chart 1438

Relocate Wolfe Island Cut green spar buoy PV3 from 44°14'09" N 78°10'49" W to 44°14'14" N 76°10'52".5 W

Discontinue Wolfe Island Cut red spar buoy PV4 (44°14'11".5 N 78°10'43" W)

Discontinue Wolfe Island Cut green light buoy PV5 (L.L. 376) (44°14'27" N 76°11'05" W)

Chart 1439

Discontinue Knapp Point light (L.L. 396) (44°13'56" N 76°23'51".9 W)

Charts 1439 and 2017

Discontinue green spar buoy H45 (44°12'51" N 76°25'57".5 W)

Downsize red light buoy KH2 (L.L. 405.6) (44°13'25" N 76°28'17".5 W)

Relocate Snake Island green light buoy K5 (L.L. 415) from 44°11'48" N 76°33'01" W to 44°11'59" N 76°32'34" W

Discontinue green spar buoy KE1 (44°11'14" N 76°29'19" W)

Discontinue red spar buoy KE2 (44°11'05" N 76°29'28" W)

Discontinue red spar buoy KS2 (44°11'04" N 76°32'05".5 W)

Downsize Nine Mile Point light (L.L. 419) from a 17 NM light to a 13 NM light (44°09'05".2 N 76°33'21" W)

Comments on this action are solicited from mariners and other interested parties and should be directed to Mr. Steven D. Lear, Supervisor, Marine Aids Program, Canadian Coast Guard, P.O. Box 1000, Prescott, Ontario, K0E 1T0, Tel.: (613) 925-2865 ext. 215, Facs: (613) 925-5540 within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-1)

(CCG-B98-002)

***967 CANADIAN COAST GUARD PUBLICATIONS - New editions of Radio Aids to Marine navigation publications - 1998.**

The 1998 editions of the Radio Aids to Marine Navigation (Atlantic and Great Lakes) and Radio Aids to Marine Navigation (Pacific) publications have been published. (Atlantic Price \$18.95), (Pacific Price

\$14.95). These publications are available from:

Hydrographic Chart Distribution Office
Fisheries and Oceans Canada
1675 Russell Road
P.O. Box 8080
Ottawa, Ontario
Canada
K1G 3H6
Tel: (613) 998-4931
Fax: (613) 998-1217
E-mail: chs_sales@chshq.dfo.ca

or

Hydrographic Chart Distribution Office
Fisheries and Oceans Canada
9860 W. Saanich Road
P.O. Box 6000
Sidney, British Columbia
Canada
V8L 4B2
Tel: (250) 656-8358
Fax: (250) 363-6323
E-mail: chart_sales@ios.bc.ca

Internet: <http://www.chshq.dfo.ca>

or through your authorized Canadian Hydrographic Service Chart Dealer.

(M2204-146)

(CCG-H98-021)

***973 NORTHUMBERLAND STRAIT - Confederation Bridge**

Reference: Notice 148/98 cancelled.

As of 0100 UTC November 25, 1997 the navigation route for ships over 1425 tons displacement transiting the Confederation Bridge is through the main navigation span between piers P21 and P22 only.

Bridges approaches must follow the course line extending between the two Strait Crossing fairway buoys (Priv) in positions 46°17' N 63°52'.3 W and 46°09'.4 N 63°39'.9 W respectively, and the following restrictions apply:

Maximum tonnage:	Passenger ships	33,500 tons displacement
	Cargo ships	47,000 tons displacement
Maximum speed:	Passenger ships	11 knots over the ground within 5 nautical miles of the bridge
	Cargo ships	8 knots over the ground within 5 nautical miles of the bridge
Maximum draft:	All ships	15 metres
Maximum air draft:	All ships	48 metres
Maximum beam:	All ships	35 metres

The waters five (5) nautical miles either side of Confederation Bridge are designed as an area of alternating one way traffic for ships having a displacement greater than 1425 tons transiting the bridge. Except in emergencies, no ship may overtake another ship, meet another ship, come about or anchor within one quarter (1/4) mile either side of the centreline of the main navigation span.

No vessel having a displacement greater than 1425 tons shall transit the bridge in visibility of less than one and one half (1 1/2) nautical miles.

For ships having a displacement of 1425 tons or less, other than tug/tow combinations, transit of the Confederation Bridge may be made between piers P3 - P5 on the Prince Edward Island side and between piers P42-P44 on the New Brunswick side, and the following restrictions apply:

Maximum tonnage: 1425 tons displacement

Maximum speed: 15 knots over the ground

Maximum draft: Between piers P3 - P5 - 10 metres
 Between piers P42 - P44 - 5.5 metres

Maximum air draft: 28 metres

Pilotage is compulsory in the vicinity of the Confederation Bridge of all vessels over 1500 gross tons.

For further details on navigational requirements in the vicinity of the bridge, mariners should contact the Regional Director, Transport Canada, Marine Safety, 45 Alderney Drive, P.O. Box 1013, Dartmouth N.S. B2Y 4K2. Tel.: 902-426-9321. Fax 902-426-6657.

The information concerning VTS services published in Notices to Mariners No. 437/94 may now be found in Notice 25 of the Annual Edition of Notices to Mariners.

Charts 4321, 4406.

(AMA8035-10-1)

(CCG-H98-024)

***970 CANADIAN COAST GUARD PUBLICATIONS - 1998 Summary of Temporary and Preliminary Notices.**

The yearly Summary of Temporary and Preliminary Notices publication is available on demand at the following address:

Canadian Coast Guard
 Marine Navigation Services
 344 Slater St, 6th floor
 Ottawa, Ontario
 K1A 0E6

Telephone: (613) 990-3037
 Facsimile: (613) 998-8428

This publication is also available on Internet: <http://www.notmar.com>

(AMA8035-10-1)

(CCG-H98-023)

***965 CANADA - TRANSPORT CANADA PUBLICATIONS - Ship Safety Bulletins - 1998.**

The following bulletins have been issued in 1998:

No. 1	January 13, 1998	FIRE IN THE SELF-UNLOADING BULK CARRIER "AMBASSADOR"
No. 2	February 25, 1998	CANADIAN CODE OF SAFE PRACTICE FOR SHIPS CARRYING TIMBER CARGOES, TP 2534
No. 3	March 2, 1998	NOTICE TO SHIPMASTERS LOADING COAL
No. 4	March 3, 1998	PORTABLE PUMPS IN THE MARINE ENVIRONMENT
No. 5	March 9, 1998	OPERATION OF MARINE RADAR FOR THE DETECTION OF SEARCH AND RESCUE TRANSPONDERS (SART'S)
No. 6	April 8, 1998	RESPONSIBILITIES OF SHIPOWNERS AND MASTERS RESPECTING MAINTENANCE OF WEATHERTIGHT INTEGRITY OF THEIR VESSELS

Single copies of these bulletins may be obtained by writing to:

Transport Canada
 Marine Safety
 AMSK, Tel. 991-3171
 Fax # (613) 991-5670
 Tower C, Place de Ville
 330 Sparks Street, 10th floor
 Ottawa, Ontario
 K1A 0N8

(AMA8035-10-1)

(MPO-H98-020)

***900 CANADIAN HYDROGRAPHIC SERVICE - Cumulative chart correction list.**

The accompanying correction list is a cumulative list of charts affected by Notices to Mariners from 6 FEBRUARY, 1998 to 29 MAY, 1998

Chart	Edition and Notices to Mariners Numbers
1203.....	12(521/98)
1209.....	6(301/98)
L/C 1221.....	16(742/98), 9(324/98)
1223.....	13(532/98 NEW EDITION)
1226.....	7(309/98)
1229.....	11(515/98)
1230.....	11(509/98)
L/C 1234.....	17(758/98), 9(313/98)
L/C 1235.....	14(708/98, 707/98), 12(521/98)
L/C 1236.....	17(762/98, 750/98), 14(707/98), 7(304/98)
1310.....	16(744/98), 9(319/98)
1312.....	9(321/98)
1313.....	18(911/98), 11(514/98), 9(323/98)
1315.....	11(511/98), 7(307/98)
1317.....	16(740/98), 12(526/98), 9(314/98)
1338.....	18(912/98), 16(746/98), 15(720/98)
1339.....	16(749/98, 744/98), 15(720/98)
1410.....	17(761/98), 15(718/98)
1411.....	19(920/98, 919/98)
1412.....	19(921/98)
1413.....	19(921/98)
1414.....	15(714/98)
2043.....	10(503/98)
L/C 2058.....	18(905/98), 16(748/98)
2067.....	15(713/98)
2069.....	17(766/98 REPRINT)
L/C 2077.....	18(907/98, 905/98), 16(747/98)
L/C 2100.....	18(904/98), 10(508/98)
L/C 2120.....	10(508/98)
L/C 2123.....	10(508/98)
L/C 2201.....	10(507/98)
L/C 2228.....	15(715/98)
2239.....	15(716/98), 10(507/98)
2257.....	12(525/98)
2259.....	12(525/98)
2282.....	11(512/98)
2289.....	18(908/98, 901/98), 15(716/98)
2297.....	17(766/98 REPRINT)
2299.....	12(525/98)
L/C 2301.....	19(923/98)
L/C 2302.....	19(924/98)

Chart	Edition and Notices to Mariners Numbers
2303.....	19(925/98)
2304.....	19(926/98)
2305.....	19(922/98)
2306.....	19(927/98)
2307.....	19(928/98)
2308.....	19(929/98)
L/C 2309.....	19(930/98)
2310.....	19(932/98)
2311.....	19(933/98)
2312.....	19(931/98)
2313.....	19(934/98)
2314.....	19(935/98)
2315.....	19(936/98)
2318.....	18(903/98)
3442.....	8(311/98)
3443.....	13(532/98 NEW EDITION)
L/C 3463.....	13(534/98), 12(527/98)
3544.....	15(709/98)
3545.....	15(709/98)
3546.....	13(532/98 REPRINT), 6(302/98)
3548.....	6(302/98)
3550.....	9(325/98 REPRINT)
3647.....	9(325/98 REPRINT)
3955.....	9(315/98)
3956.....	9(315/98)
3957.....	9(315/98)
3958.....	9(315/98)
4000.....	12(530/98)
L/C 4001.....	16(739/98), 12(530/98)
L/C 4002.....	15(717/98)
L/C 4003.....	14(706/98)
L/C 4011.....	19(916/98)
L/C 4012.....	19(916/98)
L/C 4020.....	19(915/98), 18(910/98)
L/C 4022.....	16(743/98), 15(721/98)
L/C 4023.....	16(743/98), 15(721/98)
L/C 4024.....	16(743/98), 15(721/98, 717/98)
L/C 4025.....	9(324/98)
L/C 4026.....	15(710/98), 13(532/98 REPRINT), 11(509/98), 9(324/98, 322/98, 316/98)
L/C 4049.....	16(739/98), 12(530/98)
L/C 4118.....	17(766/98 REPRINT)
4202.....	9(330/98)
4203.....	14(702/98), 9(325/98 REPRINT)
L/C 4230.....	19(916/98)
L/C 4234.....	9(330/98, 325/98 REPRINT)
L/C 4237.....	17(766/98 REPRINT), 14(702/98)
L/C 4243.....	19(916/98)
4245.....	19(918/98, 917/98, 916/98)
4331.....	17(766/98 REPRINT)
L/C 4367.....	14(701/98)
4416.....	12(520/98)
4429.....	9(324/98, 316/98)
4430.....	9(324/98)
4432.....	9(324/98, 316/98)
L/C 4451.....	18(913/98), 15(721/98)

Chart	Edition and Notices to Mariners Numbers
4455.....	17(763/98)
4456.....	9(324/98)
4473.....	9(312/98)
L/C 4485.....	15(717/98), 12(520/98)
L/C 4486.....	15(717/98, 712/98)
4531.....	10(504/98)
4635.....	9(325/98 REPRINT)
4668.....	18(910/98)
4701.....	19(915/98)
L/C 4730.....	17(766/98 REPRINT)
L/C 4731.....	19(915/98)
L/C 4847.....	13(536/98)
4849.....	13(537/98)
L/C 4851.....	9(317/98)
4852.....	9(317/98)
L/C 4951.....	18(914/98), 15(721/98)
4956.....	18(913/98), 15(721/98)
L/C 5030.....	19(915/98), 17(755/98)
5080.....	9(325/98 NEW CHART)
5628.....	16(737/98)
7072.....	9(325/98 REPRINT)
7127.....	18(902/98)
7662.....	9(318/98)
7685.....	16(735/98)
L/C 8011.....	16(739/98), 12(530/98)
L/C 8012.....	12(530/98)
L/C 8049.....	19(915/98)

(AMA8035-10-35)

(DFO-H98-008)

***969 ST. LAWRENCE RIVER -SOREL TO BEAUHARNOIS - Vertical clearances under the cables.**

Reference: Notice 327(P)/98 cancelled.

(AMA8035-10-35)

(DFO-Q98-069)

***909 NEWFOUNDLAND, EAST COAST - ST. JOHN'S HARBOUR APPROACH - Temporary buoy removed.**

Chart (Which was temporarily affected) - LC 4846(NAD 83)

Reference: Notice 756(T)/93 cancelled.

NOTE: Digital data products 4846R/M and 76015(4846) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-009, DFO-A98-007)

***971 NEWFOUNDLAND, EAST COAST - CONCEPTION BAY - Buoys.**

Chart (Last correction) - 4849(Plan, Harbour Grace and/et Carbonear)(NAD 83)(1-3)(537/98)

Reference: Notices 536/98 and 537/98.

- | | | |
|------------|--|---------------------------|
| 1. Replace | red spar buoy CG4 with a red light buoy "QR", marked "CG4" | 47°41'42" N 53°12'19" W |
| 2. Delete | red spar buoy CG6 | 47 41 30.5 N 53 12 37.8 W |
| 3. Add | red light buoy "QR", marked "CG6" | 47 41 30.5 N 53 12 45 W |

NOTE: Digital data products 4849R/M and 76405(4849) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-032, 033A)

***972 NEWFOUNDLAND, EAST COAST - CONCEPTION BAY - Buoys.**

Chart (Last correction) - LC 4847(NAD 83)(1-4)(536/98)

Reference: Notices 536/98 and 537/98.

- | | | |
|-----------|-----------------------------------|---------------------------|
| 1. Delete | red spar buoy CG4 | 47°41'42".5 N 53°12'18" W |
| 2. Add | red light buoy "QR", marked "CG4" | 47 41 42 N 53 12 19 W |
| 3. Delete | red spar buoy CG6 | 47 41 30 N 53 12 37.5 W |
| 4. Add | red light buoy "QR", marked "CG6" | 47 41 30.5 N 53 12 45 W |

NOTE: Digital data products 4847R/M and 76120(4847) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-032B, 033)

***915 LABRADOR COAST - CAMP ISLANDS - Light.**

Charts (Last correction) - LC 5030(NAD 83)(1)(755/98) - LC 5030(Inset, Niger Sound)(NAD 83)(1)(755/98) - 4701(NAD 27)(2)(688/97) - LC 4020(NAD 27)(2)(910/98) - LC 4731(2)(688/97) - LC 8049(3)(594/96)

- | | | |
|----------|-------------------------------------|------------------------------------|
| 1. Amend | FI R 5s 42m to read "FI 5s 42m" | 52°10'00".5 N 55°38'28".4 W |
| 2. Amend | FI R 5s 137ft to read "FI 5s 137ft" | 52 10 00.5 N 55 38 28.4 W (approx) |

3. Amend FI R to read "FI" 52 10 00.5 N 55 38 28.4 W (approx)

NOTE: Digital data products 4020R/M and 76094(4020) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N96-062, DFO-A98-014)

***910 LABRADOR - STRAIT OF BELLE ISLE - PINWARE BA- SOLDIER ROCK - Buoy.**

Charts (Last correction) - 4668(Plan, Pinware Bay)(1)(517/97) - LC 4020(NAD 27)(2)(517/97)

1. Add red conical buoy marked "NP6" 060°30' 3.615 sea miles (approx)
from St. Modeste Island light

2. Add red conical buoy marked "NP6" 51°37'42" N 56°36'51" W

NOTE: Digital data products 4020R/M and 76094(4020) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N97-081, DFO-A97-000)

***914 GULF OF ST. LAWRENCE - ÎLES DE LA MADELEINE - CAP-AUX-MEULES - Rear range light.**

Chart (Last correction) - LC 4951(NAD 83)(1)(721/98)

1. Amend Iso G 12m to read "Q G 12m" 47°22'40".5 N 61°51'16".4 W

NOTE: Digital data products 4951R/M and 79092(4951) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(DFO-Q98-058, CCG-L97-095)

***913 GULF OF ST. LAWRENCE - ÎLES DE LA MADELEINE - CAP-AUX-MEULES Rear range light.**

Charts (Last correction) - 4956(NAD 83)(1)(721/98) - LC 4451(NAD 27)(2)(721/98)

Reference: Notice 611/97

On certain copies.

1. Amend Iso G 1s 12m to read "Q G 12m" 47°22'40".5 N 61°51'16".4 W

2. Amend Iso G 1s 39ft to read "Q G 39 ft" 47 22 40.3 N 61 51 19 W

NOTE: Digital data products 4451R/M, 4956R/M, 79046(4956) and 79083(4451) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(DFO-Q98-057, CCG-L97-095)

***961 GULF OF ST. LAWRENCE - PRINCE EDWARD ISLAND, SOUTH SIDE - VICTORIA HARBOUR - Shoaling.**

Chart (Last correction) - LC 4405(Inset, Victoria Wharf)(NAD 27)(1)(696/97) - LC 4405(Inset, Victoria Harbour)(NAD 27)(2,3)(696/97)

- | | | |
|--------|----------------|--|
| 1. Add | note | 180°, 950 feet from front range light (approx) |
| | "See SHOALING" | |
| 2. Add | note | 46°12'37" N 63°29'36" W (approx) |
| | "See SHOALING" | |
| 3. Add | note | 46 12 42 N 63 28 00 W (approx) |

"SHOALING

Reconnaissance surveys conducted in 1994 indicate that the Victoria Harbour channel is shoaler than charted with a limiting depth of 4 feet. The immediate approaches to the wharf have a limiting depth of 1 foot."

NOTE: Digital data products 4405R/M, 76162(4405) and 76163(4405) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-027)

***963 NOVA SCOTIA, SOUTHEAST COAST - APPROACHES TO HALIFAX HARBOUR - Anchorages and depths.**

Charts (Last correction) - 4203(nt. 4632)(NAD 83)(1,2)(702/98) - LC 4237(Int. 4631)(NAD 83)(3-6) (766/98) - LC 4320(NAD 83)(7-12)(New Edn., Sept./97)

- | | | |
|--------|------|----------------------------------|
| 1. Add | note | 44°34'27" N 63°33'57" W (approx) |
|--------|------|----------------------------------|

"ANCHORAGE

Anchorage area B should not be used during periods of strong onshore winds".

"MOUILLAGE

La zone de mouillage B ne devrait pas être utilisée en période de forts vents du large."

- | | | |
|--------|------|----------------------------------|
| 2. Add | note | 44 31 39 N 63 29 07.5 W (approx) |
|--------|------|----------------------------------|

"See Note ANCHORAGE/Voir Note MOUILLAGE"

- | | | |
|--------|------|--------------------------------|
| 3. Add | note | 44 37 45 N 63 38 06 W (approx) |
|--------|------|--------------------------------|

"ANCHORAGES

Anchorage areas A and B should

not be used during periods of strong onshore winds."

"MOUILLAGES

Les zones de mouillage A et B ne devraient pas être utilisées en période de forts vents du large."

- | | | |
|-----------|--|----------------------------------|
| 4. Add | note | 44°30'50" N 63°27'00" W (approx) |
| | "See Note ANCHORAGES/Voir Note MOUILLAGES" | |
| 5. Delete | 11 metres 3 decimetres | 44 39 21 N 63 34 14 W |
| 6. Add | 13 metres 4 decimetres | 44 39 24.4 N 63 34 14 W |
| 7. Add | note | 44 45 24 N 64 21 24 W (approx) |

"ANCHORAGES

Anchorage areas A and B should not be used during periods of strong onshore winds".

"MOUILLAGES

Les zones de mouillage A et B ne devraient pas être utilisées en période de forts vents du large."

- | | | |
|-----------|--|--------------------------------|
| 8. Add | note | 44 31 00 N 63 24 48 W (approx) |
| | "See ANCHORAGES Voir MOUILLAGES" | |
| 9. Delete | 6 fathoms 3 feet | 44 39 19 N 63 34 17 W (approx) |
| 10. Add | 7 fathoms 2 feet | 44 39 24 N 63 34 14 W (approx) |
| 11. Amend | ANCHORAGE AREA A,
MOUILLAGE ZONE A to read
"ANCHORAGE AREA B",
"MOUILLAGE ZONE B" | 44 31 36 N 63 27 24 W (approx) |
| 12. Amend | ANCHORAGE AREA B,
MOUILLAGE ZONE B to read
"ANCHORAGE AREA A",
"MOUILLAGE ZONE A" | 44 30 12 N 63 26 48 W (approx) |

NOTE: Digital data products 4203R/M, 4237R/M, 4320R/M, 76002(4203), 76009(4237) and 76055(4320) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-022)

***954 GULF OF ST. LAWRENCE - NORTHUMBERLAND STRAIT - ABEGWEIT PASSAGE, CAPE TORMENTINE AND BORDEN - Bridge and aids.**

Charts (Last correction) - LC 4905(NAD 83)(1-3)(520/97) - LC 4905(Inset, Cape Tormentine) (NAD 83)(4-10)(520/97) - LC 4905(Inset, Borden)(NAD 83)(11-14)(520/97) - LC 4023(NAD 27)

(15-26)(743/98) - LC 4002(NAD 27)(27-29)(717/98) - LC 4003(NAD 27)(30)(706/98)

Reference: Notice 319(P)/97.

1. Affix	patch	46°13'00" N 63°46'00" W (approx)
2. Delete	light	46 13 52.5 N 64 17 56.3 W
3. Add	light "Fl G 3s 9m"	46 13 53.7 N 64 17 53 W
4. Delete	range lights	46 07 58.7 N 63 46 44.3 W (approx)
5. Add	light "Iso R 12m"	46 08 05.4 N 63 46 20 W
6. Delete	range lights	46 07 33.9 N 63 47 08.3 W (approx)
7. Delete	light	46 07 56.8 N 63 46 22.8 W
8. Add	light "Fl R 5m"	46 08 00.6 N 63 46 27.8 W (approx)
9. Add	green spar buoy, marked "XD11"	46 07 53.8 N 63 46 30.2 W
10. Delete	green spar buoy XD7	46 08 00.8 N 63 46 33.2 W
11. Delete	Bridge Constr (1995)	46 14 51.4 N 63 42 34.4 W (approx)
12. Delete	range lights	46 15 03 N 63 41 37.5 W (approx)
13. Amend	Fl Y to read "Iso G 10m"	46 14 42.5 N 63 41 58 W
14. Delete	Fog Sig 20s	46 14 42.5 N 63 41 58 W
15. Delete	light	46 13 55 N 64 18 00 W
16. Add	light "Fl G 31ft"	46 13 53.7 N 64 17 53 W
17. Delete	Constr (1995)	46 12 00 N 63 46 45 W
18. Delete	green light buoy X11	46 12 22 N 63 50 07 W
19. Delete	light	46 09 30 N 63 48 26 W
20. Delete	ferry route	46 11 20 N 63 44 05 W
21. Amend	Priv to read "XB" against fairway light and whistle buoy	46 09 24 N 63 39 54 W
22. Amend	Priv3 to read "XB3" against green light buoy	46 11 00 N 63 42 39 W
23. Amend	Priv2 to read "XB2" against red light buoy	46 11 03 N 63 42 30 W
24. Amend	Priv5 to read "XB5" against green light buoy	46 14 18 N 63 48 03 W
25. Amend	Priv4 to read "XB4" against red light	46 14 24 N 63 47 57 W

	buoy	
26. Amend	Priv to read "XF" against light buoy	46°17'00" N 63°52'18" W
27. Delete	10 fathoms	46 12 30 N 63 45 00 W
28. Delete	CONST(1995)	46 14 00 N 63 46 00 W
29. Delete	ferry route	46 11 55 N 63 43 40 W
30. Add	bridge	joining 46 15 04.2 N 63 42 21.3 W and 46 09 49.2 N 63 48 56.3 W

NOTE: 1) A new edition incorporating the above-mentioned changes is now available for chart 4406.
 2) Digital data products 4002R/M, 4003R/M, 4023R/M, 4905R/M, 76076(4905), 76077(4905), 76078(4905), 76140(4003), 76286(4023) and 79076(4002) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-6)

(CCG-G97-016,017,129,138-144,146,147,157-161,165,166,168, CCG98-011,013,034-037,039)

***955 NOVA SCOTIA, SOUTHEAST COAST LAHAVE RIVER - Results of survey.**

Charts (Last correction) - 4391(NAD 27)(1-3)(New Edn., February/92) - 4391(Inset, Bridgewater Public Wharf)(NAD 27)(4)(New Edn., February/92) - 4394(NAD 27)(5-7)(712/91) - 4395(NAD 27)(8-11) (758/91)

1. Add note 44°22'36" N 64°27'36" W (approx)

"SHOALING
 Reconnaissance surveys conducted from 1994 to 1997 indicate that the LaHave River channel is shoaler than charted in the following areas, by up to the depths indicated:
 - Green Point to Weagle Island, 7 feet
 - Weagle Island up to and including Bridgewater Public Wharf, 4 feet".

2. Add note 44 21 57 N 64 27 48 W (approx)

"See SHOALING"

3. Add note 44 22 05.7 N 64 29 27 W (approx)

"See SHOALING"

4. Add note 264° 60 m (approx.) from
 Northeastern corner of Bridgewater public wharf

"See SHOALING"

5. Add note 44 15 57 N 64 18 26 W (approx)

"SHOALING
 Reconnaissance surveys conducted from 1994 to 1997 indicate that the

LaHave River channel is shoaler than charted in the following areas, by up to the depths indicated:

- Buoy T54 (44°15'30" N 64°20'18" W) to Parks Island, 5 feet
- Parks Island to the chart neatline at 44°17'57".5 N 64°21'24" W, 9 feet".

"PETITES PROFONDEURS

Des levés de reconnaissance effectués entre 1994 et 1997 indiquent que la profondeur dans certains tronçons du chenal de LaHave River est inférieure à celle portée sur la carte, et ce, jusqu'aux valeurs indiquées ci-dessous:

- de la bouée T54 (44°15'30" N 64°20'18" W) à Parks Island, 5 pieds
- de Parks Island jusqu'au cadre intérieur de la carte par 44°17'57".5 N 64°21'24" W, 9 pieds".

6. Add note 44°17'29" N 64°21'03" W (approx)

"See SHOALING
Voir PETITES PROFONDEURS"

7. Add note 44 15 28 N 64 21 27 W (approx)

"See SHOALING
Voir PETITES PROFONDEURS"

8. Add note 44 19 00 N 64 21 21 W (approx)

"SHOALING

Reconnaissance surveys conducted from 1994 to 1997 indicate that the LaHave River channel is shoaler than charted in the following areas, by up to the depths indicated:

- chart neatline at 44°17'12" N 64°20'54" W to Parks Island, 6 feet
- Parks Island to Millers Point, 9 feet
- Millers Point to Sperry Cove, 4 feet
- Sperry Cove to the chart neatline at 44°21'59" N 64°27'42" W, 7 feet".

"PETITES PROFONDEURS

Des levés de reconnaissance effectués entre 1994 et 1997 indiquent que la profondeur dans certains tronçons du chenal de LaHave River est inférieure à celle portée sur la carte, et ce, jusqu'aux valeurs indiquées ci-dessous:

- du cadre intérieur de la carte par
44°17'12" N 64°20'54" W jusqu'à
Parks Island, 6 pieds
- de Parks Island à Millers Point, 9
pieds
- de Sperry Cove jusqu'au cadre
inté-rieur de la carte par 44°21'59"
N 64°27'42" W, 7 pieds".

9. Add note 44°21'52" N 64°27'34" W (approx)
"See SHOALING
Voir PETITES PROFONDEURS"
10. Add note 44 17 33 N 64 20 54 W (approx)
"See SHOALING
Voir PETITES PROFONDEURS"
11. Add note 44 18 51 N 64 23 51 W (approx)
"See SHOALING
Voir PETITES PROFONDEURS"

NOTE: Digital data products 4391R/M, 4394R/M and 4395R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A97-062)

***958(P) GULF OF ST. LAWRENCE - SHIPPEGAN GULLY - Buoys.**

Chart (Which will be affected) - 4920(Plan, Shippegan Harbour)(NAD 83)(1,2)

1. Delete red spar buoy TJ10 47°43'01".6 N 64°39'52".4 W
2. Add red light buoy "FI R", marked "TJ10" 47 43 03.3 N 64 39 52.4 W

NOTE: 1) A new edition for chart 4920 incorporating the above-mentioned changes will be available at a later date.
2) Digital data products 4920R/M and 76269(4920) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G97-125, 126, DFO-A98-010)

***964 GULF OF ST. LAWRENCE - MIRAMICHI RIVER AND MIRAMICHI BAY - Dredging discontinued.**

Charts (Last correction) - 4911(NAD 83)(1-4)(736/96) - 4912(NAD 83)(5-8)(54/97) - 4912 (Continuation A)(NAD 83)(9)(54/97) - LC 4906(NAD 83)(10)(649/97)

1. Delete note 47°03'24" N 64°55'00" W (approx)

AVERTISSEMENT

Des profondeurs inférieures aux
profondeurs utiles des chenaux
peuvent se situer près des limites
extérieures.

WARNING
 Depths shallower than the limiting channel depths may exist near outer limits.

2. Add note in lower right margin adjacent to sub-title

"AVERTISSEMENT
 Les travaux de dragage dans Miramichi River ont été interrompus en 1994. Les profondeurs peuvent être moindres que les profondeurs utiles qui sont indiquées sur la carte.

WARNING
 Dredging operations along the Miramichi River were discontinued in 1994. Depths shallower than the limiting channel depths charted, may exist."

3. Add note 47°07'29" N 65°06'30" W (approx)
 "Voir AVERTISSEMENT/See WARNING"

4. Add note 46 06 05 N 64 56 42 W (approx)
 "Voir AVERTISSEMENT/See WARNING"

5. Delete note 47 03 24 N 65 06 24 W (approx)

AVERTISSEMENT
 Des profondeurs inférieures aux profondeurs utiles des chenaux peuvent se situer près des limites extérieures.

WARNING
 Depths shallower than the limiting channel depths may exist near outer limits.

6. Add note 47 11 18 N 65 10 30 W (approx)

"AVERTISSEMENT
 Les travaux de dragage dans Miramichi River ont été interrompus en 1994. Les profondeurs peuvent être moindres que les profondeurs utiles qui sont indiquées sur la carte.

WARNING
 Dredging operations along the

Miramichi River were discontinued in 1994. Depths shallower than the limiting channel depths charted, may exist."

- | | | |
|------------|----------------------------------|----------------------------------|
| 7. Add | note | 47 07 53 N 65 10 48 W (approx) |
| | "Voir AVERTISSEMENT/See WARNING" | |
| 8. Add | note | 47°04'45" N 65°20'12" W (approx) |
| | "Voir AVERTISSEMENT/See WARNING" | |
| 9. Add | note | 47 00 50 N 65 31 54 W (approx) |
| | "Voir AVERTISSEMENT/See WARNING" | |
| 10. Delete | legend LD 7.7m | 47 06 00 N 64 57 18 W (approx) |

NOTE: Digital data products 4906R/M, 4911R/M, 4912R/M, 76062(4906), 76125(4912), 76126(4912) and 76133(4911) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-021)

***962 NOVA SCOTIA, SOUTH COAST - BIG TUSKE ISLAND - SCHOONER PASSAGE - Rock.**

Charts (Last correction) - 4244(NAD 27)(1,2)(234/97) - LC 4242(NAD 83)(3)(410/96) - LC 4243(NAD 27)(4)(916/98)

- | | | |
|-----------|---|-----------------------------|
| 1. Delete | 2 metres 2 decimetres | 43°38'03".5 N 66°01'19".6 W |
| 2. Add | rock which covers and uncovers with a drying height of "0 metre 5 decimetres" | 43 38 03.5 N 66 01 19.6 W |
| 3. Add | rock which covers and uncovers with a drying height of "0 metre 5 decimetres" | 43 38 03.8 N 66 01 17.5 W |
| 4. Add | rock which covers and uncovers with a drying height of "0 metre 5 decimetres" | 43 38 03.4 N 66 01 19.6 W |

NOTE: Digital data products 4242R/M, 4243R/M, 4244R/M, 76014(4242), 76018(4243) and 76048(4244) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-024)

***918 NOVA SCOTIA, SOUTHWEST COAST - YARMOUTH HARBOUR - Buoys.**

Chart (Last correction) - 4245(NAD 83)(1-9,13-15)(917/98) - 4245(Inset, Yarmouth Wharves/Quais) (NAD 83)(10-20)(917/98)

Reference: Notice 518(P)/98.

1. Amend	Y24 to read "Y20" against red spar buoy		43°49'06".3 N 66°08'14".8 W
2. Amend	Y23 to read "Y21" against green spar buoy		43 49 10.9 N 66 08 19.3 W
3. Amend	Y26 to read "Y22" against red spar buoy		43°49'22".1 N 66°08'04".5 W
4. Delete	green can buoy Y27		43 49 29.5 N 66 08 03.4 W
5. Add	green can buoy, marked "Y23"		43 49 22.5 N 66 08 09.5 W
6. Amend	Y28 to read "Y24" against red light buoy		43 49 33.7 N 66 07 54.5 W
7. Delete	green can buoy Y31		43 49 41.6 N 66 07 52.9 W
8. Add	green spar buoy, marked "Y25"		43 49 34.5 N 66 07 59 W
9. Delete	red spar buoy Y32		43 49 42 N 66 07 47.4 W
10. Reposition	red spar buoy YA4	from	43 49 48.7 N 66 07 34.3 W
		to	43 49 54 N 66 07 31.6 W
11. Delete	green spar buoy YA3		43 49 50.8 N 66 07 33.5 W
12. Reposition	red spar buoy YA2	from	43 49 51.3 N 66 07 36.1 W
		to	43 49 52.8 N 66 07 33.6 W
13. Amend	Y34 to read "Y26" against red light buoy		43 49 51.6 N 66 07 39.1 W
14. Delete	green can buoy Y35		43 49 53.1 N 66 07 43.2 W
15. Add	green can buoy, marked "Y27"		43 49 55.5 N 66 07 42 W
16. Amend	Y39 to read "Y29" against green can buoy		43 50 03.4 N 66 07 36.9 W
17. Amend	Y41 to read "Y31" against green can buoy		43 50 09.6 N 66 07 31.6 W
18. Delete	green spar buoy Y45		43 50 20.5 N 66 07 25.8 W
19. Delete	green spar buoy Y47		43 50 22 N 66 07 20.5 W
20. Delete	green can buoy Y37		43 49 59.8 N 66 07 39.2 W

NOTE: Digital data products 4245R/M, 76020(4245) and 76021(4245) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-019-023, 027-030, 036,041,042,050,051, 053-055)

***917 NOVA SCOTIA, SOUTHWEST COAST - YARMOUTH HARBOUR - Buoys.**

Chart (Last correction) - 4245(NAD 83)(1-17)(916/98)

1. Delete	red spar buoy Y8	43°48'05".3 N 66°08'36".6 W
2. Delete	red spar buoy Y10	43°48'19".7 N 66°08'36".5 W
3. Add	red spar buoy, marked "Y8"	43 48 21.5 N 66 08 37 W
4. Amend	Y12 to read "Y10" against red spar buoy	43 48 29.4 N 66 08 38.1 W
5. Amend	Y14 to read "Y12" against red light buoy	43 48 34 N 66 08 39.1 W
6. Amend	Y16 to read "Y14" against red spar buoy	43 48 41.5 N 66 08 39.1 W
7. Delete	green can buoy Y17	43 48 43.5 N 66 08 48.8 W
8. Amend	Y18 to read "Y16" against red spar buoy	43 48 44.5 N 66 08 38 W
9. Add	green spar buoy, marked "YC1"	43 48 48 N 66 08 49.5 W
10. Replace	east cardinal light buoy YC with a green lighted pillar buoy "QG", marked "Y17"	43 48 50.2 N 66 08 40.4 W
11. Delete	red spar buoy Y20	43 48 51.3 N 66 08 32.1 W
12. Add	red spar buoy, marked "YC2"	43 48 52 N 66 08 51 W
13. Add	green spar buoy, marked "YC3"	43 48 54 N 66 08 56.5 W
14. Delete	red spar buoy Y22	43 48 55.2 N 66 08 27.5 W
15. Add	red spar buoy, marked "Y18"	43 48 53 N 66 08 30 W
16. Delete	green can buoy Y21	43 48 59.3 N 66 08 29.3 W
17. Add	green can buoy, marked "Y19"	43 48 57 N 66 08 31 W

NOTE: Digital data products 4245R/M, 76020(4245) and 76021(4245) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-018, 024-026, 031-035, 043-047)

***916 NOVA SCOTIA, SOUTHWEST COAST - YARMOUTH HARBOUR AND CAPE FOURCHU - EAST CAPE - Buoys.**

Charts (Last correction) - 4245(NAD 83)(1,2,4)(783/93) - LC 4243(NAD 27)(1,2,4)(579/96) - LC 4230(NAD 83)(1,2,4)(410/96) - LC 4012(NAD 27)(3,4)(410/96) - LC 4011(NAD 83)(3,4)(106/98)

Reference: Notice 519(P)/98.

- | | | |
|------------|--|-----------------------------|
| 1. Replace | green light and bell buoy Y3 with a green light and whistle buoy "FI G", marked "Y3" | 43°46'57".3 N 66°09'29".8 W |
| 2. Delete | Fog Sig (3) 60s | 43°47'38".8 N 66°09'19".4 W |
| 3. Delete | Fog Sig | 43 47 38.8 N 66 09 19.4 W |
| 4. Add | radar transponder beacon and legend Racon | 43 47 38.8 N 66 09 19.4 W |

NOTE: Digital data products 4011R/M, 4012R/M, 4230R/M, 4243R/M, 4245R/M, 76018(4243), 76019(4011), 76020(4245), 76021(4245), 76044(4230), 76060(4243) and 76198(4012) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-009, 052, DFO-HQ98-037)

***949 ST. LAWRENCE RIVER - LES MÉCHINS - Shoal depths.**

Chart (Last correction) - 1230(Plan, Les Méchins)(NAD 27)(1-5)(509/98)

- | | | |
|------------|---------------------------------------|---------------------------|
| 1. Add | 6 feet | 49°00'19".5 N 66°58'29" W |
| 2. Add | 6 feet | 49 00 17.6 N 66 58 29.2 W |
| 3. Add | 3 feet | 49 00 14.3 N 66 58 26.2 W |
| 4. Add | drying height of 3 feet | 49 00 13.8 N 66 58 24 W |
| 5. Replace | 1 foot with a drying height of 1 foot | 49 00 15.6 N 66 58 31.1 W |

NOTE: Digital data products 1230R/M and 79056(1230) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-062)

***902 BAFFIN ISLAND - FROBISHER BAY - KOOJESSE INLET - Horizontal datum.**

Chart (Last correction) - 7127(Approaches to Koojesse Inlet)(1)(742/98)

- | | | |
|--------|------|---|
| 1. Add | note | right of Radar Reflectors Note (approx) |
|--------|------|---|

HORIZONTAL DATUM: Astronomic Datum. Position on NAD 83 or WGS 84 must be moved 7.1 seconds southward and 26.5 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE :
Système de référence astronomique. Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 7.1 secondes vers le Sud et de 26.5 secondes vers l'Ouest pour être en accord avec cette carte.

(AMA8035-10-35)

(DFO-C98-020)

***950 ST. LAWRENCE RIVER - BANC DE L'ÎLE ROUGE - ÎLE VERTE - Buoys.**

Chart (Last correction) - LC 1235(NAD 83)(1,2)(708/98)

- | | | |
|-----------|----------------------------------|-----------------------------|
| 1. Delete | red light and bell buoy H50 | 48°06'26".1 N 69°29'36".2 W |
| 2. Delete | East cardinal light buoy Blanche | 47 58 41.1 N 69 36 26.2 W |

NOTE: Digital data products 1235R/M and 79035(1235) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-044, DFO-Q98-063)

***951 ST. LAWRENCE RIVER - ROCHERS MARANDA - Buoy.**

Chart (Last correction) - 1317(Continuation A)(NAD 83)(1)(740/98)

- | | | |
|---------------|---------------------|------------------------------|
| 1. Reposition | red light buoy K156 | from 46°50'30" N 71°06'54" W |
| | | to 46 50 34.1 N 71 06 51.3 W |

NOTE: Digital data products 1317R/M and 79082(1317) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-045, DFO-Q98-064)

***911 ST. LAWRENCE RIVER - PORT SAINT-FRANÇOIS - Lights.**

Chart (Last correction) - 1313(NAD 83)(1,2)(514/98)

- | | | |
|----------|-------------------------------|-----------------------------|
| 1. Amend | FI Y 8m to read "FI Y 5s 10m" | 46°16'20".5 N 72°37'09".6 W |
| 2. Amend | FG 10m to read "FG 11m" | 46 16 16.5 N 72 37 10.9 W |

NOTE: Digital data products 1313R/M and 79014(1313) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(TC-L95-018, 021, DFO-Q98-055)

***947 ST. LAWRENCE RIVER - PORT DE SOREL - Shoal depth.**

Chart (Last correction) - 1312(Inset, Port de Sorel)(NAD 83)(1)(321/98)

- | | | |
|--------|-----------------------|---------------------------|
| 1. Add | 9 metres 3 decimetres | 46°03'35".3 N 73°06'03" W |
|--------|-----------------------|---------------------------|

NOTE: Digital data products 1312R/M and 79130(1312) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-060)

***912 ST. LAWRENCE RIVER - COURSE ÎLE SAINT-OURS - Shoal depths.**

Chart (Last correction) - 1338(NAD 27)(1-3)(746/98)

- | | | |
|--------|---------|-----------------------------|
| 1. Add | 14 feet | 45°54'14".1 N 73°13'00".3 W |
|--------|---------|-----------------------------|

- | | | |
|------------|----------------------|-----------------------------|
| 2. Replace | 34 feet with 28 feet | 45 57 01.8 N 73 12 49.6 W |
| 3. Replace | 27 feet with 26 feet | 45°56'45".3 N 73°12'36".9 W |

NOTE: Digital data products 1338R/M and 79010(1338) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-056)

***948 ST. LAWRENCE RIVER - CAP SAINT-MICHEL - Shoal depths.**

Chart (Last correction) - 1310(Compartment A-B)(NAD 83)(1,2)(744/98)

- | | | |
|--------|-----------------------|-----------------------------|
| 1. Add | 3 metres 1 decimetre | 45°43'13".9 N 73°25'42".5 W |
| 2. Add | 3 metres 8 decimetres | 45 43 18.6 N 73 25 37 W |

NOTE: Digital data products 1310R/M and 79001(1310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-061)

***919 ST. LAWRENCE RIVER - CANAL DE BEAUHARNOIS - Buoys.**

Chart (Last correction) - 1411(NAD 27)(1-11)(638/97)

Reference: Notice 593(P)/97.

- | | | |
|------------|----------------------|---------------------------|
| 1. Delete | yellow light buoy CA | 45°16'53" N 73°56'15" W |
| 2. Delete | red spar buoy C4 | 45 16 40 N 74 56 48 W |
| 3. Delete | yellow light buoy CD | 45 16 02 N 73 56 55 W |
| 4. Delete | yellow light buoy CE | 45 15 33.5 N 73 57 17.5 W |
| 5. Delete | green spar buoy C9 | 45 15 20 N 73 57 54 W |
| 6. Delete | red light buoy C10 | 45 14 39.5 N 73 59 06 W |
| 7. Delete | green spar buoy C15 | 45 13 57 N 74 00 03 W |
| 8. Delete | red spar buoy C16 | 45 14 02 N 74 00 08 W |
| 9. Delete | green spar buoy C17 | 45 13 50 N 74 00 20 W |
| 10. Delete | red spar buoy C18 | 45 13 55 N 74 00 23 W |
| 11. Delete | yellow light buoy CJ | 45 13 40 N 74 00 15 W |

NOTE: Digital data products 1411R/M, 73022(1411) and 73023(1411) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-003, DFO-C98-050)

***966 QUÉBEC - OTTAWA RIVER - Chart amendments.**

Chart - 1510(Sheet 2)(Compartment B-C)(Baie de Vaudreuil à/to Laval)(NAD 27)(1-3) - 1510(Sheet 1)
(Compartment A-B)(Carillon au Lac Saint-Louis)(NAD 27)(4)

1. Add	4 feet	45°28'27".1 N 73°59'33".3 W
2. Add	5 feet	45 28 05.5 N 74 01 12.9 W
3. Replace	3 feet with a drying height of 0 feet	45 27 56.9 N 74 01 44.1 W
4. Delete	red spar buoy HJ32	45 30 31 N 74 14 01 W

NOTE: Digital data product 1510R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-038)

***920 ST. LAWRENCE RIVER - CANAL DE BEAUHARNOIS - Buoys.**

Chart (Last correction) - 1411(NAD 27)(1-11)(919/98)

Reference: Notice 593(P)/97.

1. Delete	green light buoy C25	45°13'14" N 74°02'53" W
2. Delete	green light buoy C29	45 13 14.5 N 74 04 32 W
3. Replace	green spar buoy C31 with a green light buoy "FI G", marked "C31"	45 13 14.5 N 74 04 58 W
4. Delete	green spar buoy C35	45 13 14.5 N 74 05 28 W
5. Delete	red light buoy C34	45 13 20.8 N 74 05 07 W
6. Delete	yellow light buoy CM	45 13 18 N 74 07 12 W
7. Delete	red spar buoy C40	45 13 34 N 74 06 46 W
8. Delete	green spar buoy C41	45 13 28 N 74 06 49 W
9. Delete	red spar buoy C42	45 13 38 N 74 07 02 W
10. Delete	green spar buoy C43	45 13 33 N 74 07 04 W
11. Delete	red light buoy C44	45 13 52 N 74 08 06 W

NOTE: Digital data products 1411R/M, 73022(1411) and 73023(1411) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-003, 008, DFO-C98-053)

***921 ST. LAWRENCE RIVER - LAKE ST. FRANCIS - Buoys.**

Charts (Last correction) - 1412(NAD 27)(1-14)(656/97) - 1413(NAD 27)(12)(656/97)

Reference: Notice 593(P)/97.

1. Delete	yellow light buoy DA		45°13'48" N 74°13'36" W
2. Delete	yellow light buoy DH		45 13 55 N 74 14 20 W
3. Delete	yellow light buoy DD		45 13 11 N 74 15 30 W
4. Delete	yellow light buoy DJ		45 12 37 N 74 16 43 W
5. Delete	red light buoy D14		45 12 46 N 74 17 15 W
6. Delete	red spar buoy D16		45 12 39 N 74 17 34 W
7. Delete	red light buoy D20		45 11 44.2 N 74 18 36.5 W
8. Delete	red spar buoy D22		45 11 11.8 N 74 18 58 W
9. Delete	green light buoy D21		45 11 33.2 N 74 18 26 W
10. Delete	green spar buoy D29		45 09 16 N 74 22 10.5 W
11. Delete	green spar buoy D33		45 07 58 N 74 24 39 W
12. Delete	red light buoy D34/2		45 07 40 N 74 25 47 W
13. Reposition	red light buoy D8	from	45 13 42 N 74 13 25 W
		to	45 13 41 N 74 13 32.8 W
14. Reposition	green light buoy D13	from	45 12 36 N 74 17 07 W
		to	45 12 30 N 74 17 06 W

NOTE: Digital data products 1412R/M, 1413R/M, 73028(1412), 73029(1413) and 73030(1413) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-004, 008, DFO-C98-052)

***944 ST. LAWRENCE RIVER - LAKE ST. FRANCIS - Light.**

Chart (Last correction) - 1413(NAD 27)(1)(937/98)

Reference: Notice 593(P)/97.

1. Delete	light		45°03'20" N 74°32'57" W
-----------	-------	--	-------------------------

NOTE: Digital data products 1413R/M, 73029(1413) and 73030(1413) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-14)

(CCG-B98-009, DFO-C98-084)

***937 ST. LAWRENCE RIVER - LAKE ST. FRANCIS - Buoys.**

Charts (Last correction) - 1413(NAD 27)(1-11)(10)(921/98) - 1413(Inset, Cornwall)(NAD 27)(10)(921/98) - 1414(NAD 27)(10) (714/98)

Reference: Notice 593(P)/97.

1. Delete	green light buoy D73	45°02'34" N 74°34'28" W
2. Delete	green light buoy D87	45 01 27 N 74 38 22 W
3. Delete	red spar buoy D86	45 01 38 N 74 38 10 W
4. Add	red light buoy "FI R" marked "D86"	45 01 37.2 N 74 38 13 W
5. Delete	yellow spar buoy DP	45 01 58 N 74 37 20.5 W
6. Delete	green light buoy D89	45 01 02 N 74 39 20.5 W
7. Delete	red spar buoy 2A	45 00 15 N 74 40 20 W
8. Delete	red spar buoy DC2	45 01 19 N 74 39 05 W
9. Delete	green spar buoy DC3	45 01 13 N 74 39 23 W
10. Delete	green light buoy DC13	45 00 44.5 N 74 42 44.5 W
11. Amend	FI R to read "QR" against red light buoy D74	45 02 39.5 N 74 34 36 W

NOTE: Digital data products 1413R/M, 1414R/M, 73029(1413), 73030(1413) and 73031(1414) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-005, 008, DFO-C98-055)

***960 ST. LAWRENCE RIVER- ÎLE SAINT-RÉGIS - Buoy.**

Chart (Last correction) - 1413(NAD 27)(1)(944/98)

1. Delete	red light buoy D88	45°01'24".3 N 74°38'41" W
-----------	--------------------	---------------------------

NOTE: Digital data products 1413R/M, 73029(1413) and 73030(1413) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-005F, DFO-C98-093)

***938 ST. LAWRENCE SEAWAY - MORRISBURG TO CROIL ISLANDS - Buoys.**

Chart (Last correction) - 1434(Compartment A-B)(NAD 83)(1-5,7)(New Chart March/96) - 1434(Compartment B-C)(NAD 83)(4-6)(New Chart March/96)

Reference: Notice 593(P)/97.

1. Delete	yellow spar buoy XB	44°56'40".2 N 75°02'38.7" W
2. Delete	yellow spar buoy XD	44°56'06".2 N 75°03'54".7 W
3. Delete	red light buoy 80	44 54 34.7 N 75 08 36 W
4. Delete	yellow light spar buoy XE	44 53 46.5 N 75 09 46.5 W

- | | | | |
|---------------|---------------------|------|---------------------------|
| 5. Delete | yellow spar buoy XH | | 44 53 46.2 N 75 09 55.8 W |
| 6. Delete | red light buoy 106 | | 44 50 53 N 75 17 26 W |
| 7. Reposition | red light buoy 84 | from | 44 53 54 N 75 09 27 W |
| | | to | 44 53 48 N 75 09 43 W |

NOTE: Digital data products 1434R/M and 73111(1434) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-006, 008, DFO-C98-056)

***942 ST. LAWRENCE SEAWAY - CROIL ISLAND - Lights.**

Charts (Last correction) - 1434(Compartment B-C)(NAD 83)(1,2)(New Chart March/96) - 1435(Continuation A-B)(NAD 83)(3,4)(941/98) - 1435(Inset, Prescott/Ogdensburg)(NAD 83)(4)(941/98)

Reference: Notice 593(P)/97.

- | | | | |
|-----------|-------|--|---------------------------|
| 1. Delete | light | | 44°50'12".3 N 75°18'35" W |
| 2. Delete | light | | 44 49 20 N 75 19 14.5 W |
| 3. Delete | light | | 44 44 34 N 75 26 51 W |
| 4. Delete | light | | 44 43 54 N 75 28 24 W |

NOTE: Digital data products 1434R/M, 1435R/M, 73033(1435), 73111(1434), 73112(1435) and 73113(1435) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-14)

(CCG-B98-010, DFO-C98-081)

***940 ST. LAWRENCE RIVER -CARDINAL TO WHALEBACK SHOAL - Buoys.**

Chart (Last correction) - 1435(Continuation A-B)(NAD 83)(1,2)(541/97) - 1435(Inset, Brockville Narrows)(NAD 83)(3,4)(541/97) - 1435(Inset, Prescott/Ogdensburg)(NAD 83)(2)(541/97)

Reference: Notice 593(P)/97.

- | | | | |
|------------|--|--|-------------------------|
| 1. Delete | red light buoy 130 | | 44°44'36" N 75°26'36" W |
| 2. Replace | red light buoy 132A with a red spar buoy marked "132A" | | 44 44 07 N 75 27 56 W |
| 3. Delete | green light buoy 139A | | 44 34 13 N 75 41 58.8 W |
| 4. Delete | red light buoy 140 | | 44 34 17.1 N 75 42 02 W |

NOTE: Digital data products 1435R/M, 73033(1435), 73112(1435) and 73113(1435) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-007B, 008, DFO-C98-060)

***943 ST. LAWRENCE RIVER - WHALEBACK SHOAL - Lights.**

Charts (Last correction) - 1435(Continuation B-C)(NAD 83)(1,2)(942/98) - 1436(NAD 83)(2)(941/98)

Reference: Notice 593(P)/97.

- | | | |
|-----------|-------|---------------------------|
| 1. Delete | light | 44°35'41".3 N 75°39'51" W |
| 2. Delete | light | 44 31 46 N 75 45 16.9 W |

NOTE: (1) Light structures remain in advertised positions.
 (2) Digital data products 1435R/M, 1436R/M, 73033(1435), 73035(1436), 73112(1435) and 73113(1435) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-12)

(CCG-B98-011, 012, DFO-C98-083)

***941 ST. LAWRENCE RIVER - WHALEBACK SHOAL TO SUMMERLAND GROUP - Buoys.**

Charts (Last correction) - 1435(Continuation B-C)(NAD 83)(1-3)(940/98) - 1436(NAD 83)(1-3)(300/96)

Reference: Notice 593(P)/97.

- | | | |
|-----------|----------------------|---------------------------|
| 1. Delete | red spar buoy P68 | 44°31'31" N 75°45'31".5 W |
| 2. Delete | yellow light buoy PC | 44 31 08 N 75 46 29 W |
| 3. Delete | yellow light buoy PE | 44 30 21 N 75 47 07 W |

NOTE: Digital data products 1435R/M, 1436R/M, 73033(1435), 73035(1436), 73112(1435) and 73113(1435) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-007, DFO-C98-064)

***945 ST. LAWRENCE SEAWAY - WOLFE ISLAND - Lights.**

Charts (Last correction) - 1438(NAD 83)(1)(601/97) - 1439(NAD 83)(2,3)(601/97)

Reference: Notice 593(P)/97.

- | | | |
|-----------|-------|-----------------------------|
| 1. Delete | light | 44°12'26".6 N 76°14'18".1 W |
| 2. Delete | light | 44 08 07.4 N 76 21 14.7 W |
| 3. Delete | light | 44 07 29.9 N 76 23 12 W |

NOTES: (1) Light structures remain in advertised positions.

(2) Digital data products 1438R/M, 1439R/M, 73025(1438) and 73036(1439) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-013, 014, DFO-C98-065)

***905 LAKE ONTARIO - OSHAWA - Buoys.**

Charts (Last correction) - LC 2058(1,2)(748/98) - LC 2077(NAD 83)(1,2)(747/98)

- | | | |
|-----------|---------------------------------|-------------------------|
| 1. Delete | white and orange spar buoy Priv | 43°50'56" N 78°50'00" W |
|-----------|---------------------------------|-------------------------|

2. Add yellow spar buoy marked "Priv" 43 50 58.8 N 78 49 35 W

NOTE: Digital data products 2058R/M, 2077R/M, 73064(2058) and 73091(2077) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-044)

***907 LAKE ONTARIO - MIMICO - Buoys.**

Charts (Last correction) - LC 2077(NAD 83)(1-5)(905/98) - 2086(NAD 83)(6-9)

1. Reposition green spar buoy from 43°36'33" N 79°29'07" W
to 43 36 36 N 79 29 05 W

2. Add "Priv" 43 36 36 N 79 29 05 W

3. Reposition red spar buoy from 43 35 20 N 79 29 12 W
to 43 35 24 N 79 29 15 W

4. Add "Priv" 43 35 24 N 79 29 15 W

5. Add "Priv" 43 35 05 N 79 32 27 W (approx)

6. Reposition green spar buoy from 43 36 33 N 79 29 03 W
to 43 36 36 N 79 29 05 W

7. Add "Priv" 43 36 36 N 79 29 05 W

8. Reposition red spar buoy from 43 35 24 N 79 29 10 W
to 43 35 24 N 79 29 15 W

9. Add "Priv" 43 35 24 N 79 29 15 W

NOTE: Digital data products 2077R/M, 2086R/M, 73048(2086) and 73091(2077) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-048)

***953 UNITED STATES - LAKE ERIE - DUNKIRK - VAN BUREN POINT - Buoy.**

Chart (Last correction) - LC 2120(NAD 27)(1)(508/98)

1. Add yellow light buoy, "FI Y" 42°26'42" N 79°30'10" W

NOTE: Digital data products 2120R/M and 73093(2120) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-045)

***901 LAKE HURON - GEORGIAN BAY - FORAGE ISLAND TO NORTHWEST PINE ISLAND - Results of survey.**

Chart (Last correction) - 2289(1-16)(71698)

1. Add	1 fathom	45°07'26" N 80°09'38" W
2. Add	rock with elevation of (10) feet	45 07 31.7 N 80 08 19.5 W
3. Delete	5 fathoms	45 06 55 N 80 09 23 W (approx)
4. Add	1 1/2 fathoms	45 06 52.1 N 80 09 23.4 W
5. Delete	4 1/4 fathoms	45 06 04 N 80 08 39 W (approx)
6. Add	3 1/2 fathoms	45 06 03.3 N 80 08 37.9 W
7. Add	1/2 fathom	45 03 14.4 N 80 04 23.1 W
8. Add	1 fathom	45 03 20.1 N 80 02 44.5 W
9. Add	rock with elevation of (6) feet	45 03 20.5 N 80 01 57.2 W
10. Add	1/2 fathom	45 02 56.5 N 80 03 35.5 W
11. Delete	1 1/4 fathoms	45 02 32 N 80 04 02 W (approx)
12. Add	1/2 fathom	45 02 29.2 N 80 04 04.1 W
13. Add	1 1/4 fathoms	45 02 10.5 N 80 02 30.4 W
14. Add	1 3/4 fathoms	45 02 02.8 N 80 02 32.6 W
15. Add	3 3/4 fathoms	45 01 04.3 N 80 04 25 W
16. Add	1 1/2 fathoms	45 00 47.2 N 80 01 49 W

NOTE: Digital data product 73047(2289) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-008)

***908 LAKE HURON - GEORGIAN BAY - WESTERN ISLANDS - Results of survey.**

Chart (Last correction) - 2289(1-9)(901/98)

1. Delete	9 fathoms	45°05'28" N 80°19'01" W (approx)
2. Add	2 1/2 fathoms	45 05 28.4 N 80 19 00 W
3. Delete	9 fathoms	45 05 01 N 80 18 33 W (approx)
4. Add	2 1/4 fathoms	45 05 02.5 N 80 18 30.7 W
5. Add	1/2 fathom	45 02 52.4 N 80 19 48.7 W
6. Delete	2 1/2 fathoms	45 02 41 N 80 19 58 W (approx)
7. Add	1/2 fathom	45 02 38.2 N 80 19 56 W
8. Delete	9 fathoms	45 02 18 N 80 20 58 W (approx)

9. Add 3/4 fathom 45 02 19.4 N 80 20 56.6 W

NOTE: Digital data product 73047(2289) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-009)

***906 LAKE HURON - GODERICH - Radiobeacon.**

Chart (Last correction) - 2261(NAD 27)(1)(715/98)

1. Amend RC to read "Aero RC" 43°44'46".5 N 81°43'49".9 W (approx)

NOTE: Digital data products 2261R/M and 73143(2261) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-046)

***959 LAKE HURON - GEORGIAN BAY - MCBEAN CHANNEL - Daybeacon.**

Charts (Last correction) - 2257(NAD 27)(1)(525/98) - 2299(NAD 27)(1)(525/98)

1. Add starboard daybeacon 46°07'00" N 82°12'15" W

NOTE: Digital data products 2257R/M, 2299R/M, 73044(2257) and 73059(2299) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-015)

***904 LAKE ERIE - WEST TWO CREEKS - Light.**

Chart (Last correction) - LC 2100(NAD 27)(1)(508/98)

1. Delete light 42°04'28" N 82°27'00" W

NOTE: Digital data products 2100R/M and 73094(2100) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-037)

***928 LAKE SUPERIOR - COPPERMINE POINT TO CAPE GARGANTUA - Horizontal datum.**

Chart (Last correction) - 2307(U.S. STANDARD)(563/93)

1. Amend note to read 47°26'23" N 84°38'00" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.65 seconds northward and 0.88 seconds eastward to agree with this chart.

NOTE: Digital data products 2307R/M and 73110(2307) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-030)

***930 LAKE SUPERIOR -CAPE GARGANTUA TO OTTER HEAD - Horizontal datum.**

Chart (Last correction) - LC 2309(U.S. STANDARD)(1)(51/96)

1. Amend note to read 48°00'24" N 85°35'00" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.69 seconds northward and 0.85 seconds eastward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système U.S. Standard. Les positions rapportées au NAD 83 ou WGS 84 doivent être corrigées de 0.69 seconde vers le Nord et de 0.85 seconde vers l'Est pour être en accord avec cette carte.

NOTE: Digital data products 2309R/M and 73086(2309) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-032)

***936 LAKE SUPERIOR - HARBOURS OF THE EAST SHORE OF LAKE SUPERIOR - Horizontal datum.**

Chart (Last correction) - 2315(Plan, Québec Harbour)(NAD 27)(1)(567/96) - 2315(Plan, Michipicoten Harbour)(NAD 27)(2)(567/96) - 2315(Plan, Gargantua Harbour)(NAD 27)(3)(567/96) - 2315(Plan, Goulais Mission)(NAD 27)(4)(567/96) - 2315(Plan, Mamainse Harbour)(NAD 27)(5)(567/96) - 2315(Plan, Sinclair Cove)(NAD 27)(6)(567/96) - 2315(Plan, Michipicoten River)(NAD 27)(7)(567/96)

1. Add note North of chart border at 85°46'26" W (approx.)(Québec Harbour Compartment)

QUÉBEC HARBOUR

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.68 seconds northward and 0.84 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence U.S. Standard Datum. Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.68 seconde vers le Nord et de 0.84 seconde vers l'Ouest pour être en accord avec cette carte.

2. Amend note to read Below title block.

MICHIPICOTEN HARBOUR

HORIZONTAL DATUM: North American Datum 1927 (NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.19 seconds northward and 0.12 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence géodésique de l'Amérique du Nord 1927 (NAD 27). Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.19 seconde vers le Nord et de 0.12 seconde vers l'Ouest pour être en accord avec cette carte.

3. Add

note

North of chart border at 84°57'18" W (approx.)(Gargantua Harbour Compartment)

GARGANTUA HARBOUR

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.65 seconds northward and 0.90 seconds eastward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence U.S. Standard. Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.65 seconde vers le Nord et de 0.90 seconde vers l'Est pour être en accord avec cette carte.

4. Amend

note to read

Below title block.

GOULAIS MISSION

HORIZONTAL DATUM: North American Datum 1927 (NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.12 seconds southward and 0.14 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence géodésique de l'Amérique du Nord 1927 (NAD 27). Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.12 seconde vers le Sud et de 0.14 seconde vers l'Ouest pour être en accord avec cette carte.

5. Amend note to read Below title block.

MAMAINSE HARBOUR

HORIZONTAL DATUM: North American Datum 1927 (NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.07 seconds southward and 0.14 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence géodésique de l'Amérique du Nord 1927 (NAD 27). Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.07 seconde vers le Sud et de 0.14 seconde vers l'Ouest pour être en accord avec cette carte.

6. Amend note to read Below title block.

SINCLAIR COVE

HORIZONTAL DATUM: North American Datum 1927 (NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.13 seconds southward and 0.15 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence géodésique de l'Amérique du Nord 1927 (NAD 27). Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.13 seconde vers le Sud et de 0.15 seconde vers l'Ouest pour être en accord avec cette carte.

7. Amend note to read Above Water Table Note at 84°50'56" W (approx.) (Michipicoten River Compartment)

MICHIPICOTEN RIVER

HORIZONTAL DATUM: North American Datum 1927 (NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.15 seconds southward and 0.26 seconds westward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système de référence géodésique de l'Amérique du Nord 1927 (NAD 27). Les positions rapportées au

NAD 83 ou au WGS 84 doivent être corrigées de 0.15 seconde vers le Sud et de 0.26 seconde vers l'Ouest pour être en accord avec cette carte.

NOTE: Digital data products 2315R/M, 73137(2315), 73139(2315) and 73142(2315) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-042)

***932 LAKE SUPERIOR - CARIBOU ISLAND TO MICHIPICOTEN ISLAND - Horizontal datum.**

Chart (Last correction) - 2310(U.S. STANDARD)(1)(51/96)

1. Amend note to read 47°11'30" N 85°53'00" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.67 seconds northward and 0.86 seconds eastward to agree with this chart.

NOTE: Digital data products 2310R/M and 73087(2310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-038)

***929 LAKE SUPERIOR - MICHIPICOTEN ISLAND TO OISEAU BAY - Horizontal datum.**

Chart (Last correction) - 2308(U.S. STANDARD)(1)(563/93)

1. Amend note to read 48°10'18" N 85°55'00" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.70 seconds northward and 0.86 seconds eastward to agree with this chart.

NOTE: Digital data products 2308R/M and 73072(2308) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-031)

***903 LAKE SUPERIOR - HERON BAY - PROSPECT COVE - Horizontal datum.**

Chart (Last correction) - 2318(U.S. STANDARD)(1)(864/89)

1. Add note 48°37'17" N 86°18'45" W (approx)

HORIZONTAL DATUM: US

Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.52 seconds northward and 1.24 seconds eastward to agree with this chart.

NOTE: Digital data product 2318R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-021)

***927 LAKE SUPERIOR - PENINSULA HARBOUR AND PORT MUNRO - Horizontal datum.**

Chart (Last correction) - 2306(U.S. STANDARD)(1)(563/93)

1. Amend note to read 48°45'21" N 86°23'42" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.67 seconds northward and 1.19 seconds eastward to agree with this chart.

NOTE: Digital data products 2306R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-028)

***926 LAKE SUPERIOR - OISEAU BAY TO JACKFISH BAY - Horizontal datum.**

Chart (Last correction) - 2304(U.S. STANDARD)(1)(563/93)

1. Amend note to read 48°47'33" N 86°32'57" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.62 seconds northward and 1.06 seconds eastward to agree with this chart.

NOTE: Digital data products 2304R/M and 73067(2304) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-027)

***922 LAKE SUPERIOR - JACKFISH BAY - Horizontal datum.**

Chart (Last correction) - 2305(ASTRONOMIC)(1)(563/93)

1. Amend note to read 48°47'36" N 86°57'06" W (approx.)

HORIZONTAL DATUM: Astronomic Datum. Positions on NAD 83 or WGS 84 must be moved 3.04 seconds southward and 0.86 seconds westward to agree with this

chart.

(AMA8035-10-35)

(DFO-C98-022)

***925 LAKE SUPERIOR - JACKFISH BAY TO ST. IGNACE ISLAND - Horizontal datum.**

Chart (Last correction) - 2303(U.S. STANDARD)(1)(238/97)

1. Amend note to read 48°50'15" N 87°07'30" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.73 seconds northward and 0.82 seconds eastward to agree with this chart.

NOTE: Digital data products 2303R/M and 73066(2303) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-026)

***931 LAKE SUPERIOR - NIPIGON BAY AND APPROACHES - Horizontal datum.**

Chart (Last correction) - 2312(U.S. STANDARD)(1)(598/97) - 2312(Inset, Red Rock)(U.S. STANDARD)(2,3)(598/97)

1. Amend note to read 48°55'55" N 87°34'59" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 and WGS 84 must be moved 0.82 seconds northward and 0.76 seconds eastward to agree with this chart.

SYSTÈME GÉODÉSIQUE: Système U.S. Standard. Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.82 seconde vers le Nord et de 0.76 seconde vers l'Est pour être en accord avec cette carte.

2. Delete INSET - RED ROCK Note
CARTOUCHE - RED ROCK 48 54 55 N 87 34 59 W (approx)

3. Add INSET - RED ROCK at 48°42'00" N (approx.) outside west border of chart beside Red Rock inset.

HORIZONTAL DATUM: North American Datum 1927 (NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.18 seconds southward and 0.05 seconds eastward to agree with this chart.

CARTOUCHE - RED ROCK

SYSTÈME GÉODÉSIQUE:
Système géodésique de l'Amérique
du Nord 1927 (NAD 27). Les
positions rapportées au NAD 83 ou
au WGS 84 doivent être corrigées
de 0.18 seconde vers le Sud et de
0.05 seconde vers l'Est pour être en
accord avec cette carte.

NOTE: Digital data products 2312R/M, 73062(2312) and 73120(2312) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-034)

***924 LAKE SUPERIOR - ST. IGNACE TO PASSAGE ISLAND - Horizontal datum.**

Chart (Last correction) - LC 2302(U.S. STANDARD)(1)(563/93)

1. Amend note to read 48°39'30" N 88°13'30" W (approx)

HORIZONTAL DATUM: U.S.
Standard Datum. Positions on NAD
83 or WGS 84 must be moved 0.81
seconds northward and 0.72
seconds eastward to agree with this
chart.

SYSTÈME GÉODÉSIQUE:
Système U.S. Standard. Les
positions rapportées au NAD 83 ou
au WGS 84 doivent être corrigées
de 0.81 seconde vers le Nord et de
0.72 seconde vers l'Est pour être en
accord avec cette carte.

NOTE: Digital data products 2302R/M and 73068(2302) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-024)

***934 LAKE SUPERIOR - BLACK BAY - Horizontal datum.**

Chart (Last correction) - 2313(U.S. STANDARD)(1)(887/93)

1. Amend note to read 48°34'00" N 88°25'00" W (approx)

HORIZONTAL DATUM: U.S.
Standard Datum. Positions on NAD
83 or WGS 84 must be moved 0.86
seconds northward and 1.03
seconds eastward to agree with this
chart.

NOTE: Digital data product 73146(2313) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-040)

***923 LAKE SUPERIOR - PASSAGE ISLAND TO THUNDER BAY - Horizontal datum.**

Chart (Last correction) - LC 2301(U.S. STANDARD)(1,2)(599/97)

1. Amend note to read 48°29'42" N 88°45'54" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.82 seconds northward and 0.64 seconds eastward to agree with this chart.

2. Amend note to read 48 26 28.8 N 88 45 54 W (approx)

SYSTÈME GÉODÉSIQUE :
Système U.S. Standard. Les positions rapportées au NAD 83 ou au WGS 84 doivent être corrigées de 0.82 seconde vers le Nord et de 0.64 seconde vers l'Est pour être en accord avec cette carte.

NOTE: Digital data products 2301R/M and 73070(2301) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-023)

***933 LAKE SUPERIOR - THUNDER CAPE TO PIGEON RIVER - SISKIWIT BAY - Horizontal datum.**

Chart (Last correction) - 2311(U.S. STANDARD)(1)(599/97)

1. Add note 47°53'30" N 88°48'00" W (approx)

HORIZONTAL DATUM: U.S. Standard Datum. Positions on NAD 83 or WGS 84 must be moved 0.75 seconds northward and 0.60 seconds eastward to agree with this chart.

NOTE: Digital data products 2311R/M and 73065(2311) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-039)

***935 LAKE SUPERIOR - PORT OF THUNDER BAY - Horizontal datum.**

Chart (Last correction) - 2314(U.S. STANDARD)(1)(539/97)

1. Amend note to read South of border at 89°13'56" W

HORIZONTAL DATUM: North American Datum 1927(NAD 27). Positions on NAD 83 or WGS 84 must be moved 0.15 seconds

southward and 0.21 seconds
eastward to agree with this chart.

SYSTÈME GÉODÉSIQUE:
Système de référence géodésique
de l'Amérique du Nord 1927 (NAD
27). Les positions rapportées au
NAD 83 ou au WGS 84 doivent être
corrigées de 0.15 seconde vers le
Sud et de 0.21 seconde vers l'Est
pour être en accord avec cette
carte.

NOTE: Digital data products 2314R/M, 73014(2314), 73015(2314), 73016(2314) and 73017(2314) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-041)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Arctic Canada, Volume 3, Fifth Edition, 1994 —

Page ix — Paragraph 4, line 3 Delete: and Atlantic Coast	(P13/98)
Page xiv — Paragraph 5, line 2 Delete: and Atlantic Coast	(P13/98)
Page 8 — Paragraph 161, line 1 Delete: (1828) Replace by: (2500)	(P13/98)
Page 9 — Paragraph 188, line 1 Delete: (1816.4) Replace by: (2503)	(P13/98)
Page 10 — Paragraph 228, line 1 Delete: (1824) Replace by: (2516)	(P13/98)
Page 11 — Paragraph 257, line 1 Delete: (1817, 1818) Replace by: (2507, 2508)	(P13/98)
Page 11 — Paragraph 259, line 1 Delete: (1816.7) Replace by: (2506)	(P13/98)
Page 11 — Paragraph 260, line 1 Delete: (1819) Replace by: (2509)	(P13/98)
Page 14 — Paragraph 261, line 1 Delete: (1820, 1821) Replace by: (2510, 2511)	(P13/98)
Page 14 — Paragraph 262, line 1 Delete: (1822, 1823) Replace by: (2514, 2515)	(P13/98)
Page 14 — Paragraph 263, line 1 Delete: (1821.2, 1821.3) Replace by: (2512, 2513)	(P13/98)
Page 16 — Paragraph 318, line 1 Delete: (1824.3) Replace by: (2517)	(P13/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 16 — Paragraph 330, line 1

Delete: (1824.5)

Replace by: (2518)

(P13/98)

Page 93 — Paragraph 84, line 1

Delete: (1475.1, 1475.2)

Replace by: (2520, 2521)

(P13/98)

Page 93 — Paragraph 85, line 1

Delete: (1475.3, 1475.4)

Replace by: (2522, 2523)

(P13/98)

Page 93 — Paragraph 86, line 1

Delete: (1475.5, 1475.6)

Replace by: (2524, 2525)

(P13/98)

Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 132 — After paragraph 4

Insert: 4.1 A **light** (279) is shown at an elevation of 137 feet (41.8 m) from a red and white tower, 22 feet (6.7 m) high, on the east side of the islands.

(N20/98)

Page 193 — Paragraph 426, lines 7 and 8

Delete: 18 feet (5.5 m)

Replace by: 19 feet (5.8 m)

(N21/98)

Page 193 — Paragraph 427, line 3

Delete: 21 feet (6.4 m)

Replace by: 20 feet (6.1 m)

(N21/98)

Gulf of St. Lawrence, First Edition, 1992 —

Page 49 — Cancel **MILLERAND**Diagram

Replace by new diagram attached at the end of **Section IV** of this Monthly Edition.

(L23/98)

Page 121 — Paragraph 4.3.2 (Re: correction promulgated in Monthly Edition No. 1/98)

Delete: Passenger ships — 32 600 tons displacement

Replace by: Passenger ships — 33 500 tons displacement

Page 121 — Paragraph 4.10, line 3 (Re: correction promulgated in Monthly Edition No. 1/98)

Delete: piers P3 - P4

Replace by: piers P3 - P5

Page 130 — Paragraph 105, last line

Add: A light is situated at the outer end of each pier arm.

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 130 — Delete paragraphs 106, 107 and 108.

Page 136 — Paragraph 163, lines 3 to 5
Delete: "A **fog** ... 208°."

Pages 136 and 138 — Delete paragraph 164.

Page 136 — Paragraph 156, line 4 - after "West face"
Insert: — see SHOALING Note on chart

Nova Scotia (Atlantic Coast) and Bay of Fundy, First Edition, 1990 —

Page 220 — Paragraph 11, lines 2 to 5
Delete: "Vessels ... Point."
Replace by: LaHave River is subject to silting. Mariners are
cautioned that depths may be less than those charted —
see SHOALING Note on chart.

Page 220 — Delete paragraph 14.

Page 257 — Paragraph 123, lines 3 to 6
Delete: "A **fog**" to end of paragraph.
Replace by: A **racon**, Morse Code identification B (— ●●), operates from this light.

ATL 101 — Newfoundland — Northeast and East Coasts, First Edition, 1997 —

Page 4 — Paragraph 37, line 6 - after "white"
Insert: and green

Page 48 — Before paragraph 310
Delete: 4599
Replace by: 4865 (N18/98)

Page 48 — Before paragraph 323
Insert: *Charts 4596, 4865* (N18/98)

Page 48 — After paragraph 324
Insert: 324.1 The head of **Foulke Cove** on the east side of St. John's Bay is encumbered with rocks to about 0.2 mile from its head. A shoal with a least depth of 1 foot (0.3 m) is located 0.8 mile west of the south entrance point to the cove. The north entrance point to Foulke Cove has a reef extending 0.2 mile SW from its north entrance point; caution is advised. (N18/98)

Page 49 — Top left column, after "4596"
Add: 4865 (N18/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Page 49 — Before paragraph 329
 Insert: *Chart 4596* (N18/98)
- Page 54 — Before paragraph 396
 Page 55 — Top left column
 Delete: 4599
 Replace by: 4865 (N18/98)
- Page 55 — Paragraph 402, line 6 - after "island"
 Insert: Numerous drying rocks and shoals
- Page 55 — Before paragraph 403
 Delete: 4520
 Replace by: 4865 (N18/98)
- Page 55 — Paragraph 403, last line (Re: correction promulgated in Monthly Edition No. 4/97)
 Delete: A **submarine cable** crosses
 Replace by: Two **submarine cables** cross (N18/98)
- Page 55 — After paragraph 405
 Insert: 405.1 A channel with depths of 3 to 8 feet
- Page 55 — Before paragraph 406
 Delete: *Chart 4599* (N18/98)
- Page 55 — Before paragraph 409, after "4598"
 Page 56 — Top left column, after "4598"
 Add: 4865 (N18/98)
- Page 56 — Paragraph 413, lines 2 and 3
 Delete: "has ... mid-channel."
 Replace by: has four shoals and a small islet with an elevation of 7 feet (2 m) near mid-channel. Camel Island Passage (Camel Passage) close SW of these shoals has a least depth of 49 feet (14.9 m). (N18/98)
- Page 56 — Paragraph 415, last line
 Add: An isolated shoal with a least depth of 49 feet (14.9 m).

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Page 56 — Before paragraph 417
 Page 56 — Before paragraph 419
 Delete: 4599
 Replace by: 4865 (N18/98)
- Page 56 — Paragraph 422, line 5
 Delete: 11 feet (3.4 m)
 Replace by: 10 feet (3.1 m) (N18/98)
- Page 56 — Paragraph 422, line 9
 Delete: 6 feet (1.8 m)
 Replace by: 5 feet (1.5 m) (N18/98)
- Page 56 — Paragraph 423, line 2
 Delete: 5 feet (1.5 m)
 Replace by: 3 feet (1 m) (N18/98)
- Page 56 — Paragraph 424, line 1
 Delete: 20 feet (6.1 m)
 Replace by: 16 feet (5 m) (N18/98)
- Page 56 — Paragraph 424, last line
 Add: Another shoal with a least depth
- Page 56 — Paragraph 427, lines 1 and 2
 Delete: an elevation of 10 feet (3 m)
 Replace by: elevations of 20 and 30 feet (6 and 9 m) (N18/98)
- Page 57 — Top left column
 Page 57 — Paragraph 437, line 4
 Delete: 4599
 Replace by: 4865 (N18/98)
- Page 57 — Before paragraph 435
 Delete: *Chart 4526* (N18/98)
- Page 57 — Paragraph 436, lines 3 and 4
 Delete: "from ... (*chart 4599*)"
 Replace by: drawn in a 088°/268° direction and intersecting an arc
 drawn 0.13 mile from the south end of Rice Island. (N18/98)
- Page 57 — Paragraph 441, line 3
 Delete: 5.2 m
 Replace by: 5.1 m (N18/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 58 — Top left column

Delete: 4526

Replace by: 4865

(N18/98)

Page 58 — Paragraph 441, lines 5 and 6

Delete: 25 feet (7.6 m)

Replace by: 26 feet (7.8 m)

(N18/98)

Page 58 — Paragraph 442, line 4

Delete: 7 to 11 feet (2.1 to 3.4 m)

Replace by: 7 to 14 feet (2 to 4.4 m)

(N18/98)

Page 58 — Paragraph 444, line 2

Delete: (9.1 m)

Replace by: (9.2 m)

(N18/98)

Page 58 — Paragraph 445, line 4

Delete: (4 m)

Replace by: (3.9 m)

(N18/98)

Page 58 — Paragraph 445, line 6

Delete: (3.7 m)

Replace by: (3.6 m)

(N18/98)

Page 62 — Paragraph 505, line 2

Delete: 24

Replace by: 12

(N18/98)

Page 113 — **INDEX**, after "Fortune Harbour (settlement), 45"

Insert: Foulke Cove, 48

(N18/98)

ATL 102 — Newfoundland — East and South Coasts, First Edition, 1995 —

Page 11 — Paragraph 128, line 4

Delete: 15

Replace by: 12

(N19/98)

Page 11 — Paragraph 128, line 7

Delete: 15

Replace by: 9

(N19/98)

Page 14 — Paragraph 147, lines 3 to 5

Delete: "30 m ... 1991."

Replace by: 28 m (92 ft) long with a bent outer end. There is a depth of 3.3 m (11 ft) alongside a 5 m (16 ft) wide outer end.

(N19/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 31 — Paragraph 302, line 7 - after "length."

Add: Fresh water is available from the adjacent fish plant.

(N19/98)

Page 31 — Paragraph 303, lines 3 to 12

Delete: "The harbour ... entrance."

Replace by: The harbour is protected from the east by a stone breakwater which extends about 0.2 mile SSW of **Dawes Head**. An additional 80 m (262 ft) long section of stone breakwater has been built over a reef drying 1.3 m (4 ft) extending from the extreme SW end of the existing breakwater. The previous harbour entrance close south of Dawes Head has been closed with armour stone. The new harbour entrance about 45 m (148 ft) wide is located between the extreme SW end of the breakwater and the mainland close west. Depths of 4.4 m (14 ft) are reported in mid-channel leading into the harbour. A rock drying 0.6 m (2 ft), lies about 150 m (492 ft) east of Dawes Head. A rocky ledge, least depth 1 m (3 ft) and marked by **abuo**y lies about 270 m (886 ft) south of Dawes Head.

(N19/98)

Page 31 — Paragraph 304

Cancel deletion of pictograph promulgated in Monthly Edition No. 3/98.

Insert: 304 **Lights** (486.1, 486.2) are each shown from a mast on the extreme south end of the previously mentioned breakwater addition and the north end of a rock, elevation 3 m (10 ft), situated close west. **Lights** (487.1, 487.2) located close NNE of the previous lights and marking the entrance to the channel leading into the harbour are each shown from a 1.2 m (4 ft) high mast.

(N19/98)

Page 32 — Paragraph 305, line 1

Delete: Opposite the harbour entrance

Replace by: Near the NW end of the harbour there

(N19/98)

Page 32 — Paragraph 306, lines 4 and 5

Delete: "A fish ... harbour."

(N19/98)

Page 32 — Paragraph 307, lines 1 and 2

Delete: "south ... shore."

Replace by: close west of the southern extremity of the breakwater.

(N19/98)

Page 32 — Paragraph 307, lines 3 to 5

Delete: "2.9 m ... corner."

Replace by: 2.6 m (9 ft) at the outer end.

(N19/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 36 — Paragraph 355, line 5

Delete: steel

Replace by: wooden

(N19/98)

Page 37 — Paragraph 355, lines 8 to 11

Delete: "with ... foul."

Replace by: and bordered by armour stone.

(N19/98)

Page 37 — Paragraph 357, line 2

Delete: "6.4 m ... 1991,"

Replace by: 6.2 m (20 ft)

(N19/98)

Page 37 — Paragraph 358, line 4 - after "(7 ft)"

Add: and a "No wake" speed restriction

(N19/98)

Page 104 — **INDEX**, after "Davis Island, 86"

Add: Dawes Head, 31

(N19/98)

ATL 103 — Newfoundland — Southwest Coast, First Edition, 1995 —

Page 26 — Paragraph 214, line 5

Delete: "299° ... 076°."

Replace by: 257° through north to 118°.

ATL 110 — St. Lawrence River — Cap Whittle/Cap Gaspé to Les Escoumins, First Edition, 1992 —

Page 43 — **PETITE-TOURELLE** Diagram (Re: correction promulgated in Bi-weekly Edition No. 22/94)

Change: 1₁ to 0₈ @ 011°, 101 metres from front light range FG 15 M

Add: 1₈ @ 026°30', 218 metres from the light.

Add: 0₁ @ 033°30', 283 metres from the light.

Add: 1₈ @ 026°, 256 metres from the light.

Add: 2₂ @ 019°, 298 metres from the light.

Change: 2,7 m (1995) to read 2,7 m (1997) @ 042°, 170 metres from the light.

(L24/98)

ATL 111 — St. Lawrence River — Île Verte to Québec, First Edition, 1992 —

Page 5 — Paragraph 46, last line

Cancel correction promulgated in Monthly Edition No. 5/96.

ATL 112 — St. Lawrence River — Cap-Rouge to Montréal, First Edition, 1992 —

Page 30 — Cancel **VERCHÈRES** Diagram

Replace by new diagram attached at the end of **Section IV** of this Monthly Edition.

(L25/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

CEN 303 — Welland Canal and Lake Erie, First Edition, 1996 —

Page 60 — Paragraph 124, line 3

Delete: "6.1 m ... (10 ft)"

Replace by: 8 m (26 ft) from a white circular tower, 5.8 m (19 ft) (C04/98)

Page 60 — Paragraph 125, line 3

Delete: "7 m ... (20 ft)"

Replace by: 4.2 m (14 ft) from a white mast 1.8 m (6 ft) (C04/98)

CEN 306 — Georgian Bay, First Edition, 1998 —

Page 58 — Paragraph 97, line 3

Delete: horizontal stripe

Replace by: lower part (C03/98)

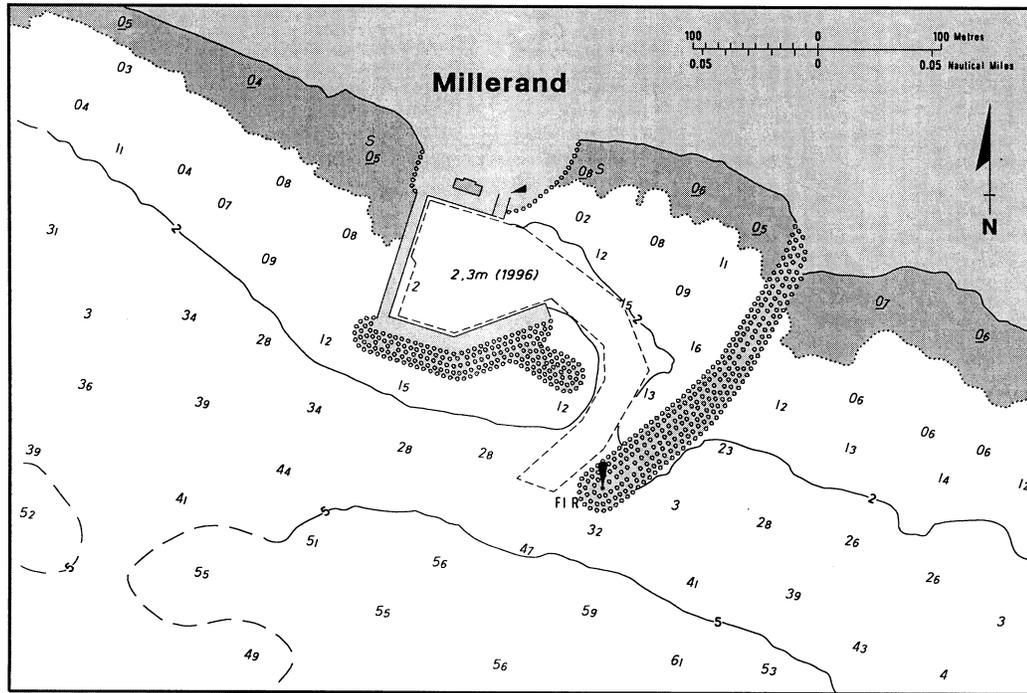
Page 59 — Delete paragraph 110. (C03/98)

Page 76 — Paragraph 11, line 3

Delete: in the dam (C03/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

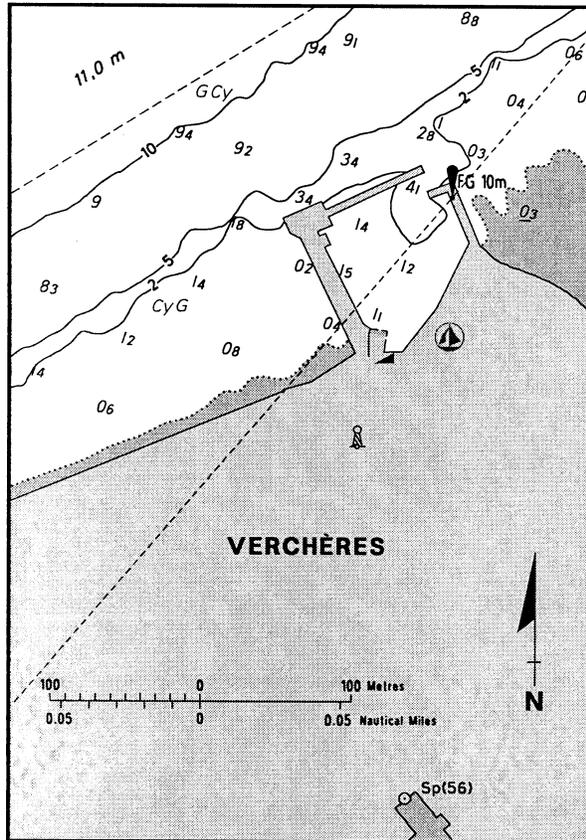
MILLERAND (Scale 1:5 000)



SOURCES: Surveyed by the Department of Public Works and Government Services, 1986-1996.

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

VERCHÈRES (Scale 1:5 000)



SOURCES: Surveyed by the Canadian Hydrographic Service in 1990

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
-----	------	--	--------------------------	--	-----------------------	--	---------------------------------

Newfoundland

129	Pass Island (Entrance to Hermitage Bay)	47 29 34 56 11 49	Fl W 10s Fl R 3s	85.6 84.7	8 5	White tower. 9.1	Flash 1 s; eclipse 9 s Flash 0.5 s; eclipse 2.5 s Red obscured from 257° through N. to 118°. Year round.	Chart:4644 Edn 05/98
163	Vardys Island (Rhode Island)	On SW. point of island. 47 34 37.6 59 08 14.8	Fl R 4s	5.8	.....	White tower, red and white daymark. 4.4	Year round.	Chart:4641 Edn 05/98
170	Pikes Island breakwater	On outer end of breakwater. 47 34 32.7 59 07 58.4	Fl R 4s	17.0	.....	Square skeleton tower, red and white rectangular daymark. 10.0	Year round. Radar reflector.	Chart:4641 Edn 05/98
174	Codroy	At S. end of Codroy Island. 47 52 14.2 59 24 08.8	Fl G 6s	7.1	.....	Circular tower, green and white horizontal bands. 3.6	Flash 1 s; eclipse 5 s Year round.	Chart:4682 Edn 05/98
195 H180	Meadows Point	In Humber Arm. 48 59 32.5 58 03 41	Fl G 3s	20.4	5	Square skeleton tower, green and white horizontal bands. 9.1	Flash 0.5 s; eclipse 2.5 s Seasonal.	Chart:4652 Edn 05/98
213	Flower's Cove	Centre of Rocky Island. 51 17 41.5 56 44 45.5	Fl G 3s	5.5	.....	Square skeleton tower, green and white horizontal bands. 4.3	Flash 0.5 s; eclipse 2.5 s Seasonal.	Chart:4667 Edn 05/98
225 H132	Cape Bauld	N. point of Quirpon Island. 51 38 24 55 25 40	Fl W 15s	53.9	23	Red and white octagonal tower. 10.7	Flash 0.5 s; eclipse 14.5 s Emergency light. Year round. Horn - Blast 3s; sil. 27s Horn points 009°. Year round.	Chart:4512 Edn 05/98
243	Harbour Rock	NE. point of rock. 51 21 32 55 34 15	Fl G 4s	4.9	.....	Square skeleton tower, green and white horizontal bands. 3.6	Harbour light only. Seasonal.	Chart:4514 Edn 05/98
279 H94	Camp Islands	E. side of island. 52 10 00.5 55 38 28.4	Fl W 5s	41.8	13	Red and white octagonal tower. 6.7	Flash 0.5 s; eclipse 4.5 s Emergency light. Seasonal. Horn - Blast 4s; sil. 56s Horn points 103°.	Chart:5030 915/98

Atlantic

259	Cat Rock light and whistle buoy Y3 Racon -- (M) X & S Band	S. of Cape Forchu. 43 46 57.3 66 09 29.8	Fl G 4s	Green, marked "Y3".	Year round.	Chart:4245 916/98
-----	---	--	---------	-------	-------	---------------------	-------------	------------------------------------

No.	Name	Position	Light Characteristics		Focal Height in m. above water	Nominal Range	Description	Remarks
		Latitude N. Longitude W.					Height in meters above ground		Fog Signals

Atlantic (Cont'd)

260 H3820	Cape Forchu	E. Cape, S. point, Yarmouth Sound. 43 47 38.8 66 09 19.4	FI(2)	W	10s	37.5	22	Hexagonal tower, red and white vertical stripes. 22.9	Emergency light. Year round. Delete fog signal.	Chart:4245 916/98
262	<i>Privateer Rock light buoy Y12</i>	<i>E. of Ships Stern. 43 48 34 66 08 39.1</i>	<i>FI</i>	<i>R</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "Y12".</i>	<i>Year round.</i>	Chart:4245 917/98
264	<i>Sollows Rock light buoy Y17</i>	<i>SE. of rock. 43 48 50.2 66 08 40.4</i>	<i>Q</i>	<i>G</i>	<i>1s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "Y17".</i>	<i>Year round.</i>	Chart:4245 917/98
265	<i>Yarmouth Main Channel light buoy Y24</i>	<i>S. of Elders Head. 43 49 33.7 66 07 54.5</i>	<i>FI</i>	<i>R</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "Y24".</i>	<i>Year round.</i>	Chart:4245 918/98
266	<i>Yarmouth South Channel light buoy Y26</i>	<i>43 49 51.6 66 07 39.1</i>	<i>FI</i>	<i>R</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "Y26".</i>	<i>Year round.</i>	Chart:4245 918/98
1016 H1040	Port Borden range								Delete from List.	
1017 H1040.1										Chart:4905 954/98
1017.5 H1039	Port Borden Pier	On outer end of Ferry Pier. 46 14 42.5 63 41 58	Iso	G	4s	10.1	16	White tower. 8.5	Flash 2 s; eclipse 2 s Year round. Delete Fog signal.	Chart:4905 954/98
1017.7	<i>Strait Crossing light and whistle buoy XF</i>	<i>46 17 00 63 52 18</i>	<i>Mo(A)</i>	<i>W</i>	<i>.....</i>	<i>.....</i>	<i>.....</i>	<i>Red and white vertical stripes, marked "XF".</i>	<i>Maintained by Strait Crossing Corp. Seasonal.</i>	Chart:4406 954/98
1017.71	<i>Strait Crossing light buoy XB2</i>	<i>46 11 03 63 42 30</i>	<i>FI</i>	<i>R</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "XB2".</i>		Chart:4406 954/98
1017.72	<i>Strait Crossing light buoy XB3</i>	<i>46 11 00 63 42 39</i>	<i>FI</i>	<i>G</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "XB3".</i>		Chart:4406 954/98
1017.73	<i>Strait Crossing light buoy XB4</i>	<i>46 14 24 63 47 57</i>	<i>FI</i>	<i>R</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "XB4".</i>		Chart:4406 954/98
1017.74	<i>Strait Crossing light buoy XB5</i>	<i>46 14 18 63 48 03</i>	<i>FI</i>	<i>G</i>	<i>4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "XB5".</i>		Chart:4406 954/98
1017.75	<i>Strait Crossing light and whistle buoy XB</i>	<i>46 09 24 63 39 54</i>	<i>Mo(A)</i>	<i>W</i>	<i>.....</i>	<i>.....</i>	<i>.....</i>	<i>Red and white vertical stripes, marked "XB".</i>	<i>Maintained by Strait Crossing Corp. Seasonal.</i>	Chart:4406 954/98

No.	Name	Position ----- Latitude N. Longitude W.		Light Characteristics			Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground		Remarks ----- Fog Signals	

Atlantic (Cont'd)

1044 H1164	St. Peters	46 26 30.7 62 44 53.7		Fl	W	5s	10.2	18	Square tower.	Flash 1.5 s; eclipse 3.5 s Year round.		Chart:4425 Edn 05/98
1090 H1308	Cape Tormentine Pier range									Delete from List.		
1091 H1308.1												Chart:4406 954/98
1090 H1308	Cape Tormentine Outer wharf	On outer end of pier. 46 08 05.4 63 46 20		Iso	R	2s	12.0	.....	Square tower, white daymark, red vertical stripe. 10.1	Flash 1 s; eclipse 1 s		Chart:4906 954/98
1092 H1312	Cape Tormentine Entrance range									Delete from List.		
1093 H1312.1												Chart:4905 954/98
1094 H1314	Cape Tormentine Inner breakwater									Delete from List.		Chart:4905 954/98
1094	Cape Tormentine Inner Wharf	46 08 00 63 46 28		Fl	R	3s	4.9	.....	Square skeleton tower. 3.8			Chart:4905 954/98
1094.4	<i>Strait Crossing fairway light and whistle buoy PRIV</i>									Delete from List.		Chart:4406 954/98
1095 H1318	Cape Jourmain									Delete from List.		Chart:4406 954/98
1096.5	<i>Jourmain Shoal light buoy X11</i>									Delete from List.		Chart:4406 954/98
1102	Cape Bald (L'Aboiteau)	NW. corner of E. breakwater. 46 13 53.7 64 17 53		Fl	G	3s	9.5	5	Square skeleton tower. 8.3	Flash 1 s; eclipse 2 s. Year round.		Chart:4905 954/98
1248.6	<i>Shippegan Gully breakwater light buoy TJ10</i>	47 43 03.3 64 39 52.4		Fl	R	4s	.....	.....	Red, marked "TJ10".			Chart:4920 958(P)/98
1716 H2054	Baie-Comeau	On outer end of wharf. 49 14 09 68 07 45.2		Fl	R	5s	12.4	15	Square skeleton tower. 9.2	Flash every 5 s Year round. Operates at night only.		Chart:1226 Edn 05/98

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
-----	------	--	--------------------------	--	-----------------------	--	---------------------------------

Atlantic (Cont'd)

1719 H2056	Pointe de Manicouagan Racon -- (X) X & S Band	On point. 49 06 04.3 68 11 39.7	Fl W 5s	38.1	15	Skeleton tower. 30.5	Flash every 5 s Emergency light. Radar reflector. Year round. Operates at night only.	Chart:1236 Edn 05/98
1738 H2064	Pointe Rocheuse	On hill, E. of harbour. 48 44 21.4 69 02 55.1	Fl W 5s	19.6	15	Square skeleton tower. 15.2	Flash every 5 s Emergency light. Year round. Operates at night only.	Chart:1236 Edn 05/98
1767	<i>Bancs de l'Île Rouge light and bell buoy H50</i>						<i>Delete from List.</i>	Chart:1235 950/98
1779 H2112	Pointe Noire range	On E. extremity of point. 48 07 23.8 69 43 02.2	F W F G	25.6 25.3	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe 10.7	Year round. Visible in line of range. Emergency light. Visible from 077° through E. and S. to 257°.	Horn - Blast 3s; sil. 27s Horn points 275°. The operation of the fog signal will be made remotely on channel 69 (156,475 MHz). Mariners requiring the operation of the fog signal will have to press the button of the VHF radio five (5) consecutive times at 1 second interval on channel 69. The signal will be in operation for 60 minutes. After this delay, it will have to do the same operation.
1780 H2112.1		273°04' 427m from front.	F W	39.9	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 7.6	Visible in line of range. Emergency light. Year round.	Chart:1203 Edn 05/98
1824.6	<i>Récif de l'Île Blanche East Cardinal light buoy</i>						<i>Delete from List.</i>	Chart:1235 950/98
1844 H2194	Pointe-au-Pic	On inner side of wharf. 47 37 21 70 08 26	Fl R 5s	19.5	20	Square skeleton tower. 18.0	Flash every 5 s Emergency light. Year round. Operates at night only.	Chart:1234 Edn 05/98
1926	<i>Rochers Maranda light buoy K156</i>	Off SE. extremity of rocks. 46 50 34.1 71 06 51.3	Fl R 4s	.....	.....	Red, marked "K156".	Year round.	Chart:1317 951/98

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
-----	------	--	--------------------------	--	-----------------------	--	---------------------------------

Atlantic (Cont'd)

1976.1 H2335.9	Traverse de Saint-Antoine range	On E. side of Pte. de St-Antoine. 46 40 00.3 71 34 52.7	F G	17.0	15	Square skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 15.8	Visible in line of range. Emergency light. Year round.
1977 H2336		227°22' 321.8m from front.	F G	57.3	15	Square skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 16.5	Visible in line of range. Emergency light. Year round. Chart:1315 Edn 05/98
2111 H2398.4	Port Saint- François wharf	On pier. 46 16 20.4 72 37 11.2	Fl Y 5s	10.1	.....	White tower. 6.1	Emergency light. Radar reflector. Year round. Chart:1312 911/98
2112 H2398	Port Saint- François range	On pier W. of wharf. 46 16 16.4 72 37 12.5	F G	10.8	.....	White structure, fluorescent orange daymark, black vertical stripe. 11.1	Night emergency light. Visible in line of range. Year round.
2113 H2398.1		068°25' 1372.8m from front.	F G	18.8	.....	Red skeleton structure, white enclosed upper portion, fluorescent orange daymark, black vertical stripe. 14.3	Night emergency light. Visible in line of range. Year round. Chart:1312 911/98
2376	<i>Light buoy M187</i>	45 32 52.1 73 31 15.6	Q G 1s	.....	.....	<i>Green, marked "M187".</i>	<i>Year round. Winter spar.</i> Chart:1310 Edn 05/98
Inland light							
2500	Tent Island	NS. point of island. 68 55 00 136 37 30	Fl W 4s	10.5	10	Tripod tower, orange rectangular daymark on NW. and SE. faces. 9.1	Year round Chart:6441 Edn 05/98

Inland Waters

36.7	<i>Upper Beauharnois Lock Anchorage Area light buoy CA</i>						<i>Delete from List.</i> Chart:1411 919/98
38	<i>Upper Beauharnois Lock Anchorage Area light buoy CD</i>						<i>Delete from List.</i> Chart:1411 919/98
39.6	<i>Upper Beauharnois Lock Anchorage Area light buoy CE</i>						<i>Delete from List.</i> Chart:1411 919/98
44	<i>Light buoy C10</i>						<i>Delete from List.</i> Chart:1411 919/98

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
-----	------	--	--------------------------	--	-----------------------	--	---------------------------------

Inland Waters (Cont'd)

48	St. Louis Bridge Anchorage Area light buoy CJ						Delete from List. Chart:1411 919/98
56	Light buoy C25						Delete from List. Chart:1411 920/98
64	Light buoy C29						Delete from List. Chart:1411 920/98
64	Light buoy C31	45 13 14.5 74 04 58	Fl G 4s	.....	.....	Green, marked "C31".	Chart:1411 920/98
67	Light buoy C34						Delete from List. Chart:1411 920/98
70	Beauharnois Anchorage Area light buoy CM						Delete from List. Chart:1411 920/98
71	Light buoy C44						Delete from List. Chart:1411 920/98
90	Light buoy D8	45 13 41 74 13 32.8	Fl R 4s	.....	.....	Red, marked "D8".	Winter spar. Year round. Chart:1412 921/98
90.2	St-Zotique Anchorage Area light buoy DA						Delete from List. Chart:1412 921/98
90.6	St-Zotique Anchorage Area light buoy DH						Delete from List. Chart:1412 921/98
92.5	St-Zotique Anchorage Area light buoy DD						Delete from List. Chart:1412 921/98
93.5	St-Zotique Anchorage Area light buoy DJ						Delete from List. Chart:1412 921/98
94.5	Light buoy D14						Delete from List. Chart:1412 921/98
95	Light buoy D13	45 12 30 74 17 06	Fl G 4s	.....	.....	Green, marked "D13".	Winter spar. Year round. Chart:1412 921/98

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
-----	------	--	--------------------------	--	-----------------------	--	---------------------------------

Inland Waters (Cont'd)

100	Light buoy D20						Delete from List. Chart:1412 921/98
100.5	Light buoy D21						Delete from List. Chart:1412 921/98
112.8	Light buoy D34/2						Delete from List. Chart:1412 921/98
141	Renshaw Island D66						Delete from List. Chart:1413 944/98
148	Light buoy D73						Delete from List. Chart:1413 937/98
149	Light buoy D74	45 02 40 74 34 36	Q R	1s	.....	..... Red, marked "D74".	Winter spar. Year round. Chart:1413 937/98
155	Light buoy D87						Delete from List. Chart:1413 937/98
155.5	Light buoy D86	45 01 37.2 74 38 13	Fl R	4s	.....	..... Red, marked "D86".	Seasonal. Chart:1413 937/98
156	Light buoy D88						Delete from List. Chart:1413 960/98
163.1	Light buoy DC13						Delete from List. Chart:1413 937/98
166	Light buoy D89						Delete from List. Chart:1413 937/98
247	Light buoy 80						Delete from List. Chart:1434 938/98
250	Light buoy 84	44 53 48 75 09 43	Fl R	4s	.....	..... Red, marked "84".	Winter spar. Year round. Chart:1434 938/98
251	Canada Island Anchorage Area East light buoy XE						Delete from List. Chart:1434 938/98

No.	Name	Position ---- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ---- Height in meters above ground	Remarks ---- Fog Signals
-----	------	---	--------------------------	--	-----------------------	---	--------------------------------

Inland Waters (Cont'd)

272	Light buoy 106						Delete from List. Chart:1434 938/98
282	Light 110						Delete from List. Chart:1434 942/98
283.2	Iroquois Lock						Delete from List. Chart:1434 942/98
303	Light buoy 130						Delete from List. Chart:1435 940/98
304	Spencer Island Pier						Delete from List. Chart:1435 942/98
310.5	Light buoy 132A						Delete from List. Chart:1435 940/98
312	Lower Lakes Terminal Sector						Delete from List. Chart:1435 942/98
320	McNair Island 137						Delete from List. Chart:1435 943/98
323.5	Refugee Island light buoy 139A						Delete from List. Chart:1435 940/98
323.7	Smith Island light buoy 140						Delete from List. Chart:1435 940/98
338	Light 150						Delete from List. Chart:1436 943/98
340.3	Bay State Shoal Anchorage Area N. light buoy PC						Delete from List. Chart:1436 941/98
340.4	Bay State Shoal Anchorage Area S. light buoy PE						Delete from List. Chart:1436 941/98
379	Banford Point (Wolfe Island)						Delete from List. Chart:1438 945/98

No.	Name	Position ---- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ---- Height in meters above ground	Remarks ---- Fog Signals
-----	------	---	--------------------------	--	-----------------------	---	--------------------------------

Inland Waters (Cont'd)

391 H2833	Point Alexandria						Delete from List. Chart:1439 945/98
392	Wolfe Island, South Side						Delete from List. Chart:1439 945/98
2500	Tent Island	NS. point of island. 68 55 00 136 37 30	Fl W 4s	10.5	10	Tripod tower, orange rectangular daymark on NW. and SE. faces. 9.1	Year round Chart:6441 Edn 05/98

Atlantic and Inland Waters List of Lights - Edition 4/98

Under Old Atlantic L.L. # amend 1463.2 to read 1453.2

**CANADIAN COAST GUARD
MARINE INFORMATION REPORT AND SUGGESTION SHEET**

Navigating Officer or Observer: _____ Captain: _____

Ship (or address) _____

If Merchant Vessel add Line or Company with Head Office address: _____

General locality: _____

Subject: _____

Approx. position: _____ Lat. _____ Long. _____

Chart No. used to plot: _____ (Corrected to N/N No. _____ of 19 _____)

Publications affected: (Quote Volume and page) _____

* Full details (Attach additional sheets as necessary)

Time (UTC) _____ Date _____

INSTRUCTIONS:

Mariners are requested to notify the responsible authorities when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation, or corrections to publications are seen to be necessary.

** In the case of new or suspected dangers to navigation, it is important that all details be given in order to aid with future investigations. Items of interest include heights, depths, physical description, type of bottom and equipment method used to position the item. It is helpful to mark details on chart, which will be promptly replaced by the Canadian Hydrographic Service.*

Reports should be made to the nearest Marine Communications and Traffic Services Centre and should be confirmed in writing to:

Director General, Marine Navigation Services Directorate,
Canadian Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

In the case of information concerning
navigational aids or the List of Lights,
Buoys and Fog Signals.

OR

Dominion Hydrographer,
Canadian Hydrographic Service,
Department of Fisheries and Oceans,
Directions"
Ottawa, Ontario, K1A 0E6

In the case of new or suspected
dangers to navigation, or where
corrections to "Sailing
appear to be necessary.