



Canada

Canada

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EASTERN EDITION OF NOTICES TO MARINERS

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NOTICES

100 to 177

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Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

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

ADVISORY

NOTICES TO SHIPPING (WRITTEN AND BROADCAST)

The Canadian Coast Guard is implementing a number of changes to the aids to navigation system in Canada.

These changes are advertised as Notices to Shipping (Broadcast and Written) by the Canadian Coast Guard and are followed up with Notices to Mariners, then charts are updated by hand correction, reprints or new editions.

The publication of Notices to Mariners and chart revisions are being delayed by the volume of changes that are taking place.

Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.

Written Notices to Shipping are published weekly and are available from local Canadian Coast Guard Offices.

The Canadian Hydrographic Service is reviewing the impact of these changes with the Canadian Coast Guard and together we are preparing an action plan on the issuing of chart revisions.

For further information contact your local Canadian Coast Guard office.

Newfoundland

St. John's MCTS Centre
Phone: (709) 772-2083
Fax: (709) 772-6285

Maritimes

Maritimes Regional Operations Centre
Toll Free in Maritimes 1-800-565-1633
Phone: (902) 426-6030
Fax: (902) 426-6334
<http://www.mar.dfo.mpo.gc.ca/cg/ops/roc.htm>
Website E-Mail: ROCWeb@mar.dfo-mpo.gc.ca

Laurentienne

Québec MCTS Centre
Phone: (418) 648-5410
Fax: (418) 648-7244
E-Mail: XLAUSCTM@dfo-mpo.gc.ca

Central & Arctic

Sarnia MCTS Centre
Toll Free in Ontario 1-800-265-0237
Phone: (519) 337-6360
Fax: (519) 337-2498

Pacific

Vancouver Regional Marine Information Centre
Phone: (604) 666-6011
Fax: (604) 666-8453

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 pagexiii 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 33 W	315	200
Richmond BC	304,305	907	49 11 N 123 07 W	320	200
Sandspit BC	306,307	906	53 14 N 131 49 W	300	200
Cardinal ON	308,309	919	44 47 N 75 25 W	306	200
Warton ON	310,311	918	44 45 N 81 07 W	286	200
St. Jean Richelieu QUÉ	312,313	929	45 19 N 73 19 W	296	200
Lauzon QUÉ	316,317	927	46 49 N 71 10 W	309	200

Rivière-du-Loup QUÉ	318,319	926	47 46 N 69 36 W	300	200
Moisie QUÉ	320,321	925	50 12 N 66 07 W	313	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 48 W	319	200
Western Head NS	334,335	935	43 59 N 64 39 W	312	200
Fox Island NS	336,337	934	45 20 N 61 05 W	307	200
Cape Race NFLD	338,339	940	46 46 N 53 11 W	315	200
Cape Ray NFLD	340,341	942	47 38 N 59 14 W	290	200
Cape Norman NFLD	342,343	944	51 30 N 55 49 W	310	200

DGPS USER ALERT

Currently, seventeen DGPS stations are providing Initial Operational Service (IOS) in Canada. The DGPS station at Rigolet, Labrador will be installed in November 30/98. Extensive validation of operational performance is being conducted throughout 1998. Full Operational Service (FOS) will follow after successful validation. Mariners are reminded to use caution when using DGPS until the Service is declared fully operational.

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. Currently, seventeen DGPS stations are providing Initial Operational Service (IOS) in Canada. The DGPS station at Rigolet, Labrador will be installed in November 30/98.

Following a service validation period, it is expected that the DGPS service will be announced as providing a Full Operational Service (FOS) in March 1999. 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, Fisheries and Oceans Canada, 200 Kent Street, Station 5130, Ottawa, ON, K1A 0E6.

GPS "ROLLOVER" AUGUST 1999

The Global Positioning System accounts for time by using a number for every week the service is in operation and accounts for the seconds within each numeric week. It counts weeks using a starting point of midnight (0000) on the evening of January 5, 1980 / morning of January 6, 1980 (UTC), and has increased its count by 1 for each week since then. Both week and seconds are broadcast as part of the GPS message provided by the satellites and are used by receivers in their computations. The GPS week number field in this message can only provide for numbers up to 1024 which means that, at the completion of the week 1023, the week number field will roll over from 1023 back to 0. This will occur at midnight 21-22 August 1999. On 22 August 1999, unless repaired, many GPS receivers will claim that it is 6 January 1980.

It will be the responsibility of the user to account for this changeover, the satellite themselves will simply start broadcasting the new week number. How it will affect your particular GPS unit will depend on what brand and model of receiver you have. Some receivers may merely display inaccurate date information, but others may also calculate incorrect navigation information or might stop providing positions. If the rollover hasn't been taken into account at the time your GPS receiver was designed and built, then the unit might have problems. Some units will require a software upgrade. Mariners are advised to consult with the manufacturers of their receiver's compliance to GPS rollover.

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 reçus 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 informations on user equipment to fill / Renseignements indispensables sur l'équipement à remplir:

User equipment informations / 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:
 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 : 613-998-8428 attention AWAD.
- 2) Mail / Par la poste: Director Marine Aids
 Fisheries and Oceans Canada
 200 Kent Street, Station 5130
 Ottawa, ON
 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 light stations 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 light stations 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 light stations (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

Aids Modernization consultations are continuing throughout the Central and Arctic Region of the Canadian Coast Guard. Mariners are urged to continue to read and monitor Notices to Shipping and Notices to Mariners for the most recent concerning adjustments to aids to navigation. You may also access the Central and Arctic Website at www.ccg-gcc.gc.ca/cen-arc/main.htm for further information.

Mariners and representatives of user groups seeking clarification, having questions, or wishing to provide comments or recommendations concerning any aids to navigation notice may to contact:

Superintendent Marine Aids Program
Central and Arctic Region
201 Front Street North, Suite 703
Sarnia, Ontario, N7T 8B1
Telephone (519) 383-1859 or (519) 383-1861
Facsimile (519) 383-1989

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

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Facsimile - (613) 998-8428

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***174 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
<u>1. New Editions.</u>					
	<u>Northumberland Strait/Détroit de Northumberland</u>				
4402	Wallace Harbour	1:24 000	Dec. 25/98	1	\$20.00
	Newfoundland/Terre Neuve				
4515	HARE BAY	1:45 000	Nov. 20/98	1	20.00
4641	PORT AUX BASQUES AND APPROACHES	1:75 00	Dec. 25/98	1	20.00
	NOTE: THIS CHART IS AFFECTED BY NOTICE 594(T)/94.				

(AMA8035-10-35)

(DFO-H99-008)

***175 CANADIAN HYDROGRAPHIC SERVICE - Electronic Navigation Charts.**

- (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
<u>1. New Chart.</u>					
	<u>Newfoundland/Terre-Neuve</u>				
76411	Maiden Arm, Spring Inlets and Approaches	-----	Sept. 18/98		See Note (2)
	NOTE: This ENC is derived from CHS Chart 4519				

2. New Editions.

	<u>GULF OF ST. LAWRENCE/GOLFE DU SAINT-LAURENT</u>				
79004	Havre Saint-Pierre et les Approches/and Approaches	-----	Nov. 27/98		See Note (2)
	NOTE: This ENC is derived from CHS Chart				

4429

79005 Havre Saint-Pierre ----- Nov. 27/98

NOTE: This ENC is derived from CHS Chart
4429

2. New Editions.

LAKE HURON/LAC HURON

73082 Goderich to/à Chantry Island ----- Jun. 12/98 See Note
(2)NOTE: This ENC is derived from CHS Chart
2291

NOVA SCOTIA/NOUVELLE-ÉCOSSE

76083 Taylors Head to/à Shut-in Island ----- Sept. 18/98 See Note
(2)NOTE: This ENC is derived from CHS Chart
423676138 Pointe Amour à/to Cape Whittle et/and Cape St. ----- Nov. 27/98 See Note
George (2)NOTE: This ENC is derived from CHS Chart
402176232 Port au Port Peninsula – South Coast/Côte ----- Nov. 27/98 See Note
Lower Cove (2)NOTE: This ENC is derived from CHS Chart
4021Prince Edward Island/Île-du-Prince-Édouard76179 Hillsborough Bay ----- Oct. 30/98 See Note
(2)NOTE: This ENC is derived from CHS Chart
4466ST. LAWRENCE RIVER/FLEUVE SAINT-
LAURENT79006 Baie des Sept-Îles ----- Oct. 9/98 See Note
(2)NOTE: This ENC is derived from CHS Chart
122079017 Donnacona à/to Batiscan ----- Dec. 04/98 See Note
(2)NOTE: This ENC is derived from CHS Chart
1314

79018	Batiscan	-----	Nov. 27/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1314			
79019	Portneuf	-----	Nov. 27/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1314			
79020	Quebec à/to Donnacona	-----	Nov. 27/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1315			
79029	Cap de la Tête au Chien à/to Cap aux Oies	-----	Nov. 27/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1234			
79030	Port de Gros-Cacouna	-----	Nov. 27/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1234			
79031	Pointe de la Rivière du Loup	-----	Nov. 27/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1234			
79032	Pointe-au-Pic	-----	Dec. 04/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1234			
79034	Cap-à-l'Aigle	-----	Dec. 04/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1234			
79047	Port-Cartier	-----	Dec. 04/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 1226			
79069	Baie de Port-Daniel	-----	Sept. 18/98	See Note (2)
	NOTE: This ENC is derived from CHS Chart 4921			

(AMA8035-10-35)

(DFO-H99-022)

***126 LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES IN EFFECT DECEMBER 25, 1998**(Revised and promulgated quarterly)
(Reference: Notice 1925/98 cancelled)

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2085	683(P)/95, 739(P)/95, 506(T)/98
2086	90(T)/90, 683(P)/95, 739(P)/95, 603(T)/96, 506(T)/98
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(AMA8035-10-1)

(CCG-H99-001)

***125 SUMMARY OF TEMPORARY AND PRELIMINARY NOTICES IN EFFECT DECEMBER 25, 1998**

(Revised and promulgated quarterly)
Reference: Notice 1924/98 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
		(1) MISCELLANEOUS
342(P)/97	- - - -	Canada - Loran-C lattices on nautical charts.
1922(T)/98	- - - -	Canada - Safety of offshore exploration and exploitation vessels.
		(2) CANADIAN ARCTIC AND WEST COAST OF GREENLAND
847(P)/89	7740, 7083	Northwest Territories - Larsen Sound - Boothia Peninsula - Results of surveys.
634(P)/96	7371	Northwest Territories - Ellesmere Island - Alexandra Fiord - Off Skraeling Island -Result of survey.
666(P)/96	- - - -	Western Arctic - Great Slave Lake - Curtis Island - Light to be discontinued.
738(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
751(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
328(P)/98	- - - -	Northwest Territories - Fort Chipewyan to Fort McMurray - Changes to
1510(P)/98	7760, 7733, 7083	Northwest Territories - Simpson Strait - Rae Strait - Shoal depths.
1727(P)/98	7760, 7083	Northwest Territories - Boothia Peninsula - James Ross Strait - Shoal depths.
		(3) HUDSON BAY INCLUDING FOXE CHANNEL, HUDSON STRAIT AND LABRADOR

292(T)/88	4728	Labrador Coast – Lake Melville – Goose Bay Narrows – Off Brûlé Point
591(T)/93	5031	Labrador Coast – St. Mary's Harbour – Wharf under reconstruction – Caution.
804(P)/93	5048, L/C 8047, L/C 4730	Labrador Coast – Off Cape Harrigan – Nanuktok (Farmyard) Islands – Information about depth.
163(T)/94	4703, 5133, 4732, L/C 8048, L/C 4730, L/C 4700, L/C 4001(INT404)	Labrador Coast – East of South Wolf Island – Scientific subsurface mooring established temporarily.
703(T)/94	5031	Labrador Coast – St. Lewis Sound – Battle Harbour – Depth – Submerged wharf in ruins.
761(T)/94	5001(INT 405)	Labrador Coast – Labrador Sea – Current meter established temporarily.
680(P)/95	5049	Labrador Coast – Uyagaksuak Island – Result of survey.
345(P)/96	4702	Labrador Coast – Martin Bay – Result of survey.
687(P)/96	4702, 4703	Labrador Coast – South of Frenchman Island – Result of survey.
		(4) BAY OF FUNDY AND ATLANTIC COAST SOUTH TO 40° N., NOVA SCOTIA AND NEWFOUNDLAND
193(T)/87	4587	Newfoundland – Placentia Bay – Mortier Bay – Off Spanish Room Point – Anchor chains stored temporarily – Caution.
413(T)/88	L/C 4832	Newfoundland – Fortune Bay – Fortune Harbour – Fortune Barasway –
356(P)/90	L/C 4622, L/C 4624, L/C 4016	Newfoundland – Placentia Bay – South of Jude Island – Shoal reported.
568(T)/90	4843, L/C 4817	Newfoundland – St. Mary's Harbour – Graven Beach – Sunken barge – Caution.
55(T)/91	----	Newfoundland – Bonavista Bay – Newman Sound – Wharf under reconstruction – Light discontinued temporarily.
191(T)/91	L/C 4851	Newfoundland – Trinity Bay – Bull Arm – Current meter established
103(T)/92	4849	Newfoundland – Conception Bay – Harbour Grace – Spires removed temporarily.
474(P)/92	L/C 4118	Nova Scotia – St. Marys Bay – Weymouth Harbour – Results of survey.
782(T)/92	4848, L/C 4847	Newfoundland – Conception Bay – Long Pond – Information concerning breakwater – Caution.
805(P)/92	L/C 4234, L/C 4235, L/C 4227	Nova Scotia - Ecum Secum - Results of survey.

70(P)/93	L/C 4010	Bay of Fundy - Minas Channel - Île Haute - Light relocated.
619(T)/93	4830, L/C 4832, L/C 4016	Newfoundland - Fortune Bay - Sagona Island - Fog signal discontinued temporarily.
649(P)/93	4448, L/C 4462	Cape Breton Island - Port Hood - Port Hood Island - Light to be discontinued.
707(T)/93	L/C 8010, L/C 4001(INT 404)	Off Newfoundland - Current meters established temporarily.
737(P)/93	4637	Newfoundland - The Burgeo Islands - Graley Rock - Shoal reported.
815(P)/93	4142	Bay of Fundy - Saint John River - Newcastle Creek - Lights discontinued - Light established.
47(T)/94	L/C 4520, L/C 8015	Newfoundland - Subsurface mooring established temporarily.
73(P)/94	4124, 4331	Bay of Fundy - Deer Island - Lords Cove - Radar reflector changed.
75(T)/94	L/C 4017, L/C 8015	Off Newfoundland - Subsurface mooring established temporarily.
76(T)/94	L/C 4520, L/C 4017, L/C 8014, L/C 8015, L/C 8049	Off Newfoundland - Subsurface mooring established temporarily.
104(T)/94	L/C 4844	Newfoundland - Renews Harbour - Range light discontinued temporarily.
105(T)/94	L/C 4844, L/C 4817, L/C 4016, L/C 8011, L/C 4047, L/C 4049	Newfoundland - Off Cape Race - Subsurface mooring established temporarily.
108(T)/94	L/C 4016, L/C 4047	Newfoundland - Placentia Bay Approach - Subsurface mooring established temporarily.
276(P)/94	----	Bay of Fundy - Grand Manan - St. Croix River to Maces Bay - Review of aids to navigation.
350(P)/94	L/C 4010	Bay of Fundy - Off Moose Island - Light established.
359(T)/94	L/C 4846, L/C 4016, L/C 4017, L/C 8014, L/C 4049	Newfoundland - Off Cape Spear - Subsurface moorings established temporarily.
373(T)/94	4245	Nova Scotia - Yarmouth Harbour - Information about depths in maintain area.
423(P)/94	L/C 4850	Newfoundland - Bay de Verde - Information about light.
459(P)/94	4342, L/C 4340	Bay of Fundy - Grand Manan - Off White Head Island - Information about depth.
461(T)/94	L/C 4235	Nova Scotia - East River - Light buoy established temporarily.
463(P)/94	4635	Newfoundland - Wreck Island - Information about light.
522(P)/94	L/C 4844, L/C 4817	Newfoundland - Trepassey Bay - Portugal Cove - Fog signal repositioned.

594(T)/94	4641, 4635	Newfoundland - Port aux Basques and Approaches - Buoys established temporarily.
613(P)/94	4546	Newfoundland, East Coast - Trinity Bay - Random Sound - Northwest Arm - Off Bottom Bluff - Result of survey.
678(T)/94	LC 4017, LC 8015, LC 4001(INT 404)	Newfoundland, East Coast - Scientific subsurface mooring established temporarily.
717(T)/94	L/C 4235	Nova Scotia - East River - Sheet Harbour - Wreck.
820(T)/94	4201(INT 4634)	Nova Scotia, Southeast Coast - Halifax Harbour - Bedford Basin - Wrights Point -Results of survey.
64(T)/95	L/C 4851	Newfoundland, East Coast - Trinity Bay - Bull Arm - Pontoons established temporarily.
181(T)/95	4332, 4331	Bay of Fundy - Passamaquoddy Bay - St. Andrews - Light discontinued temporarily.
192(T)/95	4635, LC 4015, LC 4022	Newfoundland, South Coast - Port aux Basques - Channel Head - Experimental DGPS Reference Station established temporarily.
346(T)/95	4211	Nova Scotia, Southeast Coast - Medway Harbour - Light buoy established temporarily.
384(T)/95	LC 4851, LC 4017	Newfoundland, East Coast - Trinity Bay - Bull Arm - Buoy established temporarily.
420(P)/95	LC 4010	Nova Scotia - Scots Bay - Cape Blominden - Radar reflector.
507(T)/95	4124, 4331	Bay of Fundy - Back Bay - Cailiff Rocks - Light buoy relocated temporarily.
529(P)/95	LC 4098, LC 4099, LC 8007, LC 4013, LC 4045, LC 4003, LC 4001(INT 404), LC 4006, 4000	Nova Scotia, Southeast Coast - Sable Island - Radiobeacon to be discontinued.
534(T)/95	4245	Nova Scotia, Southwest Coast - Yarmouth Harbour - Buoys established temporarily.
623(T)/95	- - - -	Newfoundland - Strait of Belle Isle - Pistolet Bay - Experimental DGPS established temporarily.
690(T)/95	4332, 4331	Bay of Fundy - Passamaquoddy Bay - St. Andrews - Light buoy established temporarily.
734(P)/95	4210, LC 4230	Nova Scotia - Wood's Harbour - Angels Island - Light.
120(P)/96	4637	Newfoundland, Southwest Coast - Burgeo Short Reach - Buoys to be discontinued.
141(T)/96	4381	Nova Scotia, Southeast Coast - Mahone Bay - East Ironbound Island - Light temporarily discontinued.
154(P)/96	4644	Newfoundland, South Coast - Bonne Bay - Results of surveys.

217(P)/96	LC 4118	Bay of Fundy - Grand Passage - Peter Island - Fog signal to be discontinued.
237(T)/96	4394	Nova Scotia, Southeast Coast - LaHave - Crooked Channel - Spar buoy temporarily repositioned.
444(P)/96	LC 4831, LC 4832, LC 4016	Newfoundland, Southeast Coast - Belle Bay - St. Jacques Island - Fog signal to be discontinued.
533(P)/96	4379	Nova Scotia, Southeast Coast - Liverpool Harbour - Off Fort Point - Dredged channel.
748(T)/96	4140	Bay of Fundy - Minas Basin - Approaches to Hantsport - Results of survey.
115(T)/97	----	Northumberland Strait - Navigation Route.
239(P)/97	4635	Newfoundland, Southwest Coast - Rose Blanche - Spar buoy.
291(P)/97	LC 4841, LC 4622	Newfoundland, South Coast - Placentia Bay - Light buoy to be discontinued.
648(P)/97	4278	Cape Breton Island, Atlantic Coast - Great Bras d'Or and St. Patricks Channel - Buoys.
518(P)/98	----	Nova Scotia, Southwest Coast - Yarmouth Sound - Buoys to be discontinued.
535(P)/98	LC 4847	Newfoundland, East Coast - Conception Bay - Port de Grave - Breakwater and lights.
765(T)/98	4644	Newfoundland, South Coast - Bay d'Espoir and Roti Bay - Current meters.
768(P)/98	----	Northumberland Strait - Fog signals to be discontinued.
769(P)/98	----	Bay of Fundy - Lights and light buoy to be discontinued.
1105(P)/98	----	New Brunswick - Halifax Harbour - Point Pleasant to Bedford Basin - Buoy to be discontinued.
1149(P)/98	4277, 4278	Cape Breton Island - St. Anns Bay - Great Bras d'Or - St. Andrews Channel - St. Patricks Channel - Aids.
1161(P)/98	----	Northumberland Strait - Richibucto Harbour - Lights to be discontinued.
1507(T)/98	4117	New Brunswick, South Coast - Saint John Harbour - Light changed temporarily.
1550(P)/98	----	New Brunswick - Saint-John - Mactaquac Lake - Buoys to be discontinued.
1551(P)/98	----	Bay of Fundy - Port Greville and Port George - Lights to be discontinued.
2159(P)/98	----	Nova Scotia – Mira River – Buoys to be discontinued and privatized.
2167(P)/98	----	Nova Scotia – Pubnico Harbour – Lights and buoys to be discontinued.

(5) GULF AND RIVER ST. LAWRENCE TO MONTREAL, INCLUDING PRINCE EDWARD ISLAND AND WEST COASTS OF NEWFOUNDLAND AND CAPE BRETON ISLAND

196(T)/87	1351	Québec - Rivière Richelieu - Customs wharf - Shoal reported.
769(P)/90	4456	Gulf of St. Lawrence - Off Rocher de la Garde - Information about depth.
68(P)/91	1339	Montréal Harbour - Information about shoals.
75(T)/92	1338, 1339	St. Lawrence River - Montréal Harbour - Contrecoeur - Information about shoals.
170(T)/92	1314	St. Lawrence River - Québec Harbour to Trois-Rivières Harbour - Deschaillons-sur-Saint-Laurent - Wharf damaged - Docking prohibited - Caution.
347(T)/92	- - - -	Newfoundland - Stephenville Entrance Channel and Turning Basin - Information about shoaling.
433(T)/92	4456	Gulf of St. Lawrence - Îles Mingan - Havre Saint-Charles - Information about reported sandbank.
133(T)/93	1203	St. Lawrence River - Saguenay River - Anse Saint-Jean - Light discontinued temporarily - Wharf damaged - Caution.
195(T)/93	4954	Gulf of St. Lawrence - Îles de la Madeleine - Chenal du Havre de la Grande-Entrée - Information about depths.
358(T)/93	4912	Gulf of St. Lawrence - Miramichi River - Information about depths and channel width restrictions.
636(P)/93	1351	Québec - Rivière Richelieu - Bassin de Chambly - Anemometer tower.
793(P)/93	4469	Gulf of St. Lawrence - Tête-à-la-Baleine - Information about wharf.
845(P)/93	4460	Gulf of St. Lawrence - Prince Edward Island - Charlottetown - Light established.
103(T)/94	4426	Chaleur Bay - Restigouche River - Dalhousie - Results of survey.
240(P)/94	1317	St. Lawrence River - Cap Rouge - Shoal depth.
299(P)/94	L/C 4020	Strait of Belle Isle - Green Island Brook - Light established.
582(P)/94	4921	Gulf of St. Lawrence - Chaleur Bay - L'Anse-à-Beaufils - Breakwater extension.
583(P)/94	L/C 4464, L/C 4022	Cape Breton Island - Pleasant Bay - Light.
612(T)/94	4483	Gulf of St. Lawrence - Caribou Harbour - Results of survey.
798(P)/94	L/C 4486	Gulf of St. Lawrence - Chaleur Bay - Anse-Bleue - Range lights to be discontinued.
818(T)/94	4957	Gulf of St. Lawrence - Îles de la Madeleine - Havre-Aubert - Wreck.

65(T)/95	1313	St. Lawrence River - Cap-de-la-Madeleine - Wharf partially closed.
526(P)/95	4437	Gulf of St. Lawrence - Pictou Harbour - Light and breakwater.
65(T)/96	4491	Prince Edward Island - Darnley Basin - Light buoy discontinued temporarily.
306(P)/96	LC 4486	Gulf of St. Lawrence - Chaleur Bay - Jacquet River - Light to be discontinued.
351(P)/96	4483, LC 4405, LC 4404, LC 4023, LC 4013	Gulf of St. Lawrence - Caribou - Fog signal to be discontinued.
433(T)/96	1351	Québec - Rivière Richelieu - Île aux Noix - Shoal reported.
434(T)/96	4921	Chaleur Bay - Grande Rivière - Shoal reported.
690(T)/96	LC 4485, LC 4486	Gulf of St. Lawrence - Chaleur Bay - Marine farm.
855(P)/96	4912	Gulf of St. Lawrence - Miramichi River - Black River - Pier.
129(P)/97	LC 1235	St. Lawrence River - Escoumins - Shoal depths.
221(T)/97	- - - -	St. Lawrence River - Upstream from Sorel - Aids obstructed - Caution.
299(P)/97	1409	St. Lawrence River - Canal de la Rive Sud - Sainte-Catherine and Saint-Lambert - Dredged areas.
430(T)/97	1316	St. Lawrence River - Québec Harbour - Maintained area remains temporarily reduced.
115(P)/98	4954	Gulf of St. Lawrence - Îles de la Madeleine - Grande Entrée - Sector light.
116(P)/98	4954	Gulf of St. Lawrence - Îles de la Madeleine - Shoal depths.
142(T)/98	1310	St. Lawrence River - Montréal Harbour - Île aux Cerfeuilis - Submerged obstacle.
510(P)/98	1351	Québec - Rivière Richelieu - Île Goyer - Rocks.
517(P)/98	- - - -	Québec - Rivières Richelieu, des Prairies, des Outaouais - Vertical clearances under cables - Caution.
703(P)/98	1233	St. Lawrence River - Île aux Coudres - Shoal depths.
719(P)/98	LC 1236	St. Lawrence River - Matane - Depths.
767(P)/98	- - - -	Prince Edward Island - Fog signals to be discontinued.
771(P)/98	- - - -	Cape Breton Island - Enragée Point and Beach Point - Fog signal and light to be discontinued.
772(P)/98	- - - -	Chaleur Bay - Miscou Island - Fog signal to be discontinued.
956(P)/98	- - - -	St. Lawrence River - Thousand Islands, Brockville to Kingston - Buoys and light.

957(P)/98	- - - -	St. Lawrence River - Kingston Harbour and Approaches - Aids to navigation.
1122(T)/98	1316	St. Lawrence River - Pointe de la Martinière - Light buoy.
1137(P)/98	1339, 1338	St. Lawrence River - Île Bouchard - Shoal depths.
1140(P)/98	1312, 1338	St. Lawrence River - Lac Saint-Pierre - Sorel - Shoal depths.
1150(P)/98	1230	St. Lawrence River - Péninsule de la Gaspésie - Cap-Chat - Breakwaters.
1151(P)/98	1339	St. Lawrence River - Varennes - Shoal depths.
1159(P)/98	- - - -	Gulf of St. Lawrence - Miramichi Bay and River - Range lights to be discontinued.
1160(P)/98	- - - -	Gulf of St. Lawrence - Miramichi Bay and River - Range lights to be discontinued.
1746(T)/98	1509	Rivière des Milles-Îles – Laval – Shoal.
1940(P)/98	- - - -	St. Lawrence River - Île Verte - Light to be discontinued.
2111(P)/98	1338, 1339	St. Lawrence River – Contrecoeur – Shoal depths.
2128(T)/98	1509	Québec – Rivière des Prairies – Laval – Log boom.
2134(P)/98	1339	St. Lawrence River – Île Bouchard – Shoal depths.
2305(P)/98	1310	St. Lawrence River - Montréal Harbour - Montréal-Est - Maintained area.
2308(P)/98	1310	St. Lawrence River - Montréal Harbour - Wharf 46 - Maintained area.
2309(P)/98	1310	St. Lawrence River - Montréal Harbour - Wharf 45 - Maintained area.
2321(P)/98	LC 1221	St. Lawrence River - Baie des Moisie - Rocks and shoal depths.
2330(T)/98	LC 1236	St. Lawrence River - Baie Verte - Light discontinued temporarily.
2346(P)/98	- - - -	St. Lawrence River - Canadian Middle Channel - Buoy to be discontinued.
		(6) ST. LAWRENCE SEAWAY, GREAT LAKES AND THE INLAND LAKES AND RIVERS
826(T)/85	2028	Ontario - Lake Simcoe - Cook's Bay - Maskinongé (Jersey) River Entrance - Light established temporarily.
367(T)/88	2222, 2239, 2202	Lake Huron - Georgian Bay - Midland Bay - Tiffin Basin - Wye River Approach - Shoal reported.
90(T)/90	L/C 2077, 2086	Lake Ontario - Off Long Branch - Temporarily cautionary light discontinued - Cautionary lights established temporarily.
610(T)/90	6242	Manitoba - Red River - Lockport - St. Andrews Lock - Bascule lift non-operational - Caution.

150(T)/91	- - - -	Québec - Rivière des Prairies - Booms established temporarily - Caution.
380(P)/91	2268, 2257, 2299	Lake Huron - North Channel - East of Arnold Rock - Shoal reported.
651(T)/91	2022	Ontario - Trent-Severn Waterway - Rice Lake - South of Birdsalls Point - Light buoy established temporarily.
725(T)/91	2181	Lake Erie - Port Stanley - Information about depths.
769(T)/91	2291	Lake Huron - Goderich Harbour - Results of survey.
811(P)/91	2202	Lake Huron - Georgian Bay - Moon Bay - Information about shoals.
965(T)/91	L/C 2228, 2260	Lake Huron - Grand Bend - St. Joseph - Submerged obstruction reported.
123(P)/92	2202	Lake Huron - Georgian Bay - Parry Island - Off Wynn Island - Shoal depth reported.
214(P)/92	1510	Québec - Lac des Deux Montagnes - Rivière des Prairies - Île Bigras - Information about height of bridge.
355(P)/92	6218, 6212, 6201	Ontario - Lake of the Woods - From Devils Gap to Lunny's Island - Light and spar buoys to be discontinued - Spar buoys to be established.
525(T)/92	2023	Ontario - Trent-Severn Waterway - Otonabee River - Lakefield - Pier under reconstruction - Caution.
563(P)/92	1510	Québec - Ottawa River - Lac des Deux Montagnes - Rivière des Prairies - Plage Noël - Information about new pipeline.
667(P)/92	6218	Ontario - Lake of the Woods - Off Kenora - Spar buoy to be discontinued.
703(T)/92	2251	Lake Huron - St. Joseph Channel - Thessalon - Light discontinued temporarily - Light buoy established temporarily.
812(T)/92	L/C 2122, L/C 2123, L/C 2100	Lake Erie - Pelee Passage - Southeast Shoal - Radiobeacon discontinued temporarily.
172(P)/93	2202	Lake Huron - Georgian Bay - Severn Sound - Information about depths.
51(P)/94	2304	Lake Superior - Patterson Island - Lawrence Bay - Information about shoal.
53(P)/94	2268, 2259, 2299	Lake Huron - North Channel - Whalesback Channel - Beardrop Harbour - Shoal reported.
54(P)/94	2202	Lake Huron - Georgian Bay - Anker Pint Islet - Moon Bay - Shoals reported.
115(P)/94	L/C 2245, L/C 2201, 2204, 2205	Lake Huron - Georgian Bay - Red Rock Point - Fog signal to be discontinued.
121(P)/94	2181, L/C 2110	Lake Erie - Port Dover - Fog signal to be discontinued.
162(P)/94	L/C 2123	Lake Erie - Pelee Island - Information about fish haven.

176(P)/94	L/C 2228, L/C 2200, 2260, 2261	Lake Huron - Bayfield - Fog signal to be discontinued.
177(P)/94	2291, L/C 2228, 2261	Lake Huron - Goderich Harbour - Fog signal to be discontinued.
178(P)/94	2291, L/C 2228, L/C 2200, 2261	Lake Huron - Kincardine - Fog signal to be discontinued.
179(P)/94	2292	Lake Huron - Saugeen River - Fog signal to be discontinued.
180(P)/94	2273, 2235, 2298, L/C 2200	Lake Huron - South Baymouth - Fog signal to be discontinued.
182(P)/94	2235, 2282, L/C 2201	Lake Huron - Georgian Bay - Cabot Head - Fog signal to be discontinued.
476(T)/94	L/C 2058, L/C 2077	Lake Ontario - Off Port Darlington - Scientific spar buoys established temporarily.
648(T)/94	- - -	Inland Waters - System reviews.
99(P)/95	- - - -	Lake Superior - Systems review of lightstations.
244(T)/95	2181, LC 2121	Lake Erie - Port Burwell - Light changed temporarily.
650(P)/95	2069	Ontario - Bay of Quinte - Trenton - Mooring rafts - Light - Spar buoy.
683(P)/95	2085, 2086, LC 2077	Lake Ontario - Toronto Harbour - Toronto Harbour Aquatic Park - Light and racon to be discontinued.
736(P)/95	2292	Lake Huron - Saugeen River - Light.
739(P)/95	2085, LC 2077, 2086	Lake Ontario - Western Gap - Range lights to be discontinued.
305(P)/96	- - - -	Great Lakes - Detroit River - Amherstburg - Fog signal to be discontinued.
507(P)/96	LC 2123	Great Lakes - Detroit River - Light to be changed.
603(T)/96	2067, 2086, LC 2077	Lake Ontario - Burlington Canal Entrance - Light buoy established temporarily.
747(P)/96	2069, 2021	Lake Ontario - Bay of Quinte - Result of survey.
106(P)/97	1409	St. Lawrence Seaway - Canal de la RiveSud - LaSalle and Île des Soeurs - Buoys.
120(P)/97	1409	St. Lawrence Seaway - Canal de la RiveSud - Sainte-Catherine - Outfall.
332(P)/97	2202	Lake Huron - Georgian Bay - Port Severn to Parry Sound - Depths.
333(P)/97	2239	Lake Huron - Georgian Bay - Port Severn to Hope Island - Depths.
334(P)/97	2289	Lake Huron - Georgian Bay - Giants Tomb Island to Lone Rock - Depths.
335(P)/97	2289	Lake Huron - Georgian Bay - Giants Tombs Island to Lone Rock - Depths.

336(P)/97	2239	Lake Huron - Georgian Bay - Port Severn to Hope Island - Depths.
361(P)/97	2250	Lake Huron - St. Joseph Channel - Richards Landing - Breakwater.
367(P)/97	LC 2100, LC 2122	Lake Erie - Pointe aux Pins - Light to be changed.
368(P)/97	2251, 2297	Lake Huron - Cockburn Island - Tolsmaville - Light to be discontinued.
369(T)/97	2251, 2297	Lake Huron - Cockburn Island - Light temporarily discontinued.
403(P)/97	2239, 2202	Lake Huron - Georgian Bay - Beausoleil Island to Giants Tomb Island - Buoys.
407(T)/97	1510	Québec - Lac des Deux Montagnes - Anse de Vaudreuil - Shoal reported.
439(P)/97	2312	Lake Superior - Nipigon Bay - Lights.
446(P)/97	- - - -	Ontario - Wiarton - DGPS Initial Operational Service (IOS).
450(P)/97	2305, 2303, 2312, 2304	Lake Superior - Nipigon Bay - Jackfish Bay, Simpson Island, MacInnes Point Lights to be discontinued.
531(P)/97	1553	Québec - Ottawa River - Desjardinsville - Light.
533(P)/97	2239, 2289	Lake Huron - Georgian Bay - Cognashene By Pass - TheWhalesback - Buoys.
103(P)/98	- - - -	Lake Superior - Fog signals to be privatized.
104(P)/98	- - - -	Lake Erie - Port Colborne - Front range light to be discontinued.
505(P)/98	LC 2123	Lake Erie - Pelee Passage - Buoys to be relocated and discontinued.
506(T)/98	2085, LC 2077, 2086	Lake Ontario - Humber River Entrance - Construction.
723(P)/98	- - - -	Ontario - Kenora - Amendments to the aids to navigation level of service - 1998.
1109(P)/98	- - - -	Lake Ontario - Presqu'île Bay - Buoys and range lights.
1125(P)/98	2069, 2021	Lake Ontario - Bay of Quinte - Trenton - Results of survey.
1148(T)/98	LC 2282	Lake Huron - Georgian Bay - Colpoy's Bay - Barge.
1723(P)/98	2239	Lake Huron - Georgian Bay - Christian Island - Lighthouse Point - Buoy.
1724(P)/98	2215	Lake Huron - Georgian Bay - Collingwood Harbour - Buoys.
1939(T)/98	- - - -	Ontario - Lost Lake - Lights discontinued temporarily.
1959(P)/98	- - - -	Lake Huron - Georgian Bay - Aids to navigation to be changed.
2125(P)/98	1510	Québec - Ottawa River - Carillon - Shoal depth.
2154(P)/98	1514	Québec - Ottawa River - Lac Dollard-des-Ormeaux - Dangerous underwater rock.

2169(P)/98	----	Lake Erie – Aids to navigation to be changed.
2170(P)/98	----	Lake Ontario – Kingston Approaches and North Channel – Aids to navigation to be changed.
2171(P)/98	----	Lake Ontario – Bay of Quinte – Aids to navigation to be changed.
2172(P)/98	----	St. Lawrence River – Thousand Islands – Aids to navigation to be changed.
(AMA8035-10-1)		(CCG-H99-002)

***147 NEWFOUNDLAND, EAST COAST - BONAVIDA BAY - Buoys.**

This information is applicable to British Admiralty chart 293.

A red spar buoy, marked JR4 has been established in 48°43'14".1 N 53°47'01".3 W.

A green spar buoy, marked JS1 has been established in 48°27'19" N 53°33'06".8 W.

A red spar buoy, marked JS2 has been established in 48°27'16".9 N 53°33'09".5 W.

(AMA8035-10-5-2)

(CCG-N98-070-072)

***146(P) NEW BRUNSWICK - GRAND MANAN - Aids to be discontinued.**

The Canadian Coast Guard proposes to permanently discontinue the following aids to navigation:

Chart 4124

Seal Cove Breakwater (L.L. 17) (44°39'01".4 N 66°50'17" W)
 Seal Cove light and bell buoy XAD (L.L. 13) (44°35'45".3 N 66°51'58".9 W)
 Joe's Point red light buoy XA8 (L.L. 18) (44°38'24".3 N 66°48'47".9 W)
 Shag Head Breaker red spar buoy XE2 (44°36'03" N 66°49'45".5 W)
 Little Wood Island green spar buoy XE3 (44°36'38".2 N 66°49'41" W)
 Letete Passage Light and Fog signal (L.L. 71) 45°02'19".8 N 66°53'30".9 W

Chart 4340

Chart 4342

North Head Harbour (L.L. 31) (44°45'40".1 N 66°44'56".5 W)
 Grand Harbour Inner green can buoy XK17 (44°39'50" N 66°45'16" W)

Comments on this action are solicited from mariners and other interested parties and should be directed to the Superintendent, Marine Navigation Services, Canadian Coast Guard - Fundy Zone, P.O. Box 7730, Station A, Saint John, N.B., E2L 4X6, Telephone (506) 636-4703, 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.

(AMA8035-10-7-7)

(CCG-F98-181-191)

***129(T) CANADA – Safety of offshore exploration and exploitation vessels.**

Reference: Notice 1922(T)/98 cancelled.

1998 Annual Edition of Notices to Mariners, No. 20, pages A20-1 to A20-4.

Mariners are advised that offshore exploration and exploitation vessels are conducting drilling operations in the following approximate positions:

Well Name	Drilling Unit	Co-ordinates
Gulf of St. Lawrence		
NIL		
Mackenzie Delta		
NIL		
Beaufort Sea		
NIL		
Yukon		
NIL		
Arctic Islands		
NIL		

For information on Nova Scotia or Newfoundland Offshore activities, please contact: C-NSOPB (902) 422-5588; C-NOPB (709) 778-1400

NOTE: Mariners are advised to obtain up-to-date position reports on drilling vessels and production installations before entering an area of exploration or exploitation. This information is available by contacting, as appropriate, ECAREG CANADA, NORDREG CANADA or CVTS OFFSHORE via any Marine Communications and Traffic Services Centre (MCTS).

(AMA8035-10-17)

(NEB-H99-001)

***121 CANADIAN HYDROGRAPHIC SERVICE – Small Craft Guide.**

The British Columbia Small Craft Guide Volume 2, Eight edition 1990 has been discontinued.

(AMA8035-10-35)

(DFO-H98-119)

***154 CANADA - Sea Coasts of Canada - GMDSS and Domestic Ships.**

Mariners operating on the sea coasts of Canada are advised that the Global Maritime Distress and Safety System (GMDSS) completes its phase-in internationally on February 1, 1999. As a result, ships subject to the International Convention for the Safety of Life at Sea (SOLAS), which include **passenger ships of any size and cargo ships of 300 gross tonnage and over** making international voyages, will no longer be obligated to maintain a listening watch on medium frequency (MF) 2182 kHz. SOLAS ships will instead be maintaining an automated watch using digital selective calling (DSC) on 2187.5 kHz. With respect to very high frequency (VHF) communications, SOLAS ships will be maintaining a DSC watch on VHF channel 70 (156.525 MHz); however, as an interim measure until February 1, 2005, they are also required to maintain the voice listening watch on VHF channel 16 (or vessel traffic service zone channel, as appropriate). It should be noted in the GMDSS, DSC messages are used for making initial contact and follow-up communications will still take place on the usual voice channels.

Furthermore, with the GMDSS comes the ability for suitably equipped ships to send long-range rapid distress alerts and messages to coast stations through the Inmarsat A, B or C systems, or by using high frequency (HF) DSC through one of the United States coast radio stations that now maintain an HF DSC watch on dedicated HF frequencies.

In light of the above:

- I. for ship-to-ship distress alerting, ships operating beyond the VHF coverage area should consider carrying an MF radio installation which includes facilities for transmitting and receiving distress alerts by DSC on 2187.5 kHz;
- II. for effective ship-to-shore distress alerting and shore-to-ship communications, ships operating beyond the VHF coverage area are strongly encouraged to carry either:
 - A. an Inmarsat A, B or C terminal (Inmarsat C with Enhanced Group Call (EGC) is recommended when operating outside of Navtex coverage), or;
 - B. an MF/HF radio installation which includes facilities for:
 1. transmitting and receiving, for distress and safety purposes by radiotelephony, narrow band direct-printing and DSC on all distress and safety frequencies between 1,605 kHz and 4,000 kHz (MF) and between 4,000 kHz and 27,500 kHz (HF), and;
 2. maintaining a DSC watch on 2187.5 kHz, 8414.5 kHz and on at least one of 4207.5, 6312, 12577 or 16,804.5 kHz;
- III. all ships operating on the sea coasts of Canada are strongly encouraged, when purchasing new marine radiocommunications equipment, to purchase GMDSS equipment appropriate to their area of operation and that complies fully with the latest International Maritime Organization (IMO) performance standards; and
- IV. ships carrying an Inmarsat A, B or C terminal and equipment capable of MF or HF DSC should ensure there are two navigation officers who have received the proper training and hold a GMDSS General Operator Certificate, issued by Industry Canada, and ships carrying VHF DSC equipment should ensure all operators hold a GMDSS Restricted Operator Certificate.

Question on this notice may be directed to:

Russ Renaud,
 Radio and Navigational Technical Advisor
 Marine Safety
 Tower C, Place de Ville
 330 Sparks Street
 Ottawa, K1A 0N8
 Telephone: (613) 998-0602
 Facsimile: (613) 993-8196
 Internet e-mail: renauru@tc.gc.ca

***173 CANADA - TRANSPORT CANADA PUBLICATIONS – Ship Safety Bulletins - 1998.**

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
No. 7	May 21, 1998	MERCURY (Hg) CONTAMINATION
No. 8	June 12, 1998	IMPLEMENTATION OF STCW - 95 TRANSITIONAL ARRANGEMENTS
No. 9	August 5, 1998	ARRANGEMENTS WITH RESPONSE ORGANIZATION (ROs)
No. 10	August 19, 1998	RECOMMENDATIONS FOR ENTERING ENCLOSED SPACES ABOARD SHIPS
No. 11	Oct 5, 1998	REQUIREMENTS FOR SERVICING OF LIFERAFTS BY AUTHORISED PERSONNEL ONLY
No. 12	Oct 1, 1998	ACCESS LADDERS AND GANGWAYS
No. 13	Oct 26, 1998	CODE OF PRACTICE FOR THE SAFE LOADING AND UNLOADING OF BULK CARRIERS
No. 14	Oct 27, 1998	RADAR REFLECTORS ON SMALL VESSELS - FITTINGS AND LIMITATIONS
No. 15	Nov 2, 1998	PERSONAL LOCATOR LIGHTS
No. 16	Nov 18, 1998	INTERNATIONAL MARITIME DANGEROUS GOODS CODE
No. 17	Dec 2, 1998	SHIP/SHORE BONDING CABLE BY TERMINAL
No. 18	Dec 9, 1998	CESSATION OF THE ISSUE OF EQUIVALENT CANADIAN CERTIFICATES TO HOLDERS OF SELECTED COMMONWEALTH CERTIFICATES
No. 19	Dec 12, 1998	POTENTIAL FIRE RISK - LAUNDRY VENTILATION SYSTEMS
No. 20	Dec 15, 1998	SEA COASTS OF CANADA - GMDSS AND DOMESTIC SHIPS

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

Transport Canada
Marine Safety

AMSB, Tel. (613) 991-3135
 Fax # (613) 990-6191
 Tower C, Place de Ville
 330 Sparks Street, 11th floor
 Ottawa, Ontario
 K1A 0N8

(AMA8035-10-1)

(CCG-H99-032)

***158 ST. LAWRENCE RIVER - MONTMAGNY.**

Unlighted buoy MONTMAGNY (access channel Montmagny) (46°59'26" N 70°33'11" W) has been permanently removed.

(AMA8035-10-5-9)

(CCG-L96-095B)

***156 QUÉBEC - CHAMPLAIN LAKE – MISSISQUOI BAY - Buoys.**

These following buoys define the Canada/USA boundary in Missisquoi Bay in Lake Champlain.

An orange and white information pillar buoy (L.L. 2272.9) FI Y 4s marked "DOUA-1" has been permanently established in 45°00'47" N 73°12'09".5 W.

An orange and white information pillar buoy (L.L. 2272.91) FI Y 4s marked "DOUA-2" has been permanently established in 45°00'49" N 73°10'50" W.

An orange and white information pillar buoy (L.L. 2272.92) FI Y 4s marked "DOUA-3" has been permanently established in 45°00'52".5 N 73°06'44" W.

(AMA8035-10-5-9)

(CCG-L98-086)

***176 CANADIAN HYDROGRAPHIC SERVICE – Policy on electronic charting.**

The CHS Policy on NTX as of April 1, 1999 is as follows:

1. S57 is the official format for ENC's in Canada; they are available for some areas of Canada and this area is expanding as per the resources available to convert these data.
2. The NTX electronic chart (EC) product is supported by CHS in those cases where there is no S57 ENC coverage. CHS will continue to maintain the NTX EC product files up-to-date until the S57 ENC equivalent is released. After this point the NTX will not be maintained by CHS.
3. CHS cannot subsidize the continued production and maintenance of both NTX EC products and S57 ENC's. Therefore where S57 products are created, production of NTX will cease. CHS will cooperate with commercial entities wishing to continue NTX production. Shipowners are advised to contact their ECDIS vendor or agent as to availability and pricing.

For detailed information please refer to the CHS web site at <http://www.chs-shc.dfo-mpo.gc.ca> or issue number 14 of Maritime Magazine.

(AMA8035-10-35)

(DFO-H99-029)

***177(P) ONTARIO - LAKE MUSKOKA, LAKE ROSSEAU AND LAKE JOSEPH - Aids to navigation to be changed.**

THE CANADIAN COAST GUARD PROPOSES TO MAKE THE FOLLOWING CHANGES TO THE AIDS TO NAVIGATION IN LAKE MUSKOKA, LAKE ROSSEAU AND LAKE JOSEPH

AID ID NUMBER	Chart	Deg	Latitude		Longitude		Proposal	
			Min	Sec	Deg	Min		Sec
AC5	6021	45	00	00	79	35	34.5	Discontinue
YAJ	6021							Discontinue
AH2	6021	45	01	34.5	79	33	06	Propose to Discontinue and establish Daybeacon
AA	6021	45	03	18	79	31	10	Change to Starboard Hand Buoy numbered AA2
AA2	6021	45	03	12	79	31	19	Discontinue AA2 (New Buoy will be established)
AJ	6021	45	04	18	79	31	55	Change to Port hand Buoy "A15" and reposition to 45 04 16 79 31 54
CA	6021	45	03	44	79	36	45	Change to Spar "C11" and reposition to 45 03 43 79 36 47
C11	6021	45	03	44	79	36	30	Renumber buoy to "C13"
C13	6021	45	03	31	79	35	46	Renumber buoy to "C15"
C15	6021	45	03	24	79	34	36	Discontinue
C19	6021	45	02	46	79	33	19	Discontinue
CC1	6021	45	02	55	79	33	58.5	Discontinue
CC2	6021	45	02	54	79	33	56	Discontinue
CC	6021	45	03	35	79	32	34	Change to West Cardinal Buoy and reposition to 45 03 37 79 32 33
C26	6021	45	03	40	79	32	29	Discontinue
C27	6021	45	03	44	79	32	37	Discontinue
CD	6021	45	04	27	79	32	29	Change to North Cardinal Buoy
CE	6021	45	05	13	79	33	21	Change to North Cardinal Buoy
DK1	6021	45	03	29.5	79	29	05	Discontinue
DH3	6021	44	59	52	79	27	13	Discontinue
DD1	6021	44	59	53	79	28	55	Discontinue
DD2	6021	44	59	52	79	28	54	Discontinue
DC5	6021	45	00	11	79	29	14	Discontinue
DC6	6021	45	00	14	79	29	15	Discontinue
DC7	6021	45	00	18	79	29	15	Discontinue
EN2	6021	45	00	47	79	24	52	Discontinue
EH9	6021	45	01	11	79	23	32	Discontinue
EH10	6021	45	01	10.5	79	23	31	Discontinue
EH11	6021	45	01	13	79	23	31	Discontinue
EH12	6021	45	01	12.5	79	23	29	Discontinue
EN5	6021	44	59	51	79	24	07	Discontinue
EN8	6021	44	59	14.5	79	25	26	Discontinue
EJ11	6021	44	57	27	79	23	42	Discontinue
ES	6021	44	55	45	79	23	30	Discontinue

ES1	6021	44	55	58	79	23	20	Discontinue
HE6	6021	45	05	56	79	30	51	Discontinue
HH1	6021	45	05	23	79	30	05.8	Change to isolated danger buoy
HH3	6021	45	05	28	79	30	08	Discontinue
HA	6021	45	04	52	79	31	20	Change to Starboard Buoy "HA6" and reposition to 45 04 51 79 31 22
HJ1	6021	45	04	44	79	31	05	Discontinue
HJ2	6021	45	04	43	79	31	04	Discontinue
HJ	6021	45	04	32	79	29	48	Change to West Cardinal Buoy
H9	6021	45	03	39	79	28	00	Discontinue
HK	6021	45	03	25	79	27	50.5	Change to Port Hand Buoy "H9"
HM	6021	45	02	31	79	23	59	Change to South Cardinal Buoy
K19	6022	45	08	14	79	34	57.5	Discontinue
KC3	6022	45	08	53	79	35	35	Discontinue
KC4	6022	45	08	52	79	35	34	Discontinue
KC5	6022	45	08	56	79	35	31	Discontinue
KC6	6022	45	08	55	79	35	31	Discontinue
KA7	6022	45	08	56	79	35	10	Renumber to "KA5"
KD	6022	45	09	09	79	35	20	Change to Port Hand Buoy "KA7" and reposition to 45 09 08 79 35 19
KE	6022	45	09	21	79	35	44	Change to North Cardinal Buoy
KH	6022	45	09	21.5	79	35	54	Change to North Cardinal Buoy
YKD	6022	45	08	55	79	35	47	Change to Starboard buoy KD4 and reposition to 45 08 51 79 35 50
K22	6022	45	08	14	79	36	32	Reposition to 45 08 15 79 36 30
KA	6022	45	08	09	79	36	42	Discontinue
KM1	6022	45	08	51	79	39	35	Discontinue
KH1	6022	45	09	19	79	37	42	Discontinue
KK	6022	45	08	45	79	37	23	Change to Isolated Danger Buoy
KJ	6022	45	10	03	79	37	56	Change to East Cardinal Buoy and reposition to 45 10 05 79 37 55
KA12	6022	45	10	10	79	37	08	Discontinue
MH2	6022	45	08	17	79	34	09	Discontinue
MA6	6022	45	07	19	79	33	14	Discontinue
MP	6022	45	08	23	79	32	15	Discontinue
MD4	6022	45	08	27	79	32	08	Discontinue
MD6	6022	45	09	28	79	31	45	Changed to south cardinal buoy and reposition to 45 09 28 79 31 44
MD8	6022	45	09	32	79	31	49	Discontinue
MQ	6022	45	09	21	79	32	53	Change to West Cardinal Buoy
MQ1	6022	45	09	16	79	32	10	Discontinue
MQ3	6022	45	09	21	79	31	54	Discontinue
M2	6022	45	08	49	79	33	32	Discontinue
MV	6022	45	11	46	79	34	52	Change to an Isolated Danger Buoy and reposition to 45 11 47 79 34 52
M11	6022	45	12	19	79	36	56	Change to North Cardinal Buoy
KK1	6022	45	08	53	79	40	12	Discontinue

KK3	6022	45	08	50	79	40	06	Discontinue
KP	6022	45	08	46	79	40	02	Discontinue
K39	6022	45	09	27	79	40	44	Reposition
K40	6022	45	09	27	79	40	44	Reposition
K41	6022	45	09	27	79	40	44	Discontinue
K42	6022	45	09	27	79	40	44	Discontinue
ND1	6022	45	06	19	79	36	48	Discontinue
NA	6022	45	08	28	79	42	33	Change to Starboard buoy "NE2" and reposition to 45 08 27.5 79 42 33
NK3	6022	45	08	57	79	42	19	Discontinue
NP1	6022							Discontinue
YNP	6022							Discontinue
NT	6022	45	09	39	79	42	47	Change to Starboard buoy " NT2" and reposition to 45 09 39 79 42 48
NM6	6022	45	09	49	79	42	33	Discontinue
NC	6022	45	10	17.5	79	42	42	Change to Spar NC2 and reposition to 45 10 17 79 42 46
ND	6022	45	10	22	79	42	54	Change to Spar NC4 and reposition to 45 10 20 79 42 54
NJ	6022	45	10	32	79	43	02	Change to Spar NC6 and reposition to 45 10 32 79 43 04
NS2	6022	45	12	41.5	79	44	35	Discontinue
NN	6022	45	13	03.5	79	43	50	Change to West Cardinal Buoy
PP	6022	45	08	27	79	40	32	Change to Starboard buoy P6
P6	6022	45	08	54	79	41	03	Discontinue
P15	6022	45	09	50	79	42	14	Discontinue
P16	6022	45	09	57	79	41	57	Change to West Cardinal Buoy
P17	6022	45	10	02	79	42	02	Discontinue
P18	6022	45	10	02	79	41	58	Discontinue
P23	6022	45	11	03	79	41	44	Discontinue
PC	6022	45	12	26	79	40	57	Change to Spar P28 and reposition to 45 12 28 79 41 00
PE	6022	45	11	00	79	43	37	Change to an South Cardinal Buoy
PH	6022	45	11	06	79	43	35	Change to an North Cardinal Buoy

Comments on this action are solicited from mariners and other interested parties and should be directed to the Supervisor, Marine Aids Program, P.O. Box 310, 28 Waubeek St., Parry Sound, Ontario, P2A 2X4, Telephone (705) 746-2196, Facsimile (705) 746-4820 within three months of publication of this notice. Any objections should state the facts on which they are based and should include information on safety, commerce and public benefit to support their statement.

(AMA8035-10-5-13)

(CCG-H99-033)

153(T) GRONLAND, WEST COAST - JULIANEHAAB BUGT - Radar transponder beacons temporarily established.

Charts (Temporarily affected) - LC 5001(INT 405)(NAD 27)(1) - LC 7011(2) - 7010(3)

- | | |
|-----------------------------|-------------------------|
| 1. Radar transponder beacon | 60°43'16" N 46°58'30" W |
| 2. Radar transponder beacon | 60 43 30 N 46 56 30 W |
| 3. Radar transponder beacon | 60 43 30 N 46 59 30 W |
| (AMA8035-10-1) | (DEN-H98-892) |

***170 NEWFOUNDLAND, SOUTHEAST COAST - BRANCH COVE AND GREAT PARADISE - Buoy.**

Charts (Last correction) - LC 4842(NAD 83)(1)(587/97) - LC 4622(NAD 27)(2)(1527/98)

- | | | |
|--------|--|---------------------------|
| 1. Add | green lighted spar buoy FI G, marked MB3 | 46°52'40" N 53°56'52".7 W |
| 2. Add | green lighted spar buoy FI G, marked MB3 | 46 52 40.3 N 53 56 56 W |

NOTE: Digital data products 4622R/M, 4842R/M, 76135(4842) and 76173(4622) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2) (CCG-N98-182, DFO-H99-006)

***111 NEWFOUNDLAND - PLACENTIA BAY - ST. LAWRENCE HARBOUR - Wreck.**

Chart (Last correction) - LC 4624(1)(1914/98)

- | | | |
|--------|---------------------|-------------------------|
| 1. Add | non-dangerous wreck | 46°49'53" N 55°16'15" W |
|--------|---------------------|-------------------------|

NOTE: Digital data products 4624R/M and 76176(4624) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-14) (CCG-N98-177, DFO-H99-002)

***171 NEWFOUNDLAND, EAST COAST - NOTRE DAME BAY - PILLEY'S TICKLE - B uoy.**

Charts (Last correction) - 4591(Plan, Pilley's Island Harbour)(1)(233/89) - 4593(1)(876/84)

- | | | |
|--------|--|-------------------------|
| 1. Add | red lighted spar buoy FI R, marked DP6 | 49°29'48" N 55°41'54" W |
|--------|--|-------------------------|

NOTE: Digital data products 4591R/M and 4593R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2) (CCG-N98-112,304, DFO-H99-017)

***169 NEWFOUNDLAND - LABRADOR - OLD KING ROCK - Buoy.**

Chart (Last correction) - 4702(NAD 27)(1)(728/92)

- | | | |
|--------|--|---------------------------|
| 1. Add | east cardinal light buoy BYB
Q(3)10s, marked NK | 53°07'46".8 N 55°43'14" W |
|--------|--|---------------------------|

(AMA8035-10-5-2)

(CCG-N98-291, DFO-H99-016)

***159 NEWFOUNDLAND - LABRADOR - BLACK BEAR BAY - Buoys.**

Charts (Last correction) - 4744(2)(685/92) - 4745(NAD 27)(2)(69/94) - 4703(NAD 27)(1, 2)(572/94)

- | | | |
|--------|--|---------------------------|
| 1. Add | red light buoy FI R, marked NL14 | 53°18'48".6 N 55°45'09" W |
| 2. Add | lighted isolated danger buoy BRB
FI(2) 5s, marked NLG | 53 21 07 N 55 44 09 W |

(AMA8035-10-5-2)

(CCG-N98-234,317, DFO-H99-015)

***131 NEWFOUNDLAND, SOUTH COAST - HERMITAGE BAY AND ROTI BAY - Buoys.**

Chart (Last correction) - 4644(NAD 27)(1,2)(519/97)

- | | | |
|--------|---|----------------------------------|
| 1. Add | legend Channel Buoyed | 47°47'47" N 55°52'15" W (approx) |
| 2. Add | red lighted spar buoy FI R, marked
V28 | 47 31 19.2 N 56 08 42 W |

NOTE: Digital data products 4644R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-385-393, DFO-H99-008)

***109 LABRADOR - RED BAY - Buoy.**

Chart (Last correction) - 4669(1)(1141/98)

- | | | |
|--------|-----------------------------------|--|
| 1. Add | green light buoy FI G, marked NR3 | 187° 15.2 cables from Penney Island
observation spot
(51°43'47" N 56°25'00" W) |
|--------|-----------------------------------|--|

(AMA8035-10-5-2)

(CCG-N98-212, DFO-H98-114)

***142 NEWFOUNDLAND, NORTHWEST COAST - ST. BARBE BAY - Buoys and light.**

Chart (Last correction) - 4667(1-3)(220/94)

- | | | |
|--------|---|--|
| 1. Add | red lighted spar buoy
FI R, marked XB2 | 251° 11 cables from St. Barbe
wharf light |
|--------|---|--|

(51°12'15".2 N 56°46'25".5 W)

- | | | |
|--------|---|---|
| 2. Add | green lighted spar buoy
FI G, marked XB1 | 250°44' 10.4 cables from St. Barbe
wharf light |
| 3. Add | light FI R | 247°22' 10.5 cables from St. Barbe
wharf light |

(AMA8035-10-5-2)

(CCG-N98-155,194,195, DFO-H99-007)

***141 LABRADOR COAST - APPROACHES TO CARTWRIGHT - OFF HUNTINGDON ISLAND -
Light.**

Charts (Last correction) - 5138(NAD 83)(1,2)(1131/98) - 5134(3)(1344/98)

Reference: Notice 1131/98.

- | | | |
|-----------|---------------------------|---------------------------|
| 1. Delete | light | 53°47'39" N 56°48'15" W |
| 2. Add | light FI 77ft | 53 47 39.2 N 56 48 11.5 W |
| 3. Amend | FI G 77ft to read FI 77ft | 53 47 39 N 56 48 15 W |

NOTE: Digital data products 5138R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-295, DFO-H99-010)

***143 LABRADOR COAST - APPROACHES TO CARTWRIGHT - EAST OF H UNTINGDON
ISLAND - Range lights.**

Charts (Last correction) - 5138(NAD 83)(1-4)(141/99) - 5134(5-8)(141/99)

- | | | |
|--------|-------------------------------|---|
| 1. Add | Front - FR 43 ft range lights | 53°46'20".7 N 56°51'21".5 W |
| 2. | Rear - FR 89 ft | 264°31' 365.8 m (1200 ft) from
front light |
| 3. | legend 264 1/2° | 53 46 27 N 56 49 42 W (approx) |
| 4. | legend 084 1/2° | 53 46 31 N 56 48 06 W (approx) |
| 5. | Front - FR 43 ft range lights | 53°46'20".5 N 56°51'25" W |
| 6. | Rear - FR 89 ft | 264°31' 365.8 m (1200 ft) from
front light |
| 7. | legend 264 1/2° | 53 46 29 N 56 49 33 W (approx) |
| 8. | legend 084 1/2° | 53 46 40 N 56 45 21 W (approx) |

NOTE: Digital data products 5138R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-377,378, DFO-H99-011)

***144 NEWFOUNDLAND - SANDWICH BAY - CARTWRIGHT HARBOUR - Light.**

Chart (Last correction) - 5138(Inset, Cartwright Harbour)(NAD 83)(1)(143/99)

1. Add light FI R 53°42'11" N 57°01'16".5 W

NOTE: Digital data products 5138R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-294, DFO-H99-144)

***145 NEWFOUNDLAND - SANDWICH BAY - HUNTINGDON FLATS - LEADING MARK ISLAND - Light.**

Charts (Last correction) - 5138(NAD 83)(1)(144/99) - 5134(2)(143/99)

1. Add light FI G 53°45'30" N 57°03'59".4 W

2. Add light FI G 53 45 29.6 N 57 04 03.5 W

NOTE: Digital data products 5138R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-301, DFO-H99-013)

***115 NEWFOUNDLAND, SOUTH COAST - THE BURGEO ISLANDS - BAY DE LOUP POINT - Lights.**

Charts (Last correction) - 4637(Plan, The Burgeo Islands)(NAD 27)(1)(518/97) - 4634(2)(2106/98)

1. Add light FI 47°37'19".5 N 57°33'07" W

2. Add light FI 47 37 19.5 N 57 33 33 W

NOTE: Digital data products 4634R/M and 4637R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-277, DFO-H99-003)

***100 LABRADOR - BYRON BAY - Lights.**

Charts (Last correction) - 5043(1,2)(392/97) - 5135(NAD 27)(3)(735/96)

1. Add light FI 54°43'40".8 N 57°41'21" W

2. Add light FI 37 m 54 40 22.2 N 57 29 52.8 W

3. Add light FI 123 ft 54 40 22.2 N 57 29 52.8 W

NOTE: Digital data products 76219(5135) may also be affected. Contact Nautical Data

International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-267,274, DFO-H98-112)

***120 NEWFOUNDLAND, SOUTH COAST - ISLE AUX MORTS - Buoy.**

Chart (Last correction) - 4640(1)(403/96)

1. Add green spar buoy, marked QX7 47°34'53" N 58°58'48".3 W

NOTE: Digital data products 76056(4640) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-004, DFO-H99-004)

***110 GULF OF ST- LAWRENCE - ESQUIMAN CHANNEL - Wreck.**

Chart (Last correction) - LC 4021(NAD 27)(1)(517/97)

1. Add non-dangerous wreck 49°32'05" N 59°22'59" W

NOTE: Digital data products 4021R/M and 76138(4021) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-14)

(CCG-N98-002, DFO-H99-001)

***168 NOVA SCOTIA, SOUTHEAST COAST - NORTHWEST OF MISAIN BANK - Wreck.**

Charts (Last correction) - LC 4013(NAD 27)(1)(121/98) - LC 4045(NAD 27)(1)(741/96)

1. Add non-dangerous wreck, with an unknown depth 45°17'00" N 59°28'54" W

NOTE: Digital data products 4013R/M, 4045R/M, 76090(4045) and 76204(4013) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-078)

***136 GULF OF ST. LAWRENCE, NORTH SHORE - SOUTH OF ROCHERS AU CORMORAN - Buoy.**

Chart (Last correction) - LC 4025(NAD 27)(1)(324/98)

1. Add yellow lighted scientific pillar buoy 49°30'04".4 N 60°04'01".9 W
FI(5)Y, marked SADO/ODAS

NOTE: Digital data products 4025R/M and 79043(4025) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-124, DFO-298-151)

***117 CAPE BRETON ISLAND - Aids changes.**

Charts (which were to be affected) - 4277(NAD 83) - 4278(NAD 83)

Reference: Notices 648(P)/97 and 1149(P)/98 cancelled.

NOTE: (1) The above Notices were incorporated in New editions of charts 4277 and 4278.
 (2) Digital data products 4277R/M, 4278R/M, 76063(4277), 76064(4277), 76065(4277), 76066(4277) and 76141(4278) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-118)

***124 NEWFOUNDLAND - LABRADOR - TUNUNGAYUALOK ISLAND TO SENIARTLIT ISLANDS – Lights and buoys.**

Chart (Last correction) - 5049(NAD 83)(1-6)(1708/98)

1. Add	green lighted spar buoy FI G, marked NP9	56°02'20".7 N 61°14'23".4 W
2. Add	green lighted spar buoy FI G, marked NT3	56 05 47.4 N 61 15 06 W
3. Add	green lighted spar buoy FI G, marked NT1	56 07 18.6 N 61 12 36 W
4. Add	green lighted spar buoy FI G, marked NP1	56 08 51 N 61 14 37.5 W
5. Add	light FI	56 13 20.7 N 61 19 29.8 W
6. Add	light FI	56 08 14.6 N 60 57 57.9 W

(AMA8035-10-5-2; 10-7-2)

(CCG-N98-323-326, 343, 373, DFO-H99-005)

***123 GULF OF ST. LAWRENCE - ÎLES DE LA MADELEINE - Buoy.**

Charts (Last correction) - LC 4951(NAD 83)(1)(1338/98) - LC 4451(NAD 27)(2)(1339/98)

1. Reposition	green light buoy YM9	from	47°16'29".9 N 61°44'00" W
		to	47 16 30.7 N 61 44 00.2 W
2. Reposition	green light buoy YM9	from	47 16 31.1 N 61 44 00.9 W
		to	47 16 30.4 N 61 44 02.8 W

NOTE: Digital data products 4451R/M, 4951R/M, 79083(4451) and 79092(4951) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-127, DFO-Q98-156)

***128 GULF OF ST. LAWRENCE - ÎLES DE LA MADELEINE - CAP-AUX-MEULES - Shoal depths.**

Chart (Last correction) - 4956(NAD 83)(1-5)(913/98)

1. Add	4 metres 9 decimetres	47°22'33".6 N 61°51'14".8 W
2. Add	4 metres 7 decimetres	47 22 32.1 N 61 51 16.2 W
3. Replace	5 metres 5 decimetres with 5 metres 2 decimetres	47 22 48.7 N 61 51 21.5 W
4. Add	10 metres	47 21 54.7 N 61 50 39.5 W
5. Add	2 metres 4 decimetres	47 22 37.1 N 61 51 14.9 W

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

(AMA8035-10-35)

(DFO-Q98-160)

***138(T) GULF OF ST. LAWRENCE - PRINCE EDWARD ISLAND - ST. PETER'S BAY - Range lights temporarily discontinued.**

Chart (Temporarily affected) - 4425(Plan, St. Peters Bay)(NAD 27)(1) - 4425(Inset, Entrance to/Entrée à St. Peters Bay)(NAD 27)(1)

1. Range lights	46°26'17".4 N 62°44'16".5 W (approx)
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NOTE: Digital data products 4425R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-6)

(CCG-G98-098, 099, DFO-A98-125)

***132(T) NOVA SCOTIA, SOUTHEAST COAST - HALIFAX HARBOUR - EASTERN PASSAGE - Buoy temporarily repositioned.**

Chart (Temporarily affected) - 4203(Int. 4632)(NAD 83)(1)

1. Red spar buoy HP10	from	44°36'29" N 63°29'52".5 W
	to	44 36 31.2 N 63 29 56.4 W

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

(AMA8035-10-5-7)

(CCG-F98-064, DFO-A98-111)

***140 GULF OF ST. LAWRENCE - CHALEUR BAY - L'ANSE-À-BEAUFILS - Shoal depths.**

Chart (Last correction) - 4921(Plan, L'Anse-à-Beaufils)(NAD 83)(1-9)(2335/98)

1. Add	0 metres 9 decimetres	48°28'20".8 N 64°18'33".6 W
2. Replace	1 metre with 0 metres 7 decimetres	48 28 20.4 N 64 18 34.2 W
3. Replace	(1997) with (1998)	48 28 20.1 N 64 18 31.1 W (approx)
4. Replace	2,6m (1997) with 2,5m (1998)	48 28 18.8 N 64 18 26.4 W (approx)
5. Add	1 metre	48 28 19.2 N 64 18 30 W
6. Delete	1 metre 3 decimetres	48 28 17.1 N 64 18 24.5 W
7. Add	0 metres 9 decimetres	48 28 17.1 N 64 18 24.9 W
8. Add	2 metres	48 28 19.3 N 64 18 22.7 W
9. Delete	2 metres 3 decimetres	48 28 18.1 N 64 18 24.7 W

NOTE: Digital data products 4921R/M and 79062(4921) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-153)

***139 NOVA SCOTIA - LIVERPOOL HARBOUR - Chart amendment patch.**

Chart (Last correction) - 4379(NAD 27)(1)(829/91)

Reference: Notice 533(P)/96 cancelled.

1. Affix	patch	44°02'45" N 64°42'14" W (approx)
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NOTE: Digital data products 4379R/M and 76205(4379) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-009)

***113(T) BAY OF FUNDY - SAINT JOHN RIVER - OFF GRIMROSS ISLAND - Buoys established temporarily.**

Chart (Temporarily affected) - 4142(Sheet 1)(Evandale to/à Ram Island)(NAD 83)(1-12)

1. Green light buoy FI G, marked H9	45°49'45" N 66°10'43" W
2. Green spar buoy, marked H9/1	45 49 58 N 66 10 51.5 W
3. Green spar buoy, marked H9/5	45 50 10.5 N 66 10 58 W
4. Green spar buoy, marked H9/7	45 50 12 N 66 11 12 W
5. Green spar buoy, marked H9/9	45 50 14 N 66 11 30 W
6. Green light buoy FI G, marked H11	45 50 16 N 66 11 47 W

7. Red spar buoy, marked H10	45 49 48 N 66 10 36 W
8. Red spar buoy, marked H10/2	45 49 59 N 66 10 45.5 W
9. Red spar buoy, marked H10/4	45 50 06 N 66 10 50 W
10. Red lighted spar buoy FI R, marked H10/6	45 50 12 N 66 10 55 W
11. Red spar buoy, marked H10/8	45 50 16.5 N 66 11 20 W
12. Red spar buoy, marked H12	45 50 20.5 N 66 11 44 W
(AMA8035-10-5-7)	(CCG-F98-108-119)

***150 ST. LAWRENCE RIVER - CAP-CHAT - Chart amendment patch.**

Chart (Last correction) - 1230(Plan, Cap-Chat)(NAD 27)(1)(122/99)

Reference: Notice 1150(P)/98 cancelled.

1. Affix patch 49°06'00" N 66°40'54" W (approx)

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

(AMA8035-10-35) (DFO-Q98-167)

***112 BAY OF FUNDY - LETETE PASSAGE AND BLISS ISLAND - Buoys.**

Charts (Last correction) - 4124(Plan, Letete Passage, Letang Harbour and/et Blacks Harbour)(NAD 83) (1-7)(106/98) - 4331(1-3, 6-9)(106/98) - LC 4011(NAD 83)(6)(1530/98)

1. Amend	SA1 to read SA3 against green can buoy		45°01'40" N 66°50'52" W
2. Amend	SA3 to read SA5 against green can buoy		45 01 49.9 N 66 50 41.1 W
3. Amend	S to read SA against east cardinal buoy		44 59 53.4 N 66 52 38.5 W
4. Reposition	red spar buoy SA2	from to	45 00 56.3 N 66 51 12.9 W 45 01 02.9 N 66 51 13.4 W
5. Add	green can buoy marked S1		45 00 52.2 N 66 53 20.1 W
6. Amend	SL to read S against fairway light and bell buoy		45 00 24.6 N 66 51 15.6 W
7. Amend	SA to read SAA against north cardinal light buoy		45 02 31.7 N 66 54 08 W
8. Reposition	red spar buoy SA2	from to	45 00 55.5 N 66 51 15 W 45 01 03.5 N 66 51 18 W

9. Add green can buoy marked S1 45 00 56 N 66 53 24 W

NOTE: Digital data products 4011R/M, 4124R/M, 76019(4011) and 76022(4124) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-012-017,040)

***127 BAY OF FUNDY - SAINT JOHN RIVER - Chart amendment.**

Chart - 4145(Sheet 1)(Compartment A-B)(Mactaquac Dam to Nackawic)(NAD 27)(1)

Reference: Notice 714/95.

1. Delete light 45°56'47".8 N 66°52'13".8 W

(AMA8035-10-35)

(DFO-H98-120)

***137(T) BAY OF FUNDY - CAMPOBELLO ISLAND - HALFTIDE LEDGE - Radar reflector temporarily discontinued.**

Chart (Temporarily affected) - 4114(NAD 83)(1)

1. Radar reflector 44°57'24".9 N 66°56'26".9 W

NOTE: Digital data products 4114R/M and 76033(4114) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-23)

(CCG-F98-070, DFO-A98-112)

***118 BAY OF FUNDY - SAINT JOHN RIVER - KINGS LANDING - COURSER COVE - Buoy.**

Chart - 4145(Sheet 1)(Compartment A-B)(Mactaquac Dam to Nackawic)(NAD 27)(1)

1. Delete red spar buoy M24 45°52'42" N 66°58'22".5 W

(AMA8035-10-5-7)

(CCG-F98-150)

***122 ST. LAWRENCE RIVER - LES MÉCHINS - Light.**

Chart (Last correction) - 1230(Plan, Les Méchins)(NAD 27)(1)(1138/98)

1. Delete light 49°00'25".2 N 66°58'34".2 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.

(AMA8035-10-7-9)

(CCG-L98-134, DFO-Q98-161)

***116(P) ST. LAWRENCE RIVER - ÎLE-AUX-GRUES - Shoal depth.**

Chart (Which will be affected) - 1317(NAD 83)(1)

1. Add drying height of 0 metres 47°03'15".3 N 70°31'58" W

NOTE: (1) A new edition incorporating the above-mentioned changes will be available at a later date.
 (2) Digital data products 1317R/M and 79025(1317) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-157)

172(T) UNITED STATES, EAST COAST - CAPE COD BAY - Light temporarily replaced.

Chart (Temporarily affected) - LC 4003(NAD 27)(1)

1. FI(3) 14M to read FI(3) W R 10M & 6M 42°00'00" N 70°36'06" W

NOTE: Digital data products 4003R/M and 76140(4003) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-2)

(US-W98-041)

***130(P) ST. LAWRENCE RIVER - ÎLE D'ORLÉANS - SAINT-FRANÇOIS - Shoal depths.**

Chart (Which will be affected) - 1317(NAD 83)(1,2)

1. Add drying height of 0 metres 46°59'50" N 70°48'29" W

2. Add drying height of 0 metres 46 59 46.3 N 70 48 32.4 W

NOTE: (1) A new edition incorporating the above-mentioned changes will be available at a later date.
 (2) Digital data products 1317R/M and 79025(1317) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-158)

***119(P) ST. LAWRENCE RIVER - SAINTE-PÉTRONILLE - Obstruction.**

Chart (Which will be affected) - 1317(Continuation A)(NAD 83)(1)

1. Add obstruction and legend Obstrn 46°50'42" N 71°06'54" W (approx)

NOTE: (1) Additional information will be made available at a later date.
 (2) 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.

(AMA8035-10-35)

(DFO-Q98-159)

***114(P) ST. LAWRENCE RIVER - LÉVIS - CHANTIER MIL DAVIE - Shoal depths.**

Chart (Which will be affected) - 1316(NAD 83)(1-6)

1. Add	6 metres 9 decimetres	46°50'06" N 71°09'35" W (approx)
2. Add	4 metres 7 decimetres	46 50 00.1 N 71 09 38.6 W
3. Add	8 metres 1 decimetre	46 50 02.6 N 71 09 52.3 W
4. Add	1 metre 3 decimetres	46 49 52.2 N 71 09 53.4 W
5. Add	1 metre 5 decimetres	46 49 54.3 N 71 09 54.5 W
6. Add	4 metres 5 decimetres	46 50 00.3 N 71 09 43.7 W

- NOTE:
- (1) The MIL Davie Naval Yard's floating dry dock moored at Murphy's wharf no longer exist.
 - (2) A new edition incorporating the above changes will be available at a later date.
 - (3) Digital data products 1316R/M and 79003(1316) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-137)

***155(P) ST. LAWRENCE RIVER - DONNACONA - Chart amendments.**

Chart (Which will be affected) - 1315(NAD 83)(1-7)

1. Add	6 metres 7 decimetres	46°39'18".9 N 71°45'00".8 W
2. Add	3 metres	46 39 26 N 71 44 44.4 W
3. Add	rock which covers and uncovers, with a drying height of 0 metres 3 decimetres	46 39 31.1 N 71 44 55.6 W
4. Delete	Public	46 40 05 N 71 42 09 W (approx)
5. Add	7 metres	46 38 29.9 N 71 43 43.6 W
6. Add	rock which covers and uncovers, with a drying height of 4 metres 6 decimetres	46 39 48.7 N 71 44 07.3 W
7. Add	13 metres 4 decimetres	46 38 23.9 N 74 41 37.5 W

- NOTE:
- (1) A new edition incorporating the above-mentioned changes will be available at a later date.
 - (2) Digital data products 1315R/M and 79020(1315) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-148)

***151(P) ST. LAWRENCE RIVER - LAC SAINT-PIERRE - LA LONGUE POINTE - Lights.**

Chart (Which will be affected) - 1312(NAD 83)(1-6) - 1312(Inset, Port de Sorel)(NAD 83) (6)

1. Amend	FG 11m 14 M to read FG 9m 14 M	46°09'38".9 N 72°45'14".3 W
2. Amend	FG 13m to read FG 13m 15 M	46 03 58.3 N 73 01 29.7 W
3. Amend	FG 27m to read FG 27m 15 M	46 04 00.4 N 73 01 07.1 W
4. Amend	FG 25m to read FG 25m 12 M	46 05 03.1 N 72 59 55.7 W
5. Amend	FG 11m to read FG 11m 12 M	46 05 15.2 N 72 59 41.8 W
6. Amend	Fl 11m to read F 11m	46 02 57.5 N 73 06 50.4 W

NOTE:

- (1) This information will be incorporated in a new edition of chart 1312.
- (2) Digital data products 1312R/M, 79129(1312) and 79130(1312) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(TC-L95-033,037,061,063, DFO-Q98-162,164)

***164(P) ST. LAWRENCE RIVER - SOREL HARBOUR - Light.**

Chart (Which will be affected) - 1338(NAD 27)(1)

1. Amend	Fl to read F	46°02'57".4 N 73°06'52" W
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NOTE:

- (1) A new chart incorporating the above-mentioned change will be available at a later date.
- (2) 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.

(AMA8035-10-7-9)

(TC-L95-063, DFO-Q98-165)

***152 ST. LAWRENCE RIVER - SOREL HARBOUR - Light.**

Chart - 1350(Sheet 1)(Compartment A)(and Inset, Sorel)(NAD 27)(1)

1. Amend	Fl 11 m to read F 11 m	46°02'57".4 N 73°06'52" W
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NOTE: Digital data products 1350R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(TC-L95-063, DFO-Q98-164)

***135 ST. LAWRENCE RIVER - SAINT-LAMBERT - Vertical clearance.**

Chart (Last correction) - 1409(NAD 83)(1)(1714/98)

1. Amend 160 ft to read 158 ft 45°29'48".9 N 73°31'09".8 W

NOTE: Digital data products 1409R/M and 79042(1409) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-163)

***157(T) QUÉBEC - OTTAWA RIVER - LAC DES DEUX MONTAGNES - POINTE-CALUMET - Shoal.**

Chart (Temporarily affected) - 1510(Sheet 2)(Compartment B-C)(Baie de Vaudreuil à/to Laval)(NAD 27)(1)

1. Shoal 45°29'40" N 73°57'08" W (approx)

NOTE: (1) A shoal exist in the channel between buoys HD74 and CAL. Additional information will be made available at a later date.
(2) Digital data products 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-Q98-141)

***108 ST. LAWRENCE SEAWAY – CANAL DE BEAUHARNOIS - Buoy.**

Chart (Last correction) - 1411(NAD 27)(1)(1545/98) - 1411(Inset, Port de Valleyfield)(NAD 27)(1)(1545/98)

Reference: Notice 1311/98.

1. Reposition red light buoy C30 from 45°13'20".8 N 74°05'06" W
to 45 13 20 N 74 05 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.

(AMA8035-10-35)

(DFO-C98-170)

***163 ST. LAWRENCE RIVER - LAKE ST. FRANCIS - Daybeacon.**

Chart (Last correction) - 1413(NAD 27)(1)(1703/98)

Reference: Notice 944/98.

1. Add starboard hand daybeacon 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.

(AMA8035-10-8-5)

(CCG-B98-075, DFO-C98-068)

***167 ST. LAWRENCE SEAWAY - WOODLANDS ISLANDS TO WILEY DONDERO CANAL -
Buoys and overhead cable.**

Chart (Last correction) - 1414(NAD 27)(1-3)(937/98)

1. Add	overhead cable with vertical clearance of 37ft	joining and	44°59'43".8 N 74°57'12".8 W 44 59 42.7 N 74 57 09.8 W
2. Reposition	green light buoy 49	from to	44 57 48.5 N 74 56 37.5 W 44 57 49.5 N 74 56 29.3 W
3. Reposition	red light buoy 48A	from to	44 57 57.4 N 74 56 15 W 44 57 56.6 N 74 56 13.3 W

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

(AMA8035-10-35)

(DFO-C98-180)

***165 ST. LAWRENCE SEAWAY - MARINA BAY - Light.**

Chart (Last correction) - 1434(Compartment A-B)(NAD 83)(1)(942/98)

1. Add	light FI R Priv	44°56'05".8 N 75°05'38" 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.

(AMA8035-10-7-14)

(CCG-B98-066, DFO-C98-066)

***105 ST. LAWRENCE SEAWAY – PRESCOTT-OGDENSBURG - Depths.**

Chart (Last correction) - 1435(Inset, Prescott/Ogdensburg)(NAD 83)(1-4)(943/98)

1. Add	2 metres 7 decimetres	44°42'01"5 N 75°29'52" W
2. Add	5 metres 2 decimetres	44 42 02.7 N 75 29 50 W
3. Add	4 metres 3 decimetres	44 42 09.3 N 75 29 41.7 W
4. Add	4 metres	44 42 13.5 N 75 29 35.9 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.

(AMA8035-10-35)

(DFO-C98-047)

***160 ST. LAWRENCE RIVER, NORTH CHANNEL - Water tower.**

Charts (Last correction) - 2018(NAD 83)(1)(1320/98) - LC 2064(1)(U.S. Standard)(1740/98)

1. Delete water tower 44°12'25" N 76°43'09" W

NOTE: Digital data products 2018R/M, 2064R/M, 73037(2018), 73038(2018) and 73063(2064) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-195)

***166 TRENT-SEVERN WATERWAY - BALSAM LAKE AND STURGEON LAKE - Buoys.**

Charts - 2025((Sheet 1)(Compartment B-C)(Cameron Lake)(NAD 27)(1-3) - 2026(Sheet 1)(Scugog River)(NAD 27)(4)

1. Delete green spar buoy N41 44°34'23" N 78°47'27".8 W

2. Delete red spar buoy N42 44 34 24 N 78 47 38 W

3. Delete green spar buoy N43 44 34 23 N 78 47 37.2 W

4. Delete green spar buoy CP3 44 26 34.6 N 78 43 10.5 W

NOTE: Digital data products 2025R/M and 2026R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-069-072, DFO-C98-173)

***161 LAKE ONTARIO - HAMILTON HARBOUR - Buoy.**

Chart (Last correction) - 2067(NAD 27)(1)(1128/98)

1. Replace green spar buoy with a green lighted spar buoy FI G 43°16'22" N 79°52'11".5 W

NOTE: Digital data products 2067R/M and 73003(2067) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-073, DFO-C98-067)

***106 LAKE HURON - GEORGIAN BAY - WAUBUNO CHANNEL - Depths.**

Chart - 2202(Sheet 3)(Twelve Mile Bay to à Rose Island)(NAD 27)(1-4)

1. Add 9 feet 45°13'31".1 N 80°12'19".8 W

2. Add 3 feet 45 13 25.4 N 80 12 25.3 W

3. Add 1 foot 45 13 24.9 N 80 12 21.7 W

4. Add 4 feet 45°12'45" N 80°10'58".5 W

NOTE: Digital data products 2202R/M may also be affected. Contact Nautical Data

International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-175)

***103 LAKE HURON - NORTH END - Sounding.**

Charts (Last correction) - 2297(1,2)(1309/98) - 2298(1,2)(631/97)

Reference: Notice 406/94.

On certain copies.

- | | | |
|-----------|------------------|-------------------------|
| 1. Delete | 3/4 fathoms | 45°38'27" N 82°56'03" W |
| 2. Add | anchorage symbol | 45 38 27 N 82 56 03 W |

NOTE: Digital data products 73074(2298) and 73075(2297) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-095)

***107 LAKE HURON - NORTH CHANNEL - THESSALON HARBOUR - Results of survey.**

Chart (Last correction) - 2251(Inset, Thessalon Harbour)(NAD 27)(1,2)(1309/98)

- | | | |
|--------|--|---------------------------|
| 1. Add | rock with known depth of 1.5metres | 46°15'14" N 83°33'06".4 W |
| 2. Add | obstruction with a known depth of 0.9 metres | 46 15 14.5 N 83 33 03.2 W |

NOTE: Digital data products 2251R/M and 73060(2251) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-176)

***104 LAKE OF THE WOODS - DEVILS GAP - Light and buoys.**

Charts - 6218(NAD 27)(1-4) - 6212(NAD 27)(4) - 6201(NAD 27)(3)

Reference: Notice 355(P)/92 cancelled.

- | | | |
|---------------|-----------------------------|--------------------------------|
| 1. Add | green spar buoy, marked M13 | 49°43'48".5 N 94°28'39" W |
| 2. Reposition | green spar buoy E1 | from 49 43 46.3 N 94 28 40.4 W |
| | | to 49 43 45 N 94 28 44 W |
| 3. Delete | Light | 49 43 51.5 N 94 28 38 W |
| 4. Delete | red spar buoy AE70 | 49 41 56 N 94 26 40 W |

(AMA8035-10-7-13)

(CCG-D98-037-040, DFO-C98-181)

***101 LAKE WINNIPEG - ENTRANCE TO RED RIVER (MAIN CHANNEL) - Buoy.**

Chart - 6242(Sheet 2)(Compartment B-C)(Selkirk to Lake Winnipeg)(NAD 27)(1)

1. Delete red light buoy X12 50°24'29" N 96°49'02" W

(AMA8035-10-5-13)

(CCG-D98-041, DFO-C98-172)

***102 MANITOBA - LAKE WINNIPEG - BIG MOSSY POINT - Light.**

Chart - 6241(1)

1. Add light Fl 24m 7M 53°44'50" N 98°04'23" W

(AMA8035-10-7-13)

(CCG-D98-042, DFO-C98-178)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 165 — Paragraph 41, line 6 – after “it”

Insert: — marked by east cardinal light buoy NK

Page 171 — Paragraph 123, line 7 – after “high”

Insert: and marked by light buoy NL14

Page 171 — Paragraph 135, line 2 – after “reef”

Insert: marked by isolated danger light buoy NLG

Page 189 — Paragraph 379, line 3 – after “**Island**”

Insert: , on which stands a **light** (284.35),

Page 189 — After paragraph 384.1

Add: 384.2 **Leading lights** (284.310, 284.320),
bearing 264.5° and situated on the east side of Huntingdon
Island, lead 0.3 mile south of Red Island, which is described
below.

Page 191 — Paragraph 411, line 7 – before “A”

Insert: A **light** (284.72) is situated on the outer end of the
wharf.

Page 220 — After paragraph 17

Insert: 17.1 **Lights**. — A light (319.07) is situated on an
island 1.3 miles ENE of Cape Rouge. A light (319.08) is
situated on an island 2.8 miles NNE of Red Rock Point.

Page 249 — After paragraph 328

Insert: 328.1 A **light** (324.12) is shown from a skeleton
tower with a red, white and red daymark located on the SW
corner of an unnamed island located about 2 miles SSW of
Pakertuk Island.

(N1/99)

Page 254 — Paragraph 391, last line

Add: Port hand light **buoy** NP9 (323.51) is moored about
0.8 mile NNW of the SW tip of Pigeon Island.

(N1/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 255 — Paragraph 392, line 5 – after “**Bay.**”

Add: Port hand light **buoy** NT3 (323.52) mark two rocks the highest of which dries 0.5 m (2 ft) located off the SE end of **Bear Island**.

(N1/99)

Page 255 — Paragraph 395, last line

Add: Port hand light **buoy** NT1 (323.53) is moored at the north end of Tom Gears Run about 0.3 mile east of an islet 3 m (10 ft) in elevation. The area between the islet and Tuktuinak Island close north if reported to dry.

(N1/99)

Page 255 — Paragraph 396, line 4 – “mid-channel.”

Insert: Port hand light **buoy** (323.54) NP1 is moored close east of the drying rock.

(N1/99)

Page 255 — After paragraph 401

Insert: 401.1 **Big Island** is located on the west side of the “Route usually followed” about 1.1 miles west of the NW end of Akpiktok Island. A **light** (323.55) is shown from a skeleton tower with a red, white and red daymark, located on the east end of Big Island.

(N1/99)

Page 256 — Before paragraph 406.1, after “5052,” (Re: Correction promulgated in Monthly Edition No. 7/98)

Add: 5070,

(N1/99)

Page 427 — INDEX, after “Big Island (Saglek Bay)

Insert: Big Island (Voisey Bay).....255

(N1/99)

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

Replace by: 89 The Bowater Mersey Paper Co. is located in Brooklyn. **Leading lights**, in line bearing 353¹/₂ and which are privately maintained, are shown from the end of the shipping terminal. A large shed stands on this

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

pier. The loading wharf is situated on the north side of the pier. The berth is 550 feet (168 m) long with a depth of 24 feet (7.3 m) alongside. Tug service, water and electricity are available.

(A1/99)

Page 230 — Paragraph 91, lines 1 to 3

Delete: "The ... tanks."

Replace by: The Mersey Seafood Fish Plant wharf is situated at the head of the harbour on the north side.

(A1/99)

Page 310 — Paragraph 184, line 10

Delete: SA

Replace by: SAA

(A2/99)

Page 317 — Paragraph 241, lines 3 to 7

Cancel correction promulgated in Monthly Edition No. 1/98.

Delete: "A **fog** ... light."

Replace by: Fairway light and bell **buoy** S (77.5) is moored 0.7 mile south of Bliss Island light.

(A2/99)

Gulf of St. Lawrence, First Edition, 1992 —

Page 49 — End of Chapter, **MILLERAND** Diagram

Substitute (1998) for (1996) @ 041°, 520 metres from the inner SW corner of the border.

(L68/98)

Page 55 — Paragraph 118, line 3 – after "(6.4 m)"

Insert: and marked by port hand light **buoy** NR3 (229.8)

Page 74 — Paragraph 14, line 4 – after "cove."

Insert: A **light** (216.7) is situated on the outer end of the wharf.

Page NOTES — **POINTE-BASSE** Diagram

Add 4₃ @ 028°, 211 metres from the inner SW corner of the border.

Add 1₃ @ 047°30', 407 metres from the inner SW corner of the border.

Add 0₄ @ 047°, 416 metres from the inner SW corner of the border.

Substitute (1998) for (1997) @ 041°, 365 metres from the inner SW corner of the border.

Substitute 1₅ for 1₈ @ 046°, 244 metres from the inner SW corner of the border.

(L76/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page NOTES — **ÎLE D'ENTRÉE** Diagram

Substitute (1998) for (1997) @ 045°, 395 metres from the inner SW corner of the border.

Substitute 2₃ for 2₉ @ 059°30', 386 metres from the inner SW corner of the border.

(L72/98)

Page NOTES — **GROSSE-ÎLE-NORD** Diagram

Substitute 1,6 m (1998) for 1,6 m (1996) @ 066°30', 285 metres from the inner SW corner of the border.

Substitute 2,2 m (1998) for 2,2 m (1996) @ 056°30', 343 metres from the inner SW corner of the border.

Add 0₇ @ 070°30', 217 metres from the inner SW corner of the border.

Add 0₃ drying @ 077°30', 255 metres from the inner SW corner of the border.

(L80/98)

Page NOTES — **GASCONS** Diagram

Add 1₅ @ 078°30', 486 metres from the inner SW corner of the border.

Substitute (1998) for (1996) @ 076°, 467 metres (approx.) from the inner SW corner of the border.

Add 2₇ @ 072°, 426 metres from the inner SW corner of the border.

Substitute (1998) for (1996) @ 067°30', 424 metres (approx.) from the inner SW corner of the border.

Add 1₆ @ 053°, 306 metres from the inner SW corner of the border.

Add 4₅ @ 042°30', 301 metres from the inner SW corner of the border.

Substitute 5₅ for 6₁ @ 039°30', 349 metres from the inner SW corner of the border.

(71/98)

Page NOTES — **SAINT-GODEFROI** Diagram

Substitute 0₇ for 1₄ @ 063°, 291 metres from the inner SW corner of the border.

Delete 0₈ @ 050°30', 354 metres from the inner SW corner of the border.

Add 0₅ @ 051°30', 294 metres from the inner SW corner of the border.

(L77/98)

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

Page 30 — Paragraph 259, last line

Add: A **buoyed** channel leads from near the drying
rock into the inner part of Roti Bay

(N2/99)

Page 43 — Paragraph 52, line 4 – after “Point”

Insert: , on which stands **alight** (142.5),

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

(L79/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 28 — Paragraph 124, lines 9 to 11

(L62/98)

Page 28 — **Table 2.3 Port of Québec : Private Berths**

Delete the following information in **Remarks** column

Berth	Remarks
75	Floating Dry Dock "Général Georges P. Vanier".

Make the following corrections in **Depth** column

Berth	Depth m (ft)
73	*8.2 (*27)
75	*6,0 (*20)

(L62/98)

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

Table 2.4 Port of Montréal Wharves (cont'd)

Add the following information in **Remarks** column

Berth	Remarks
52	Ro-Ro Ramp.

(L58/98)

CEN 300 — General Information, Great Lakes, First Edition, 1996 —

Page VIII — Near the bottom of the page

Delete: **Authority**

Replace by: **Management Corporation**

(C08/98)

Page 22 — Paragraph 6, line 2

Delete: 240

Replace by: 258

(C08/98)

Page 24 — Paragraph 39, lines 8 and 9

Delete: "Authority" to end of paragraph.

Replace by: Management Corporation, 202 Pitt Street,
Cornwall, Ontario, K6J 3P7, telephone (613) 932-5170,
fax (613) 932-5037.

(C08/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 25 — Paragraph 40, line 3

Delete: *Authority*

Replace by: *Management Corporation*

(C08/98)

CEN 304 — Detroit River, Lake St. Clair, St. Clair River, First Edition, 1996 —

Insert: ^{50.1} A **submerged water intake** 0.9 mile
north of the mouth of Thames River extends 0.4mile
offshore; the crib at the outer end has a depth of
3 feet (0.9 m).

(C18/98)

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	

NEWFOUNDLAND

11	Branch St. Mary's light buoy MB3	46 52 40 53 56 52.7	Fl	G	4s	.....	.....	Green spar, marked "MB3".	Year round.	Chart:4842 170/99
128.6	Fish Rock light buoy V28	47 31 19.2 56 08 42	Fl	R	4s	.....	.....	Red spar, marked "V28".		Chart:4644 131/99
133.11	Roti Bay light buoy VR1	47 47 12.4 55 51 46.1	Fl	G	4s	.....	.....	Green, marked "VR1".		Chart:4644 131/99
133.12	Roti Bay light buoy VR2	47 47 29.5 55 51 39.7	Fl	R	4s	.....	.....	Red, marked "VR2".		Chart:4644 131/99
133.13	Roti Bay light buoy VR3	47 47 35.3 55 52 07.4	Fl	G	4s	.....	.....	Green, marked "VR3".		Chart:4644 131/99
133.14	Roti Bay light buoy VR4	47 47 47.5 55 52 22.4	Fl	R	4s	.....	.....	Red, marked "VR4".		Chart:4644 131/99
133.15	Roti Bay light buoy VR5	47 47 43 55 52 25	Fl	G	4s	.....	.....	Green, marked "VR5".		Chart:4644 131/99
133.16	Roti Bay light buoy VR7	47 47 59.1 55 52 50.1	Fl	G	4s	.....	.....	Green, marked "VR7".		Chart:4644 131/99
133.17	Roti Bay light buoy VR6	47 48 11 55 53 07.1	Fl	R	4s	.....	.....	Red, marked "VR6".		Chart:4644 131/99
133.18	Roti Bay light buoy VR9	47 48 19.7 55 53 34.7	Fl	G	4s	.....	.....	Green, marked "VR9".		Chart:4644 131/99
142.5	Bay de Loup Point	47 37 19.5 57 33 07	Fl	W	4s	22.7	...	Skeleton tower, red and white horizontal bands. 4.9	Flash 0.5 s; eclipse 3.5 s Year round.	Chart:4637 115/99
216.5	West Shoal light buoy XB2	51 11 18 56 47 47	Fl	R	4s	.....	.....	Red spar, marked "XB2".	Seasonal.	Chart:4667 142/99
216.6	East Shoal light buoy XB1	51 11 20 56 47 41	Fl	G	4s	.....	.....	Green spar, marked "XB1".	Seasonal.	Chart:4667 142/99

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
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NEWFOUNDLAND – Cont'd

216.7	Black Duck	51 11 49 56 47 53	Fl R 4s	Tower. 2.4	Flash 0.5 s; eclipse 3.5 s Chart:4667 142/99
229.8	The Louse light buoy NR3	51 42 10.2 56 25 09	Fl G 4s	.....	.....	Green, marked "NR3".	Chart:4669 109/99
280.03	Old King East cardinal light buoy NK	53 07 46.8 55 43 14	Q(3) W 10s	.....	.....	Black, yellow and black, marked "NK".	Seasonal. Chart:4702 169/99
280.13	Walker Island light buoy NL14	53 18 48.6 55 45 09	Fl R 4s	.....	.....	Red, marked "NL14".	Seasonal. Chart:4703 159/99
280.15	Gushue Rock light buoy NLG	53 21 07 55 44 09	Fl(2) W 5s	.....	.....	Black, red and black, marked "NLG".	Seasonal. Chart:4744 159/99
284.31	Sandwich Bay range	53 46 20.7 56 51 21.5	F R	13.1	.....	Square mast. 10.9	Year round.
284.32		26431' 365.8 m from front range.	F R	27.2	.....	Square mast. 9.4	Year round. Chart:5138 143/99
284.35	Leading Mark Island	53 45 30 57 03 59.4	Fl G 4s	8.9	.....	Tower, green and white horizontal bands. 3.7	Flash 0.5 s, eclipse 3.5 s Year round. Chart:5138 145/99
284.72	Cartwright wharf	53 42 11 57 01 16.5	Fl R 4s	3.4	.....	Cylindrical mast. 2.1	Flash 0.5 s, eclipse 3.5 s Year round. Chart:5138 144/99
284.96	Snack Cove	53 47 39.2 56 48 11.5	Fl W 4s	23.6	.....	Skeleton tower, red and white horizontal bands. 3.7	Flash 0.5 s; eclipse 3.5 s Year round. Chart:5138 141/99
319.07	Pigeon Island	54 40 22.2 57 29 52.8	Fl W 4s	37.4	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s Year round. Chart:5043 100/99
319.08	Duck Island	54 43 40.8 57 41 21	Fl W 4s	8.4	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s Year round. Chart:5043 100/99
322.02	Cant Island	55 38 21 60 23 48	Fl W 4s	22.1	.....	Tower, red and white daymark. 3.7	Chart:5047 Edn. 01/99

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	

NEWFOUNDLAND – Cont'd

323.29	South Tikigakjuk Island	55 48 19.7 60 29 15.3	Fl	G	4s	37.3	.....	Tower, green and white daymark. 3.7			Chart:5048 Edn. 01/99
323.51	Pigeon Island light buoy NP9	56 02 20.7 61 14 23.4	Fl	G	4s	.....	.....	Green spar, marked "NP9".	Seasonal.		Chart:5049 124/99
323.52	Tom Gear's Run light buoy NT3	56 05 47.4 61 15 06	Fl	G	4s	.....	.....	Green spar, marked "NT3".	Seasonal.		Chart:5049 124/99
323.53	Tom Gear's Run light buoy NT1	56 07 18.6 61 12 36	Fl	G	4s	.....	.....	Green spar, marked "NT1".	Seasonal.		Chart:5049 124/99
323.54	Perrett's Tickle light buoy NP1	56 08 51 61 14 37.5	Fl	G	4s	.....	.....	Green spar, marked "NP1".	Seasonal.		Chart:5049 124/99
323.55	Big Island	56 13 20.7 61 19 29.8	Fl	W	4s	22.1	.....	Tower, red and white daymark. 3.7	Flash 0.5 s; eclipse 3.5 s		Chart:5049 124/99
324.12	Nameless Island	56 08 14.6 60 57 57.9	Fl	W	4s	23.0	.....	Tower, red and white daymark. 3.7	Flash 0.5 s; eclipse 3.5 s		Chart:5049 124/99
341.8	Sams Rock light buoy DP6	49 29 48 55 41 54	Fl	R	4s	.....	.....	Red spar, marked "DP6".	Seasonal.		Chart:4591 171/99

ATLANTIC

70.5	Mohawk Ledge North cardinal light buoy SAA	45 02 31.7 66 54 08	Q	W	1s	.....	.....	Black and yellow, marked "SAA".	Year round.		Chart:4124 112/99
77.5	Bliss Island – Fairway light and bell buoy S	45 00 24.6 66 51 15.6	Mo(A)	W		.....	.....	Red and white, marked "S".	Year round.		Chart:4124 112/99
763	Portnova light and whistle buoy J10	SE. of Portnova Island. 45 55 38.2 59 46 10.5	Fl	R	4s	.....	.....	Red, marked "J10".	Seasonal.		Chart:4377 Edn. 01/99
764	Bar Reef light and bell buoy JJ3	E. of Helen Rock. 45 58 59.9 59 46 56.8	Fl	G	4s	.....	.....	Green, marked "JJ3".	Seasonal.		Chart:4377 Edn. 01/99

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
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ATLANTIC – Cont'd

764.5	Black Rock light buoy JJ11	45 59 46.9 59 50 01.9	Fl G 4s	Green, marked "JJ11".	Seasonal.	Chart:4377 Edn. 01/99
765	Mad Dick Rock light and bell buoy JJ6	Off S. side of rock. 45 59 59.1 59 49 21.5	Fl R 4s	.....	.....	Red, marked "JJ6".	Seasonal.	Chart:437 Edn. 01/99
765.1 H745.6	Main-à-Dieu Harbour	46 00 13.5 59 50 21.9	Fl R 4s	6.1	5	Skeleton mast, enclosed lower portion. 3.0	Year round.	Chart:4377 Edn. 01/99
765.3 H745.4	Battery Point (Main-à-Dieu)	46 00 17.7 59 50 27.2	Fl G 12s	4.3	7	Skeleton mast. 3.0	Flash 2 s; eclipse 10 s Year round.	Chart:4377 Edn. 01/99
765.4 H745	Moque Head	46 00 25.4 59 49 21.7	F W	6.1	12	Skeleton mast, enclosed lower portion. 6.1	Year round. Horn - Blast 3s; sil. 27s Horn points 070°	Chart:4377 Edn. 01/99
766 H744	Main-à-Dieu	On West Point of Scatarie Island. 46 00 13.6 59 47 41	Fl W 4s	24.7	7	White tower, two red horizontal bands. 9.6	Year round.	Chart:4377 Edn. 01/99
835.8	McPhee Island light buoy E3	45 56 28.8 60 32 12.4	Fl G 4s	.....	.....	Green, marked "E3".	Year round.	Chart:4279 Edn. 01/99
836	MacRae Island light buoy D11	45 42 24.5 61 05 29.8	Fl G 4s	.....	.....	Green, marked "D11".	Seasonal.	Chart:4279 Edn. 01/99
836.1	Poor Point light buoy D1	45 46 40.5 60 56 29	Fl G 4s	.....	.....	Green, marked "D1".	Year round.	Chart:4279 Edn. 01/99
837	Paddle Shoal light buoy DA2	45 48 17.4 60 57 49.4	Fl R 4s	.....	.....	Red, marked "DA2".	Seasonal.	Chart:4279 Edn. 01/99
838 H832	Cameron Island	On NE. end of island. 45 48 51 61 00 25.3	Fl G 4s	9.3	5	White structure. 8.4	Seasonal.	Chart:4279 Edn. 01/99
838.4 H833	Clarke Cove wharf	On wharf. 45 49 12.4 61 02 20.6	F R	4.2	9	Skeleton mast, enclosed lower portion. 3.8	Seasonal.	Chart:4279 Edn. 01/99

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
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ATLANTIC – Cont'd

839	<i>Kelly Shoals light buoy Q35</i>	<i>On W. side of shoals. 45 46 10.6 60 49 25.7</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "Q35".</i>	<i>Seasonal.</i>	Chart:4279 Edn. 01/99
1333 H1601							Delete from List.	
1334	West Bathurst range							Chart:4920 Edn. 01/99
1507.7	<i>Sandy Hook Channel light buoy YM9</i>	<i>47 16 30.7 61 44 00.2</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "YM9".</i>	<i>Seasonal.</i>	Chart:4951 123/99
1563.2	<i>Rochers au Cormoran ODAS light buoy</i>	<i>49 30 04.4 60 04 01.9</i>	<i>Fl(5) Y 20 s</i>	<i>.....</i>	<i>.....</i>	<i>Yellow.</i>		Chart:4025 136/99
1698 H2030	Le Gros Méhins wharf						Delete from List.	Chart:1230 122/99
1895.6 H2256		47 07 30 70 42 06	F Y	31.7	.....	Square skeleton tower, fluorescent orange daymark. 11.3	Year round. Delete Emergency light.	
1895.7 H2256.1	Cap Rouge range	22113' 1025m from front.	F Y	57.6	.....	Square skeleton tower, fluorescent orange daymark. 8.2	Year round.	Chart:1317 Edn. 01/99
2133.7 H2403	Baieville Direction	46 09 38.8 72 45 15.9	F G	9.0	14	White cylindrical mast, fluorescent orange rectangular slatwork daymark. 7.5	Visible on a bearing of 139°9'. Operates at night only. Year round.	Chart:1312 151(P)/99
2153.3 H2411	Maskinongé Curve	S. side. 46 09 24.4 72 56 28.6	Iso Y 2s	13.9	7	Cylindrical tower, red and white horizontal bands. 4.0	Operates at night only. Visible 360° Year round. Radar reflector.	Chart:1312 Edn. 01/99
2168 H2416		On E. end of island. 46 05 15.2 72 59 41.8	F G	11.4	12	White square tower, fluorescent orange rectangular daymark. 5.4	Operates at night only. Visible in line of range. Radar reflector. Year round.	
2169 H2416.1	Île des Barques range	21825' 480m from front.	F G	25.2	12	White tower, fluorescent red daymark, black vertical stripe. 20.8	Operates at night only. Visible in line of range. Year round.	Chart:1312 151(P)/99

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
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ATLANTIC – Cont'd

2180 H2424	Île du Moine range	On W. end of island. 46 03 58.3 73 01 29.7	F G	13.0	15	White tower, fluorescent orange daymark. 12.4	Operates at night only. Visible in line of range. Year round.
2181 H2424.1		08230' 488.3m from front.	F G	27.4	15	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 17.5	Operates at night only. Visible in line of range. Year round.
2183.8 H2429	Sorel Dock 2	On NW. corner of dock. 46 02 57.4 73 06 52	F W	10.8	.....	White cylindrical mast. 4.7	Flash every 5 s Year round.
2272.9	Information light buoy DOUA-1	45 00 47 73 12 09.5	FI Y 4s	.....	.....	Orange and white, marked "DOUA-1".	Chart:Nil 156/99
2272.91	Information light buoy DOUA-2	45 00 49 73 10 50	FI Y 4s	.....	.....	Orange and white, marked "DOUA-2".	Chart:Nil 156/99
2272.92	Information light buoy DOUA-3	45 00 52.5 73 06 44	FI Y 4s	.....	.....	Orange and white, marked "DOUA-3".	Chart:Nil 156/99
2274 H2450	Course Île Dupas range	On E. side of Île aux Cochons. 46 03 27.8 73 09 24.6	F G	13.9	.....	White square building, fluorescent orange daymark, black vertical stripe. 2.7	Night emergency light. Visible in line of range. Year round.
2275 H2450.1		01507' 624.8m from front.	F G	25.4	.....	Red skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 16.8	Night emergency light. Visible in line of range. Year round.
							Chart:1312 151(P)/99
							Chart:1350 152/99

INLAND WATERS

65	Light buoy C30	45 13 20 74 05 06	FI R 4s	.....	.....	Red, marked "C30".	Winter spar. Year round.
223.5	Light buoy 48A (U.S.)	44 57 56.6 74 56 13.3	FI R 4s	.....	.....	Red, marked "48A".	Privately operated by St. Lawrence Seaway Development Corporation. Year round.
224	Light buoy 49 (U.S.)	44 57 49.5 74 56 29.3	FI G 4s	.....	.....	Green, marked "49".	Winter spar. Year round.
							Chart:1411 108/99
							Chart:1414 167/99
							Chart:1414 167/99

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
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INLAND WATERS – Cont'd

240.5	Chrysler Marina Entrance	44 56 05.8 75 05 38	Fl R 4s	3.0	Mast. 2.0	Flash 0.5 s; eclipse 3.5 s Maintained by Chrysler Park Marina. Chart:1434 165/99
337.5	Hamilton Harbor light buoy	43 16 22 79 52 11.5	Fl G 4s	.....	.....	Green spar.	Privately maintained by Hamilton Harbour Commission. Chart:2067 161/99
491	Scotch Bonnet Island	On small island, SW. of Nicholson Island. 43 53 58 77 32 33.7	Fl W 4s	23.0	5	White skeleton tower. 19.1	Year round. Chart:2060 Edn. 01/99
1259.5	Light buoy H216						Delete from List. Chart:1511 Edn. 01/99
1264	Light buoy H239						Delete from List. Chart:1511 Edn. 01/99
1264.5	Light buoy H241						Delete from List. Chart:1511 Edn. 01/99
1270	Light buoy H255						Delete from List. Chart:1511 Edn. 01/99
1290.4	Light buoy H377						Delete from List. Chart:1511 Edn. 01/99
1290.9	Light buoy H385						Delete from List. Chart:1511 Edn. 01/99
1291.5	Light buoy H393						Delete from List. Chart:1511 Edn. 01/99
1293.7	Bifurcation light buoy Way						Delete from List. Chart:1511 Edn. 01/99
1294.8	Light buoy H432						Delete from List. Chart:1511 Edn. 01/99
1295.8	Light buoy H444						Delete from List. Chart:1511 Edn. 01/99

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
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INDLAND WATERS - cont'd

1473	Devils Gap (Head)						Delete from List.	Chart:6218 104/99
1563.5	Red River Mouth light buoy X12						Delete from List.	Chart:6242 101/99
1625	Big Mossy Point	53 44 50 98 04 23	Fl W 4s	24.0	7	Square skeleton tower, red and white rectangular daymark. 9.1	Flash 0.5s; eclipse 3.5s	Chart:6241 102/99
1796	The Ramparts (Mile 672.4) range	NE. of Spruce Island. 66 09 13 128 57 39	F W	62.0	.....	Triangular skeleton tower, orange daymark, white vertical stripe. 6.1	Visible in line of range. Year round.	
1797		209°167.6m from front.	F W	64.0	.....	Triangular skeleton tower, orange daymark, white vertical stripe. 18.3	Visible in line of range. Year round.	Chart:6421 Edn. 01/99
1797.8	Mile 715.6 range	66 32 44 129 14 22	F W	38.1	.....	Square tower, red daymark, white vertical stripe. 6.1	Visible in line of range. Year round.	
1797.9		279°185.9m from front.	F W	44.5	.....	Square tower, red daymark, white vertical stripe. 10.7	Visible in line of range. Year round.	Chart:6422 Edn. 01/99

**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, Marine Aids,
Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

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

OR

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

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