



Canada

Canada

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EASTERN EDITION OF NOTICES TO MARINERS

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CANADIAN COAST GUARD

NOTICES

2300 to 2355

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Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.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

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

User equipment information / Renseignements sur l'équipement

GPS receiver / Récepteur GPS: Make / Fabricant: _____ Model: _____

DGPS beacon receiver / Démodulateur DGPS: Make / Fabricant : _____ Model: _____

Gyro interface with GPS / Gyro intégré avec le GPS? Yes / Oui : _____ No / Non : _____

DGPS interfaced with an ECDIS / DGPS intégré dans un SVCEI? Yes / Oui: _____ No / Non : _____

If yes, please fill below / Si oui, S.V.P. compléter ci-dessous:

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

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

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| LC 1221 | 2321(P) | 10 | 4730 | 2331 | 7,8 | | |
| LC 1235 | 2340 11,12 | | 4771 | 2341 | 8,9 | | |
| | | | LC 4850 | 2332 | 7 | | |
| LC 1236 | 2330(T) | 11 | 4852 | 2332 | 7 | | |
| | 2333 | 11 | LC 4853 | 2332 | 7 | | |
| | 2347 | 11 | | | | | |
| | 2355 | 1 | 4854 | 2332 | 7 | | |
| 1310 | 2305(P) | 13 | 4921 | 2335 | 9 | | |
| | 2308(P) | | LC 5023 | 2331 | 7,8 | | |
| | 13,14 | | 5044 | 2331 | 7,8 | | |
| | 2309(P) | 14 | 5045 | 2331 | 7,8 | | |
| | 2342 | | 5047 | 2331 | 7,8 | | |
| | 14,15 | | 5048 | 2331 | 7,8 | | |
| 1312 | 2345 | 13 | LC 8006 | 2350 | 9 | | |
| 1314 | 2307 | 13 | LC 8014 | 2332 | 7 | | |
| 1315 | 2336 | 12 | | | | | |
| | 2352 | | | | | | |
| | 12,13 | | | | | | |
| 1317 | 2337 | 12 | | | | | |
| 1510 | 2338 | 15 | | | | | |
| 1514 | 2328 | 15 | | | | | |
| LC 2201 | 2355 | 1 | | | | | |
| LC 4017 | 2332 | 7 | | | | | |
| LC 4022 | 2343 | 8 | | | | | |
| LC 4026 | 2311 | 10 | | | | | |
| 4117 | 2310 | | | | | | |
| | 10,11 | | | | | | |
| 4377 | 2355 | 1 | | | | | |
| 4429 | 2327 | 9 | | | | | |
| LC 4486 | 2335 | 9 | | | | | |

***2355 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

| CHART | TITLE & CONTENTS | SCALE | DATED | CAT # | PRICE |
|-------|------------------|-------|-------|-------|-------|
|-------|------------------|-------|-------|-------|-------|

1. New editions.St. Lawrence River/Fleuve Saint-Laurent

| | | | | | |
|----------|-----------------------------------|----------|-------------|---|---------|
| L/C 1236 | Pointe des Monts aux/to Escoumins | 1:20 000 | Sept. 25/98 | 1 | \$20.00 |
|----------|-----------------------------------|----------|-------------|---|---------|

NOTE: This chart is affected by
Notices 128(T)/95, 719(P)/98 and
2330(T)/98.

Georgian Bay/Baie Georgienne

| | | | | | |
|----------|------------------------------|-----------|------------|---|-------|
| L/C 2201 | Georgian Bay/Baie Georgienne | 1:200 000 | Nov. 18/98 | 3 | 20.00 |
|----------|------------------------------|-----------|------------|---|-------|

NOTE: This chart is affected by
Notices 115(P)/94 and 182(P)/94.

Cape Breton Island/Île du Cap-Breton

| | | | | | |
|------|---------------------|----------|------------|---|-------|
| 4377 | Main-à-Dieu Passage | 1:18 000 | Nov. 06/98 | 1 | 20.00 |
|------|---------------------|----------|------------|---|-------|

(AMA8035-10-35)

(DFO-H98-117)

***2312 LAKE HURON - CAMPBELL ROCK - Aid to navigation.**

Reference: Notice 141(P)/97 cancelled.

(AMA8035-10-5-13)

(CCG-H98-085)

***2313 LAKE ERIE - Aids to navigation.**

Reference: Notices 256(P)/97 and 259(P)/97 cancelled.

(AMA8035-10-5-12)

(CCG-H98-086)

***2314 LAKE ONTARIO – Aids to navigation.**

Reference: Notices 257(P)/97 and 258(P)/97 cancelled.

(AMA8035-10-7-12)

(CCG-H98-087)

***2315 LAKE ONTARIO - BAY OF QUINTE - PICTON HARBOUR, BELLEVILLE HARBOUR, TRENTON HARBOUR - Aids to navigation.**

Reference: Notice 370(P)/97 cancelled.

(AMA8035-10-5-14)

(CCG-H98-088)

***2316 LAKE ONTARIO – OSHAWA HARBOUR - Aids to navigation.**

Reference: Notice 489(P)/97 cancelled.

(AMA8035-10-5-14)

(CCG-H98-089)

***2317 LAKE ERIE - NANTICOKE - Aids to navigation.**

Reference: Notice 490(P)/97 cancelled.

(AMA8035-10-5-14)

(CCG-H98-090)

***2318 LAKE HURON – GEORGIAN BAY - MATCHEDASH BAY APPROACH - Aids to navigation.**

Reference: Notice 491(P)/97 cancelled.

(AMA8035-10-5-13)

(CCG-H98-091)

***2319 LAKE HURON - GEORGIAN BAY - COLLINGWOOD HARBOUR - Aids to navigation.**

Reference: Notice 527(P)/97 cancelled.

(AMA8035-10-1)

(CCG-H98-092)

***2320 GREAT LAKES, GEORGIAN BAY AND ST. LAWRENCE SEAWAY - Aids to navigation.**

Reference: Notice 593(P)/97 cancelled.

(AMA8035-10-5-12)

(CCG-H98-093)

***2322 ST. LAWRENCE SEAWAY - CRYSLER PARK - Aids to navigation.**

Reference: Notice 625(P)/97 cancelled.

(AMA8035-10-5-14)

(CCG-H98-094)

***2348 NOVA SCOTIA, SOUTHEAST COAST - SHELBURNE HARBOUR - GUNNING COVE -
Light remains in service.**

Reference: Notice 1958(P)/98 cancelled.

(AMA8035-10-7-7)

(CCG-F98-178)

***2346(P) ST. LAWRENCE RIVER - CANADIAN MIDDLE CHANNEL - Buoy to be
discontinued.**

The Canadian Coast Guard intends to permanently discontinue White Calf Island bifurcation spar buoy JEB (44°19'04" N 76°09'41" W).

Comments on this action area solicited from mariners and other interested parties, within 3 months of the date of this notice and should be directed to Mr. Steven D. Lear, Supervisor, Marine Aids Program, Canadian Coast Guard, P.O. Box 1000, 401 King St. W., Prescott, Ontario, K0E 1T0, tel. (613) 925-2865 ext. 215, Facs (613) 925-5540. Any objections raised should state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-5-14)

(CCG-B98-065)

***2349 NEWFOUNDLAND, NORTHEAST COAST - NOTRE DAME BAY - Buoys.**

This information is applicable to British Admiralty chart 293.

Red spar buoy DJ4 has been renumbered DJ12 (49°43'36" N 54°09'31" W).

Green spar buoy DJ5 has been renumbered DJ13 (49°43'36" N 54°09'30" W).

Red spar buoy DJ6 has been renumbered DJ14 (49°43'36" N 54°09'31" W).

Green spar buoy DJ7 has been renumbered DJ15 (49°43'35" N 54°09'32" W).

A red lighted spar buoy FI R, marked DJ4 (L.L. 383.32) has been established in 49°43'51" N 54°09'37".2 W.

A green lighted spar buoy FI G, marked DJ5 (L.L. 383.81) has been established in 49°44'53".4 N 54°09'44".4 W.

A red lighted spar buoy FI R, marked DJ10 (L.L. 383.55) has been established in 49°44'47" N 54°09'33" W.

(AMA8035-10-5-2)

(CCG-N98-197-200,221,222)

***2353 CANADA – Pollution - Compliance with Canadian Regulations - Advance Notice to
Mariners.**

WESTERN CANADA MARINE RESPONSE CORPORATION
EASTERN CANADA RESPONSE CORPORATION
GREAT LAKES RESPONSE CORPORATION
POINT TUPPER MARINE SERVICES LTD.
ATLANTIC EMERGENCY RESPONSE TEAM ("ALERT") INC.

Effective October 3, 1998, the Western Canada Marine Response Corporation (WCMRC) was issued a certificate of designation as a Response Organization (RO), pursuant to Section 660.4(1) of the *Canada Shipping Act*. On November 1, 1998, the Great Lakes Response Corporation (GLRC) and Eastern Canada Response Corporation (ECRC) received their certificates; Point Tupper Marine Services Ltd. and Atlantic Emergency Response Team ("Alert") Inc. were issued certificates of designation on November 9. All ROs have a rated response capability of 10,000 tonnes.

Western Canada Marine Response Corporation's (WCMRC) geographic area of response covers the waters bordering the Province of British Columbia (including the shorelines associated with such waters) and excluding waters north of the 60° parallel.

Great Lakes Response Corporation's (GLRC) geographic area of response includes the Canadian Great Lakes system and connecting channels within the Province of Ontario including Lake Superior, the St. Mary's River, Lake Huron, the St. Clair River, Lake St. Clair, the Detroit River, Lake Erie, Lake Ontario, the St. Lawrence River from Kingston, Ontario to a line drawn between Butternut Bay (44°31.12'N 75°46.54'W) on the Canadian side to Oak Point (44°30.48'N 75°45.20'W) on the U.S. side of the St. Lawrence River, Lake Winnipeg, the Athabasca River from Fort McMurray to Lake Athabasca and the waters of Lake Athabasca.

Eastern Canada Response Corporation's (ECRC) geographic area of response includes the waters of James Bay, Hudson Bay and Ungava Bay and the waters in the Province of Québec and that portion of the St. Lawrence River in the Province of Ontario to a line drawn between Butternut Bay (44°31.12'N 75°46.54'W) on the Canadian side to Oak Point (44°30.48'N 75°45.20'W) on the U.S. side of the St. Lawrence River. It will also cover the Atlantic Provinces south of the 60th parallel of latitude, excluding the areas served by Point Tupper Marine Services Ltd. and Atlantic Emergency Response Team ("Alert") Inc.

Point Tupper Marine Services Ltd.'s geographic area of response comprises all the waters between an arc having a 50 nautical mile radius about Bear Head light, 45°33'N 61°17'W, but not extending north of the Canso Causeway into St. George's Bay and the contiguous land mass and, for greater certainty, not to include the waters of the Bras d'Or Lakes, St. Andrews Channel, St. Patrick's Channel, Great Bras d'Or and other waters internal to Cape Breton Island.

Atlantic Emergency Response Team ("Alert") Inc.'s geographic area of response covers the primary areas of response associated with the designated port of Saint-John, New Brunswick. This comprises all Canadian waters between the western boundary

consisting of an arc having a 50 nautical mile radius about the point 45°08' 03"N 66° 17' 12"W and the eastern boundary consisting of an arc having a 50 nautical mile radius about a point, centered on Cape Spencer Light.

All oil tankers of 150 or more tons gross tonnage and all other vessels of 400 or more tons gross tonnage that carry oil as fuel or as cargo in Canadian waters south of the 60th parallel of latitude are required to enter into an arrangement with a certified response organization.

This does not apply to a non-Canadian ship transiting the territorial sea of Canada (within the meaning of the *Territorial Sea and Fishing Zones Act*) or the fishing zones of Canada, other than any part of the fishing zones that are in the territorial sea of Canada, within the meaning of the Act, if it is not engaged in the loading or unloading of oil during transit.

For complete details, contact:

Canadian Coast Guard

| | |
|-------------|---------------------------------------|
| B. DUTRIZAC | Western Region (604) 209-6206 |
| L. TRIGATTI | Central Region (519) 383-1958 |
| R. SAVARD | Laurentian Region (418) 648-6382 |
| R. BARRIE | Maritimes Region (902) 426-2940 |
| B. ENGLISH | Newfoundland Region (709) 772-2122 |

Response Organizations

| | |
|----------------|---|
| M. GREEN | WCMRC (604) 985-0855 |
| C. BAILEY | GLRC (519) 862-2281 |
| P. SAMSON | ECRC – Québec Region Office (418) 692-8989 |
| J. CARSON | ECRC – Atlantic Region Office (902) 461-9170 |
| S. JARVIS | Atlantic Emergency Response Team (“Alert”) Inc. (506) 632-4499 |
| D. HART | Point Tupper Marine Services Ltd. (902) 625-1711 |
| (AMA8035-10-1) | (CCG-H98-201) |

***2344 CANADIAN HYDROGRAPHIC SERVICE - Amendment to Canadian Tide and Current Tables 1999.**

The Canadian Tide and Current Tables for the Arctic and Hudson Bay, Volume 4 pages 77-84 must be corrected as shown in the following table. Please amend the old headings "ft/pi" to read "metres/mètres".

| INDEX NO. NO D'INDEX | SECONDARY PORT PORT SECONDAIRE | TIME ZONE FUSEAU HORAIRE | POSITION | | DIFFERENCES | | | DIFFERENCES | | | RANGE | | MEAN WATER LEVEL NIVEAU MOYEN DE L'EAU | |
|-------------------------|-----------------------------------|-----------------------------|----------|-------|--|---|---|---|----------------------------|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER BASSE MER INFÉRIEURE | | | MARNAGE | | | |
| | | | | | LAT. N LAT. N. | LONG. W LONG. O. | TIME HEURE | MEAN TIDE MARÉE MOYENNE | LARGE TIDE GRANDE MARÉE | TIME HEURE | MEAN TIDE MARÉE MOYENNE | LARGE TIDE GRANDE MARÉE | | MEAN TIDE MARÉE MOYENNE | LARGE TIDE GRANDE MARÉE |
| | | | ° ' " | ° ' " | h. m. | ft./ft. meters/ mètres | ft./ft. meters/ mètres | ft./ft. meters/ mètres | h. m. | ft./ft. meters/ mètres | ft./ft. meters/ mètres | ft./ft. meters/ mètres | ft./ft. meters/ mètres | ft./ft. meters/ mètres |

(AMA8035-10-35)

(DFO-H98-110)

***2329 CANADIAN HYDROGRAPHIC SERVICE - Information about CHS chart dealers**

1 - NEWLY APPOINTED CHART DEALERS

Antigonish Rent-All & Equipment Ltd.
233 Old South River Road
Antigonish, Nova Scotia
B2G 2H6
Tel: (902) 863-6633
Fax: (902) 863-1918
Email: antigonish.rent-all@ns.sympatico.ca

Hurst Marina
2726 River Road
Manotick, Ontario
K4M 1B4
Tel: (613) 692-1234
Fax: (613) 692-3019
Email: hurst@fox.nstn.ca
Web: www.hurstmarina.com

Centre Nautique Lachine Inc.
2280, boul. St-Joseph
Lachine, Québec
H8S 2N7
Tel: (514) 634-0407
Fax: (514) 634-0407

Indigo Books Music & Café
259 Princess Street
Kingston, Ontario
K7L 1B4
Tel: (613) 546-4684
Fax: (613) 546-5638
Email: ballan@indigo.ca

2 - DEALER ADDRESS CHANGE

OLD ADDRESS

Marina de Trois-Rivières
C.P. 11
Île St-Quentin, Québec
G9A 5E3
Tel: (819) 374-5862
Fax: (819) 374-9450

NEW ADDRESS

Marina de Trois-Rivières Inc.
1 chemin de l'île St-Quentin, C.P. 11
Île St-Quentin, Québec
G9A 5E3
Tel: (819) 374-5862
Fax: (819) 374-9450

Marine Press of Canada
295 de la Montagne
Montréal, Québec
H3C 4K4
Tel: (514) 932-8342
Fax: (514) 931-3711

Marine Press of Canada
640 St-Paul West, Suite 300
Montréal, Québec
H3C 1L9
Tel: (514) 866-8342
Fax: (514) 866-9050
Email: m_press@magnet.ca

Yachting World, Div. of R.E.F. Corp.
One Water Street, Box 268
Youngstown, NY 14174
U.S.A.
Tel: (716) 745-3700
Fax: (716) 745-3796

Yachting World, Div. of R.E.F. Corp.
400 Main Street
Youngstown, NY 14174-1017
U.S.A.
Tel: (716) 745-3700
Fax: (716) 745-3796

Cole Stationery & Office Services
 115B Old Hampton Road
 Fairvale, New Brunswick
 E2E 2P9
 Tel: (506) 849-1790
 Fax: (506) 849-1851

Cole Stationery & Office Services
 52C Marr Road
 Rothesay, New Brunswick
 E2E 3K6
 Tel: (506) 849-1790
 Fax: (506) 849-1851

Lauderdale Point Resort Inc.
 R.R. #1
 Severn Bridge, Ontario
 P0E 1N0
 Tel: (705) 689-1800
 Fax: (705) 689-2601

Lauderdale Point Resort Inc.
 3500 Lauderdale Point Crescent
 Severn Bridge, Ontario
 P0E 1N0
 Tel: (705) 689-1800
 Fax: (705) 689-2601

Peninsula Press Limited
 39 Ontario Street, P.O. Box 1628
 St. Catharines, Ontario
 L2R 7J9
 Tel: (905) 641-3030
 Fax: (905) 641-4700

Peninsula Press Limited
 217 Bunting Road
 St. Catharines, Ontario
 L2M 3Y2
 Tel: (905) 641-3030, 1-888-485-5653
 Fax: (905) 641-4700
 Email: e-mail@penpress.com
 Web: www.penpress.com

3 - THE FOLLOWING ARE NO LONGER AUTHORIZED CHS CHART DEALERS

Alexander Marine Ltd.
 570 Davie Street
 Vancouver, B.C.
 V6B 2G4
 Tel: (604) 689-5972

Nordest Marine
 Marina du Vieux Port de Québec
 105 Abraham-Martin, Suite 100B
 Québec, Québec
 G1K 7G7
 Tel: (418) 694-2095
 Fax: (418) 694-1165

Cross Marine Electronics Ltd.
 71 Ilsley Avenue, Unit 1
 Dartmouth, Nova Scotia
 B3B 1L5
 Tel: (902) 468-3993
 Fax: (902) 468-4374

(AMA8035-10-35)

(DFO-H98-105)

***2332 NEWFOUNDLAND - AVALON PENINSUL A - Lights and buoys.**

Charts (Last correction) - 4852(NAD 83)(1)(1539/98) - 4854(NAD 83)(2)(2113/98) - LC 4853(NAD 83)(6,7)(300/97) - LC 4850(NAD 83)(3-7)(1906/98) - LC 8014(NAD 27)(8)(1906/98) - LC 4017(NAD 27)(8)(1918/98)

| | | | |
|---------------|--|------|-----------------------------|
| 1. Add | light F R | | 48°08'49".2 N 53°41'45".6 W |
| 2. Reposition | red light and bell buoy JB2 | from | 48 41 52 N 53 07 51 W |
| | | to | 48 41 48 N 53 07 48 W |
| 3. Add | red lighted spar buoy FI R, marked CJ4 | | 47 55 24 N 53 03 26 W |
| 4. Add | green lighted spar buoy FI G, marked CJ5 | | 47 54 58 N 53 03 38 W |
| 5. Add | red lighted spar buoy FI R, marked CJ6 | | 47 55 07 N 53 03 46 W |
| 6. Add | light FI R | | 48 09 53 N 52 56 16 W |
| 7. Add | light LFI 10s 46m | | 48 10 12 N 52 56 09 W |
| 8. Add | light LFI 10s 153ft | | 48 10 12 N 52 56 09 W |

NOTE: Digital data products 4017R/M, 4850R/M, 4852R/M, 4853R/M, 4854R/M, 8014R/M, 76051(4852), 76052(4852), 76092(4017), 76146(4850), 76147(4850), 76148(4850), 76243(4853), 76244(4853), 76245(4853) and 76340(4854) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-206,224,276,285,337-339)(DFO-H98-101)

***2334 NEWFOUNDLAND - HARBOURS IN PLACENTIA BAY - Buoys.**

Chart (Last correction) - 4615(NAD 27)(1-4)(1328/98)

| | | | |
|-----------|---|--|---------------------------|
| 1. Delete | green spar buoy PE1 | | 47°23'46".5 N 54°39'54" W |
| 2. Add | green lighted spar buoy FI G, marked PE7 | | 47 23 46.5 N 54 39 54 W |
| 3. Delete | can buoy PE | | 47 23 23 N 54 39 43 W |
| 4. Add | port bifurcation lighted spar buoy GRG, FI(2+1) G, marked PE5 | | 47 23 23 N 54 39 43 W |

NOTE: Digital data products 4615R/M and 76228(4615) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-189,190)(DFO-H98-104)

***2331 NEWFOUNDLAND - LABRADOR - CAPE HARRISON TO NUNALSALUK ISLAND - Buoys and lights.**

Charts (Last correction) - 5048(NAD 83)(1-3,8)(1709/98) - 5047(4-9)(752/96) - 5047(Inset Hopedale Harbour)(5)(752/96) - 5045(10-12)(388/97) - 5044(12-14)(1754/98) - LC 5023(NAD 83)(7-14)(752/96) - 4730(15)(1143/98)

| | | |
|---------|--|-----------------------------|
| 1. Add | light FI 4s 44m | 55°54'00".5 N 60°33'27".7 W |
| 2. Add | light FI | 55 51 25.3 N 60 43 19.1 W |
| 3. Add | light FI G | 55 48 19.7 N 60 29 15.3 W |
| 4. Add | light FI | 55 38 21 N 60 23 48 W |
| 5. Add | red lighted spar buoy FI R, marked NH2 | 55 27 05 N 60 12 06 W |
| 6. Add | light FI | 55 15 51 N 60 02 06 W |
| 7. Add | light FI G 2s 34m | 55 24 54.7 N 60 01 50.8 W |
| 8. Add | light FI | 55 43 25 N 60 20 36 W |
| 9. Add | light FI 3s 20m | 55 36 04.2 N 60 18 29 W |
| 10. Add | green lighted pillar buoy FI G, marked NM3.5 | 55 10 48 N 59 06 42 W |
| 11. Add | green lighted pillar buoy FI G, marked NT5 | 55 07 31.5 N 58 56 54 W |
| 12. Add | green lighted pillar buoy FI G, marked NH5 | 54 59 43.7 N 58 30 53.6 W |
| 13. Add | light Mo(A) | 54 58 52.8 N 58 17 43.2 W |
| 14. Add | light FI | 54 50 26.4 N 58 22 21 W |
| 15. Add | light Mo(A) | 54 59 00 N 58 17 45 W |

(AMA8035-10-7-2)

(CCG-N98-017,273, 319-322, 346-349, 363-365, 374)(DFO-H98-096)

*2343 NEWFOUNDLAND - CRABBES RIVER - Buoy.

Chart (Last correction) - LC 4022(NAD 27)(1)(1339/98)

| | | |
|--------|--|-----------------------------|
| 1. Add | red and white fairway light buoy FI, marked XD | 48°13'26".5 N 58°52'17".8 W |
|--------|--|-----------------------------|

NOTE: Digital data products 4022R/M and 76271(4022) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-180)(DFO-H98-108)

***2341 LABRADOR - ECLIPSE HARBOUR TO CAPE WHITE HANDKERCHIEF - Chart amendments.**

Chart (Last correction) - 4771(1-4)(1532/98)

Reference: Notice 1532/98.

- | | | |
|-----------|---|-------------------------|
| 1. Delete | rock which covers and uncovers with a drying height of 3 feet | 59°03'30" N 63°31'30" W |
| 2. Add | rock which covers and uncovers with a drying height of 3 feet | 59°30'30" N 63°31'30" W |
| 3. Delete | rock which does not cover with an elevation of 1 foot | 59 43 45 N 64 43 30 W |
| 4. Add | rock which does not cover with an elevation of 1 foot | 59 43 45 N 63 43 30 W |

(AMA8035-10-35)

(DFO-H98-108)

***2327 GULF OF ST. LAWRENCE - ÎLE DU FANTÔME - Chart amendment.**

Chart (Last correction) - 4429(NAD 27)(1)(324/98)

- | | | |
|------------|---|------------------------------------|
| 1. Replace | (4) with a drying height of 4 fathoms above chart datum | 50°13'56".8 N 63°41'25" W (approx) |
|------------|---|------------------------------------|

NOTE: Digital data products 4429R/M and 79004(4429) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-147)

***2350 NOVA SCOTIA, SOUTHEAST COAST - Submarine cable.**

Chart (Last correction) - LC 8006(NAD 27)(1)(1526/98)

- | | | | |
|--------|-----------------|---------|--|
| 1. Add | submarine cable | joining | 43°33'00" N 63°47'36" W 43 30 02 N 63 49 11 W 42 54 17 N 63 53 54 W 42 46 44 N 63 51 10 W 42 43 20 N 63 49 10 W 42 19 57 N 63 40 20 W and 41 59 17 N 63 00 00 W |
|--------|-----------------|---------|--|

NOTE: Digital data product 8006R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-12)

(DFO-A98-107)

***2335 CHALEUR BAY - GASCONS - Shoal depths.**

Charts (Last correction) - 4921(Plan,Baie de Port-Daniel)(NAD 83)(1,2)(1928/98) - LC 4486(NAD 27)
(3)(1736/98)

- | | | |
|------------|---|---------------------------|
| 1. Add | 14 metres 4 decimetres | 48°10'04" N 64°56'23".3 W |
| 2. Replace | 18 metres 6 decimetres with 17 metres 9 decimetres | 48 09 45.6 N 64 56 14.2 W |
| 3. Add | 7 fathoms 2 feet | 48 10 33.4 N 64 54 53.6 W |

NOTE: Digital data products 4486R/M, 4921R/M, 76187(4486) and 79069(4921) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-139)

***2321(P) ST. LAWRENCE RIVER - BAIE DE MOISIE - Rocks and shoal depths.**

Chart (Which will be affected) - LC 1221(NAD 27)(1-8)

- | | | |
|------------|--|--------------------------------|
| 1. Add | rock which covers and uncovers with a drying height of 2metres 3 decimetres | 50°15'46" N 65°52'16".8 W |
| 2. Add | rock which covers and uncovers with a drying height of 1metre 5 decimetres | 50 15 34.8 N 65 51 39.8 W |
| 3. Add | 8 metres 3 decimetres | 50 16 30.3 N 65 57 23.8 W |
| 4. Delete | 8 metres 4 decimetres | 50 15 24 N 65 52 48 W (approx) |
| 5. Add | 8 metres | 50 15 24.9 N 65 52 42.8 W |
| 6. Add | 3 metres 9 decimetres | 50 16 45.1 N 65 55 59.5 W |
| 7. Replace | rock of known depth of 0metres 1 decimetre with a rock which covers and uncovers with a drying height of 1 metre 5 decimetres | 50 16 28.6 N 65 53 42 W |
| 8. Add | rock which covers and uncovers with a drying height of 2metres 8 decimetres | 50 15 59.1 N 65 52 38.5 W |

NOTE: Digital data products 1221R/M and 79028(1221) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-136)

***2311 ST. LAWRENCE RIVER - BAI E DE MOISIE - Rocks and shoal depths.**

Chart (Last correction) - LC 4026(NAD 27)(1-5)(1931/98)

| | | |
|-----------|--------------------------------|-----------------------------|
| 1. Add | rock which covers and uncovers | 50°16'47".1 N 65°57'17".8 W |
| 2. Add | rock which covers and uncovers | 50 15 35 N 65 51 37.7 W |
| 3. Add | rock which covers and uncovers | 50 15 20.6 N 65 51 08.6 W |
| 4. Delete | 7 fathoms | 50 14 06.9 N 65 48 28.7 W |
| 5. Add | 6 fathoms 3 feet | 50 14 04.3 N 65 48 13.8 W |

NOTE: Digital data products 4026R/M and 79044(4026) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-144)

***2310 BAY OF FUNDY - SAINT-JOHN HARBOUR - Chart amendment.**

Chart (Last correction) - 4117(NAD 83)(1)(1530/98)

Reference: Notice 1530/98.

On certain copies.

| | | |
|------------|---|-----------------------------|
| 1. Replace | red buoy JC20 with a red lighted pillar buoy FI R, marked JC20 | 45°16'10".9 N 66°02'22".8 W |
|------------|---|-----------------------------|

NOTE: Digital data products 4117R/M and 76005(4117) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-102)

***2347 ST. LAWRENCE RIVER - BAIE TRINITÉ - Shoal depth.**

Chart (Last correction) - LC 1236(NAD 83)(1)(2333/98)

| | | |
|--------|---|---------------------------|
| 1. Add | drying height of 0 metres 6 decimetres | 49°25'16".8 N 67°17'01" W |
|--------|---|---------------------------|

NOTE: Digital data products 1236R/M and 79037(1236) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-132)

***2333 ST. LAWRENCE RIVER - PO INTE-AU-PÈRE - Light.**

Chart (Last correction) - LC 1236(NAD 83)(1)(762/98)(Inset,Rimouski/Pointe au Père)
(NAD 83)(1)(762/98)

1. Delete light 48°31'04".7 N 68°28'04".6 W

NOTE: Digital data products 1236R/M, 79037(1236) and 79041(1236) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L97-157)(DFO-Q98-143)

***2330(T) ST. LAWRENCE RIVER - BAIE VERTE - Light discontinued temporarily.**

Chart (Temporarily affected) - LC 1236(Inset,Baie Verte)(NAD 83)(1)

Light 48°44'16" N 69°02'55" W

NOTE: (1) Experimental reflective light panels have been installed on light structure (LL 1737) at the end of Baie Verte breakwater. The upper portion is painted white and the lower portion is red. The light is discontinued until further notice. Mariners are invited to forward their comments to: Aids to Navigation Office, 101 boul. Champlain, Québec, Québec, G1K 7Y7.

(2) Digital data products 1236R/M and 79039(1236) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L98-120)(DFO-Q98-146)

***2340 ST. LAWRENCE RIVER - SAGUENAY RIVER - Chart amendments.**

Chart (Last correction) - LC 1235(NAD 83)(1,2)(1713/98)

Reference: Notice 521/98.

On certain copies.

1. Add Inset limits joining 48°08'36" N 69°42'38" W
48 08 36 N 69 43 44 W
48 08 00 N 69 43 44 W
48 08 00 N 69 42 38 W
and 48 08 36 N 69 42 38 W

2. Add legend Cartouche/Inset 1203 48 08 27 N 69 44 33 W

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

(AMA8035-10-35)

(DFO-H98-106)

***2337 ST. LAWRENCE RIVER - MONTMAGNY - Buoy.**

Chart (Last correction) - 1317(NAD 83)(1)(1538/98)

1. Add white and orange lighted information pillar buoy FI Y, marked Marina Montmagny 47°01'34".2 N 70°33'43".1 W

NOTE: 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.

(AMA8035-10-5-9)

(CCG-L98-041)(DFO-Q98-149)

***2339 QUÉBEC - SAGUENAY RIVER - BAIE DES HA ! HA! - Light.**

Chart (Last correction) - 1202(Inset,Baie des Ha! Ha!)(NAD 27)(1)(1332/98)

Reference: Notice 632(P)/93 cancelled.

1. Amend FI R to read Iso R 48°20'41".1 N 70°52'43".6 W

NOTE: Digital data products 1202R/M and 79079(1202) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L98-013)(DFO-Q98-150)

***2336 ST. LAWRENCE RIVER - SAINT-DAVID-DE-L'AUBERIVIÈRE - Chart amendments.**

Chart (Last correction) - 1315(NAD 83)(1,2)(New ed., Sept./98)

1. Add drying height of 1 metre 7 decimetres above crib 46°46'57".6 N 71°12'15".5 W

2. Add drying height of 1 metre 8 decimetres above crib 46 47 05.8 N 71 12 09.3 W

NOTE: 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-Q98-145)

***2352 ST. LAWRENCE RIVER - NEUVILLE - Chart amendment.**

Chart (Last correction) - 1315(NAD 83)(1)(2336/98)

1. Add flash symbol against information light buoy VAUQU 46°41'15" N 71°33'49".6 W

NOTE: 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-H98-115)

***2307 ST. LAWRENCE RIVER - PORTNEUF - Range lights.**

Chart (Last correction) - 1314(NAD 83)(1)(2132/98)

1. Amend range lights 46°41'22".7 N 71°52'12".9 W (approx)

Front - F 20m to read F G 20m

Rear - F 41m to read F G 41m

NOTE: Digital data products 1314R/M and 79017(1314) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L98-118)(DFO-Q98-142)

***2345 ST. LAWRENCE RIVER - BERTHIERVILLE - Chart amendment.**

Chart (Last correction) - 1312(NAD 83)(1)(1923/98)

1. Replace emerged crib with a crib with a depth known of 1 metre 46°03'57".4 N 73°10'46".4 W

NOTE: Digital data products 1312R/M and 79129(1312) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-152)

***2305(P) ST. LAWRENCE RIVER - MONTRÉAL HARBOUR – MONTRÉAL-EST - Maintained area.**

Chart (Which will be affected) - 1310(Compartment A-B)(NAD 83)(1,2) - 1310(Compartment B-C)(NAD 83)(1,2)

| | | | |
|-----------|---------------------------------|---------|-----------------------------|
| 1. Delete | dredged area with depth of 9,8m | Joining | 45°36'52".2 N 73°30'18".2 W |
| | | | 45 36 52.1 N 73 30 17.3 W |
| | | and | 45 36 59.2 N 73 30 14.6 W |
| | | | 45 36 59.4 N 73 30 15.4 W |

| | | | |
|--------|---------------------------------|---------|---------------------------|
| 2. Add | dredged area with depth of 9,1m | Joining | 45 36 51.2 N 73 30 18.6 W |
| | | | 45 36 51 N 73 30 17.7 W |
| | | and | 45 36 59.2 N 73 30 14.6 W |
| | | | 45 36 59.5 N 73 30 15.4 W |

NOTE: Digital data products 1310R/M, 79001(1310) and 79080(1310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-127)

***2308(P) ST. LAWRENCE RIVER - MONTRÉAL HARBOUR - WHARF 46 - Maintained area.**

Chart (Which will be affected) - 1310(Compartment B-C)(NAD 83)(1-3)

| | | | |
|---------------|--------------------|---------|---|
| 1. Reposition | 10,2m | from | 45°32'44".5 N 73°31'49".1 W |
| | | to | (approx) 45 32 42.4 N 73 31 50.6 W (approx) |
| 2. Add | dredged area limit | joining | 45°32'45".8 N 73°31'47".7 W |
| | | | 45 32 45.1 N 73 31 51.3 W |
| | | | 45 32 43.1 N 73 31 53 W |
| | | and | 45 32 44.4 N 73 31 46.3 W |
| 3. Add | 10,7m | | 45 32 44.3 N 73 31 49.9 W (approx) |

NOTE: Digital data products 1310R/M and 79080(1310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-138)

***2309(P) ST. LAWRENCE RIVER - MONTRÉAL HARBOUR - WHARF 45 - Maintained area.**

Chart (Which will be affected) - 1310(Compartment B-C)(NAD 83)(1-4)

| | | | |
|-----------|--------------------|---------|----------------------------------|
| 1. Delete | dredged area limit | joining | 45°32'45" N 73°31'51".9 W |
| | | and | 45 32 40.6 N 73 31 55.5 W |
| 2. Delete | 9,1m | | 45 32 43 N 73 31 53.3 W (approx) |
| 3. Add | dredged area limit | joining | 45 32 45.1 N 73 31 51.3 W |
| | | and | 45 32 40.3 N 73 31 55.3 W |
| 4. Add | 6,1m | | 45 32 41.9 N 73 31 54 W (approx) |

NOTE: Digital data products 1310R/M and 79080(1310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-140)

***2342 ST. LAWRENCE RIVER - MONTRÉAL HARBOUR TO SOREL HARBOUR - Buoys.**

Chart (Last correction) - 1310(Inset, Quai Alexandra)(NAD 83)(1)(2151/98) – 1310
(Compartment B-C)(NAD 83)(1-6)(2151/98) - 1310(Compartment A-B)(NAD 83)
(4-8)(2151/98)

Reference: Notice 1335/98.

On certain copies

| | | |
|------------|------------------------------------|-----------------------------|
| 1. Replace | green light buoy M207 with a green | 45°30'09".1 N 73°32'42".1 W |
|------------|------------------------------------|-----------------------------|

| | | |
|------------|--|-----------------------------|
| | spar buoy, marked M207 | |
| 2. Replace | green light buoy M193 with a green spar buoy, marked M193 | 45 31 50 N 73 32 10 W |
| 3. Replace | light buoy Longueuil A with a yellow spar buoy marked, Longueuil A | 45 33 38.6 N 73 30 32.6 W |
| 4. Replace | light buoy MEA with a yellow spar buoy, marked MEA | 45 36 53.5 N 73 29 40.9 W |
| 5. Replace | light buoy PAT H with a yellow spar buoy, marked PAT H | 45 37 49.1 N 73 29 07.8 W |
| 6. Replace | light buoy PAT E with a yellow spar buoy, marked PAT E | 45°38'03".1 N 73°28'52".8 W |
| 7. Replace | light buoy PAT C with a yellow spar buoy, marked PAT C | 45 38 26.6 N 73 28 37.3 W |
| 8. Replace | red light buoy M152 with a red spar buoy, marked M152 | 45 38 20.6 N 73 29 05.3 W |

NOTE: Digital data products 1310R/M, 79001(1310), 79002(1310) and 79080(1310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-067K)(DFO-H98-107)

***2338 QUÉBEC - OTTAWA RIVER - LAC DES DEUX MONTAGNES - DORION - Rocks awash.**

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

| | | |
|------------|---|-----------------------------|
| 1. Replace | drying height of 0 feet with a rock awash | 45°23'02".8 N 74°00'06".9 W |
| 2. Replace | drying height of 0 feet with a rock awash | 45 23 05.3 N 74 00 01.5 W |
| 3. Add | rock awash | 45 23 01.2 N 74 00 10.3 W |

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

(AMA8035-10-35)

(DFO-Q98-122)

***2328 OTTAWA RIVER - BAIE GRENVILLE - Channel.**

Chart - 1514(Compartment A-B, Carillon à/toPapineauville)(NAD 83)(1)

| | | | |
|-----------|---------------------------------------|-------------|--|
| 1. Delete | picked line of Baie Grenville channel | joining and | 45°37'32" N 74°36'49" W (approx) 45 38 15.5 N 74 38 05 W (approx) |
|-----------|---------------------------------------|-------------|--|

(AMA8035-10-35)

(DFO-Q98-105)(CCG-L98-095)

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

***2333 CANADIAN COAST GUARD PUBLICATIONS - Amendment to the Radio Aids to Marine Navigation (Atlantic and Great Lakes) publication 1998.**

Page:

2 - 71 Under Station Name and
 Location

 Amend coordinates against
 POINTE-AU-PÈRE to read
 48 31 04.7 N 68 28 04.6 W

(M2204-146)

(CCG-L97-157)

Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 222 — Paragraph 44, line 12 – after “island.”

Insert : A **light** (319.1) is situated on the south end of Northern Island.

Page 223 — Paragraph 48, line 4 – after “extremity.”

Insert : A **light** (319.254) is situated on the south end of Double Island.

Page 224 — Paragraph 74, line 4 – after “ESE”

Insert : – port hand light **buoy** NT5 is moored south of the reef

Page 224 — Paragraph 83, last line

Add : Port hand light **buoy** NH5 marks the easternmost rock.

Page 226 — Paragraph 109, line 7 – after “continuously”

Insert : and marked by port hand light **buoy** NM3.5

Page 239 — Paragraph 205, last line

Add : A **light** (320.6) is situated on the west entrance point of Kanairiktok Bay.

Page 241 — Paragraph 238, line 5 – after “island.”

Insert : A **light** (321.74) is situated on Landmark Point.

Page 244 — Paragraph 270, last line

Add : A **light** (322.01) is situated on the NE point of the island.

Page 244 — Paragraph 273, last line

Add : A **light** (322.02) is shown from the east end of an island situated about 0.7 mile west of Napatalik Island.

Page 244 — Paragraph 274, last line – after “coloured”

Insert : ; a **light** (322.03) is situated on the westernmost islet

Page 245 — Paragraph 292, last line

Add : A **light** (323.290) is situated on South Tikigakjuk Point.

Page 245 — Paragraph 295, last line

Add : A **light** (323.310) is situated on the east part of the island.

SAILING DIRECTIONS AND SMALL CRAFT GUIDES CORRECTIONS

Monthly Edition No. 12/98

Page 246 — Paragraph 303, line 5 – after “steep-to.”
 Insert : A **light** (323.320) is situated on the NE part of Entry
 Island.

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

Page 8 – Paragraph 91, lines 6 to 8 (re: correction
 promulgated in Monthly Edition No. 4/97)
 Add : A **light** (464.5) is situated on the outer end of the
 wharf.

Page 24 — Paragraph 239, line 2 – after “Point.”
 Insert : A **light** (471.7) is situated near the west entrance
 point of the cove.

Page 24 – Paragraph 240, last line
 Add : A **light** (473.1) is situated on the outer end of the
 wharf.

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

Page 240 – Delete paragraph 168
 Replace by: 168 **Caution.** – Four fuelling dolphins are shown on
 the chart 0.2 mile south of the Industrial Park. The fuelling
 operation has been discontinued however, oil tanks on the
 shore to the east remain **conspicuous**. The north dolphin
 has collapsed, and there is a reported depth of 18 m (6 ft)
 over the ruins. The remaining dolphins are in a state of
 disrepair and the flashing lights on them are not reliable.

(A7/98)

Gulf of St. Lawrence, First Edition, 1992 —

Page 63 — Paragraph 225, lines 4 to 6
 Delete: “There...wharf.”
 Replace by: The T-shaped wharf, on which stands a **light**
 (1539.123), is in ruins.

(L55/98)

Page 63 — Paragraph 225, last line
 Add: An outfall pipe extends 200 m from the shore in a SE
 direction about 500 m WNW ofîle Black.

(L61/98)

Page 172 — Delete paragraphs 162 to 167

Replace by:

162 The **Port of Belledune** is an artificial harbour operated by Ports Canada. It is contained by a breakwater and three marine terminals. In 1997, 104 ships called at the port, which handled 2.1 million tonnes of bulk cargo. The harbour is approached from the NE in Chaleur Bay and entered between Belledune Point (*47° 56' N, 65° 50' W*), and the outer end of the breakwater, 0.4 mile NW. A **light** (1340.1) is shown from a white structure on **Belledune Point**. Another **light** (1340.2) is shown from a white daymark with an orange square on the outer end of the breakwater. There are two privately maintained sector **lights** within the harbour. The port maintains radio communication on VHF channels 16 and 65A – USA, (156.8 and 156.275 MHz).

163 The approach channel has a width of about 145 m and a reported depth of 11.6 m. It is recommended that fully laden bulk carriers restrict their safe arrival draft to 12.6 m and berth at high tide. (Dock water density is 1018 to 1025). **Pilotage** is not compulsory but recommended. A ship may not enter the port without first notifying the harbour master on VHF radio. The port has restrictions on docking in certain wind conditions and may require a vessel to use the services of a tug, which are available. The pilot boat meets arriving vessels between 1.5 and 2 miles NE of the breakwater. There are designated **anchorages** 1.5 and 3 miles NE of the breakwater in 27 and 33 m, in good holding ground, hard mud, but with little shelter. The prevailing winds are from the NW and the harbour offers good shelter.

164 The port is open to shipping all the year and is ice free most winters. Prevailing easterly winds bring pack ice into Chaleur Bay making the approaches to Belledune difficult at times with heavy and rafted ice.

165 The Coal Wharf and the Brunswick Mining and Smelting (BMS) Wharf lie on the south side of the breakwater. The Coal Wharf, situated to seaward, is 307 m long, 28 m wide, and has reported depths of 14.4 to 14.8 m alongside. The BMS wharf is 155 m long, 15 m wide, with a reported depth of 10.1 m alongside. A third wharf, the Mixed Cargo Wharf, lies on the south side of the harbour. It is 455 m long, 100 m wide, and has reported depths of 10.1 to 11.5 m alongside (1998). A lighted mooring **buoy**, privately maintained, is moored about 77 m east of the Mixed Cargo Wharf. The buoy is used when a bow or stern extends beyond the east end of the berth, especially with winds from between NE and SE. The wharves are serviced by road, conveyors and pipelines.

166 Water, bunker and diesel oil can be supplied by tank truck. Minor repairs can be made. Belledune had a population of 2 060 in 1998.

(A8/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDES CORRECTIONS

Monthly Edition No. 12/98

Page 175 — After paragraph 184.1

Insert: 184.2 A marina is situated in the part of the cove and the services include: ramp, gasoline, diesel fuel, power, restaurant, repairs, shower, laundromat, pump out, telephone, mail, propane, groceries and ice. (L47/98)

Page NOTES — **POINTE-BASSE** Diagram (re: correction promulgated in Monthly Edition No. 1/97)Delete 1₃ @ 326°30', 245 metres from the inner SE corner of the border.Add 0₅ @ 326°, 247metres from the inner SE corner of the border.Add 1₈ @ 308°30', 283 metres from the inner SE corner of the border.Add 0₅ @ 316°30', 247 metres from the inner SE corner of the border.Substitute (1997) for (1996) @ 33~~4~~, 265 metres from the inner SE corner of the border.

(L57/98)

ATL 110 — St. Lawrence River, CapWhittle/Cap Gaspé, First Edition, 1992 —

Page 30 — Paragraph 358, lines 2 to 4

Delete: "Point...329°."

Replace by: Baie-Trinité church bearing 329° at a distance of 1.2 miles.

(L54/98)

Page 30 — Paragraph 361, line 6

Delete: light

(L54/98)

Page 31 — Paragraph 363, line 4

Delete: light

(L54/98)

Page 43 — Paragraph 110, lines 4 and 5 – after "navigation." re: correction promulgated in Monthly correction No. 6/98)

Add: Two cautionary buoys are moored west of the breakwater.

(L64/98)

Page 43 — Paragraph 110, last line

Delete: first

(L64/98)

Page 59 — Paragraph 88, lines 6 – before ". A"

Insert: A mobile ramp for the ferry is on the east side of the inner end of the wharf.

(L54/98)

Page 60 — Paragraph 88, lines 7 to 10

Delete: "East...wharf."

Replace by: A ramp is situated east of the inner end of the private wharf.

(L54/98)

Page 60 — Paragraph 89, lines 3 and 4

Delete: "A...Verte."

(L54/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDES CORRECTIONS

Monthly Edition No. 12/98

Page 60 — After paragraph 95

Insert: 95.1 A ferry (cars and passengers)— seasonal — operates
between Forestville and Rimouski.

(L54/98)

Page 67 — Paragraph 168, lines 2 to 4

Delete: "The...airport."

(L54/98)

Page 67 — Paragraph 168, line 4 – after "Antennas"

Insert: (radio)

(L54/98)

Page 67 — Paragraph 168, lines 4 and 5

Insert: at the radio station

(L54/98)

Page 67 — Paragraph 172, line 1

Page 67 — Paragraph 173, line 2

Page 67 — Paragraph 173, line 4

Delete: light

Replace by: radiobeacon

(L54/98)

Page 64 — After Table 3.5

Delete: *Dredged in 1992

Replace by: *Dredged in 1995

(L54/98)

Page 69 — Paragraph 184, lines 8 and 9

Delete: "The...characteristics."

Replace by: See **Table 3.5** for the characteristics.

(L54/98)

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

Page 38 — Paragraph 92, lines 1 and 2

Delete: "A...Collège."

Replace by: Two microwave towers stand 1.8 miles SW of
Montagne du Collège.

(L78/98)

Page 39 — Paragraph 96, lines 4 to 7

Delete: "A...(190 ft)."

(L67/98)

Page 40 — Paragraph 118, lines 1 to 4

Cancel correction promulgated in Monthly Edition No. 2/98.

(L70/98)

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

Page 4 — After paragraph 48

SAILING DIRECTIONS AND SMALL CRAFT GUIDES CORRECTIONS

Monthly Edition No. 12/98

Insert: 48.1 **Caution.** – A fishing device extends from 46° 40' 46" N, 71° 48' 33" W to 46° 40' 30" N, 71° 48' 53" W. Mariners are requested to exercise caution when navigating in this area.

(L65/98)

Pages 39 and 40 — **Table 2.4**Make the following changes in the **Depth** column

| Berth | Depth ft (m) |
|--------------|------------------------|
| 45 | 20 (6.1) |
| 46 | 35 (10.7) |
| 96 | 30 (9.1) |
| 97 | 30 (9.1) |

(L66/98)

CEN 301 — St. Lawrence River, Montréal to Kingston, First Edition, 1996 —

Page VII – left hand column, line 7

Delete: 4
Substitute: 3

(C13/98)

Page VII – second last line

Delete: **Authority**
Substitute: **Management Corporation**

(C13/98)

Page 2 – Paragraph 12, lines 8 and 9

Delete: "Authority" to the end of the paragraph
Substitute: Management Corporation, 202 Pitt Street, Cornwall, Ontario, K6J 3P7, telephone (613) 932-5170, fax (613) 932-5037.

(C13/98)

Page 2 – Paragraph 13, line 5

Page 21 – Paragraph 312, line 6

Delete: Authority
Substitute: Management Corporation

(C13/98)

Page 20 – Paragraph 294, last line

Add: There is a starboard hand day beacon on the SE tip of the island.

(C12/98)

Page 27 – Paragraph 72, line 5– after "(2,198 ft)."

Insert: A white circular tower on the north end of the lower approach wall has a red upper part. There is a similar tower at the south end of the upper west approach wall.

(C10/98)

- Page 29 – Paragraph 105, last line
 Add: There is a white circular tower with a red upper part on a pier at the SE corner of thegroyne. (C10/98)
- Page 30 – After paragraph 115
 Insert: 115.1 There is a fluorescent-orange rectangular daymark on the SE side of the grain elevator. (C10/98)
- Page 34 – After paragraph 160
 Insert: 160.1 There is white circular tower with a green upper part on the NW side ofMcNair Island. (C11/98)
- Page 34 – Delete paragraph 167. (C11/98)
- Page 41 – After paragraph 39
 Insert: 39.1 **Beauvais Point**, 0.4 mile SSE of Quebec Head, is the east end of Wolfe Island. **Banford Point** is on the south shore ofWolfe Island 3 miles WSW of Beauvais Point. There is a white circular tower with a red upper part on Banford Point. (C12/98)
- Page 42 – After paragraph 56
 Insert: 56.1 There is a white circular tower with a red upper part on the east side of the Public wharf. (C12/98)
- Page 43 – After paragraph 63
 Insert: 63.1 There is a white circular tower on the hillside 1.5 miles SW of Point Alexandria. (C12/98)
- Page 63 [Index] – AfterBeaurivage Island, 47
 Insert: Beauvais Point, 41 (C12/98)

Small Craft Guide, Rideau Waterway and Ottawa River, Second Edition —

- Chapter I — After paragraph 126
 Add: 126.1 **Migratory bird sanctuaries** — Mariners who pass through bird sanctuaries are subject to the *Migratory Bird Sanctuary Regulations* of the *Migratory Birds Convention Act*. These sanctuaries are generally shown on charts. In these sanctuaries it is prohibited to hunt, disturb, destroy, take nests or to possess a bird, an egg, etc. It is also prohibited to have firearms or any other hunting gear. Dogs and cats are not allowed to run free. Access is restricted

SAILING DIRECTIONS AND SMALL CRAFT GUIDES CORRECTIONS

Monthly Edition No. 12/98

or prohibited at certain sites; consult the Canadian Wildlife Service of Environment Canada for further information.

(L56/98)

Chapter VIII — Paragraph 107, lines 1 and 2

Delete: "Boulders...(1985)"

Replace by: Rocks awash

(L69/98)

Chapter VIII — Paragraph 110 , line 5 – after "banks"

Insert: and rocks awash

(L69/98)

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

NEWFOUNDLAND

| | | | | | | | | | |
|---------|--|---|---------------|----|-------|-------|---|--|----------------------------------|
| 53.3 | <i>Petite Forte light buoy PE5</i> | 47 23 23 54 39 43 | Fl G (2+1) | 6s | ..... | ..... | Green, red and green, marked "PE5". | Year round. | Chart:4615 2334/98 |
| 53.4 | <i>Petite Forte light buoy PE7</i> | 47 23 46.5 54 39 54 | Fl G | 4s | ..... | ..... | Green spar, marked "PE7". | Year round. | Chart:4615 2334/98 |
| 176 | <i>Crabbes River light buoy XD</i> | 48 13 26.5 58 52 17.8 | Fl(2) W | 5s | ..... | ..... | Red and white, marked "XD". | Seasonal. | Chart:4022 2343/98 |
| 231 | L'Anse au Loup, South wharf | 51 31 03.8 56 49 46.4 | F R |  | ..... | ..... | Tower. 2.1 | Year round. | Chart:4668 Edn. 12/98 |
| 231.5 | L'Anse au Loup, North wharf | Outer end of government wharf. 51 31 14 56 49 36 | Fl R | 6s | 4.0 | ..... | Mast 2.1 | | Chart:4668 Edn. 12/98 |
| 267.5 | Ming's Bight | 49 58 19.8 56 00 15.5 | Fl G | 4s | 3.4 | ..... | Mast. 2.1 | Seasonal. Flash 0.5 s; eclipse 3.5 s | Chart:4520 Edn. 12/98 |
| 319.1 | Northern Island | 54 58 52.8 58 17 43.2 | Mo(A) W | 6s | 57.8 | ..... | Skeleton tower, red and white horizontal bands on 3 sides. 3.7 | Flash 0.3 s; eclipse 0.6 s; flash 1 s; eclipse 4.1 s Year round. | Chart:5044 2331/98 |
| 319.12 | <i>Quaker Hat Shoal light buoy NH5</i> | 54 59 43.7 58 30 53.6 | Fl G | 4s | ..... | ..... | Green, marked "NH5". | Seasonal. | Chart:5044 2331/98 |
| 319.229 | <i>Tobin's Shoal light buoy NT5</i> | 55 07 31.5 58 56 54 | Fl G | 4s | ..... | ..... | Green, marked "NT5". | Seasonal. | Chart:5045 2331/98 |
| 319.239 | <i>North East Breaker light buoy NM3.5</i> | 55 10 48 59 06 42 | Fl G | 4s | ..... | ..... | Green, marked "NM3.5". | Seasonal. | Chart:5045 2331/98 |
| 319.254 | Double Point | 54 50 26.4 58 22 21 | Fl W | 4s | 33.4 | ..... | Tower, red and white horizontal bands. 3.6 | Flash 0.5 s; eclipse 3.5 s Year round. | Chart:5044 2331/98 |

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

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|--------|---|--------------------------|---------|-------|-------|---|------------------------|
| 320.6 | Bluff Point | 55 15 51 60 02 06 | Fl W 4s | | | Tower, red and white daymark. 3.7 | Chart:5047 2331/98 |
| 321.74 | Landmark Point | 55 24 54.7 60 01 50.8 | Fl G 2s | 34.0 | ..... | Tower, green and white daymark. 3.7 | Chart:5047 2331/98 |
| 321.77 | Seneraluk Rock light buoy NH2 | 55 27 05 60 12 06 | Fl R 4s | ..... | ..... | Red spar, marked "NH2". Seasonal. | Chart:5047 2331/98 |
| 322.01 | Cross Island | 55 36 04.2 60 18 29 | Fl W 3s | 20.0 | ..... | Tower, red and white daymark. 3.7 | Chart:5047 2331/98 |
| 322.03 | Gourley Island | 55 43 25 60 20 36 | Fl W 4s | ..... | ..... | Tower, red and white daymark. 3.7 | Chart:5047 2331/98 |
| 323.31 | Katauyak Island | 55 54 00.5 60 33 27.7 | Fl W 4s | 44.0 | ..... | Tower, red and white daymark. 3.7 | Chart:5047 2331/98 |
| 323.32 | Entry Island | 55 51 25.3 60 43 19.1 | Fl W 4s | ..... | ..... | Tower, red and white daymark. 3.7 | Chart:5048 2331/98 |
| 383.32 | Foots Rock light buoy DJ4 | 49 43 51 54 09 37.2 | Fl R 4s | ..... | ..... | Red spar, marked "DJ4". Seasonal. | Chart:BA293 2349/98 |
| 383.55 | Baker Rock light buoy DJ10 | 49 44 47 54 09 33 | Fl R 4s | ..... | ..... | Red spar, marked "DJ10". Seasonal. | Chart:BA293 2349/98 |
| 383.81 | Foots Rock Sandbar light buoy DJ5 | 49 44 53.4 54 09 44.4 | Fl G 4s | ..... | ..... | Green spar, marked "DJ5". Seasonal. | Chart:BA293 2349/98 |
| 448.4 | Stone Island light and bell buoy JB2 | 48 41 48 53 07 48 | Fl R 4s | ..... | ..... | Red, marked "JB2". Seasonal. | Chart:4854 2332/98 |
| 464.5 | Lower Lance Cove Wharf | 48 08 49.2 53 41 45.6 | F R | 3.3 | ..... | Tower. 2.1 Year round. | Chart:4852 2332/98 |

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

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|-------|------------------------------------|----------------------|-----------|-------|-------|--|---------------------------------------|-------------------------------|
| 471.7 | Grates Cove | 48 10 12 52 56 09 | LFI W 10s | 45.9 | | Skeleton tower, red and white horizontal bands. 4.9 | Flash 2 s; eclipse 8 s Year round. | Chart:4850 2332/98 |
| 473.1 | Grates Cove wharf | 48 09 53 52 56 16 | FI R 4s | 2.8 | ..... | Cylindrical mast. 2.5 | | Chart:4850 2332/98 |
| 475.4 | Salvage Shoal light buoy CJ4 | 47 55 24 53 03 26 | FI R 4s | ..... | ..... | Red spar, marked "CJ4". | Seasonal. | Chart:4850 2332/98 |
| 475.5 | Ochre Pit Cove East light buoy CJ5 | 47 54 58 53 03 38 | FI G 4s | ..... | ..... | Green spar, marked "CJ5". | | Chart:4850 2332/98 |
| 475.6 | Ochre Pit Cove West light buoy CJ6 | 47 55 07 53 03 46 | FI R 4s | ..... | ..... | Red spar, marked "CJ6". | Seasonal. | Chart:4850 2332/98 |

INLAND

| | | | | | | | | |
|-------|-----------------------------------|---|---------|-------|-------|--|--|----------------------------------|
| 612.8 | Leamington Harbour Main Entrance | 42 01 28 82 36 05 | F G | 6.2 | ..... | White cylindrical tower, green upper portion. 4.8 | Visible over an arc of 360°; reduced intensity of 180°; from 120° through S and W to 300°. | Chart:2181 Edn. 12/98 |
| 616.8 | Cedar Creek East | S. end of E. breakwater. 42 00 38.5 82 46 44 | FI R 4s | 4.2 | ..... | White cylindrical mast. 1.8 | Flash 0.5 s; eclipse 3.5 s Year round. | Chart:2123 Edn. 12/98 |
| 617 | Cedar Creek | Outer end of W. breakwater. 42 00 36 82 46 45 | F G | 6.0 | 8 | White cylindrical tower, green upper portion. 5.0 | Year round. | Chart:2123 Edn. 12/98 |
| 1191 | Quenneville Cautionary light buoy | 45 24 44.3 73 38 01.7 | FI Y 4s | ..... | ..... | Yellow. | Privately operated. Year round. | Chart:1409 Edn. 12/98 |
| 1192 | Lachine | 45 25 51.1 73 40 55.9 | FI G 4s | ..... | ..... | ..... | Privately operated. Year round. | Chart:1409 Edn. 12/98 |

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

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|------|-------------|----------------------------------|--------|------|-------|---|--|
| 1201 | Dixie range | On pier. 45 25 16 73 44 45 | Q G 1s | 8.4 | | Cylindrical tower on pile dolphin, fluorescent red rectangular daymark, black vertical stripe. | Visible 360°. Seasonal. |
| 1202 | | 050°43' 2037.6m from front. | Q G 1s | 24.6 | ..... | White skeleton tower, fluorescent red slatwork daymark. | Visible in line of range. Seasonal. |

Chart:1410
Edn. 12/98

ATLANTIC

Insert the following List of Light numbers (1428 to 1434) in page 144

HUDSON STRAIT AND BAY

| | | | | | | | |
|------------------|--|---|----------|------|-------|--|--|
| 1428 H58 | Koksoak River range | 58 27 37.2 68 12 26.9 | F G | 18.0 | ..... | Square skeleton tower, fluorescent orange daymark. 7.6 | Visible in line of range. Seasonal |
| 1429 H58.1 | | 197°38' 613.6m from front. | F G | 39.6 | ..... | Triangular skeleton tower, fluorescent orange daymark. 24.4 | Visible in line of range. Seasonal. |
| 1430 H58.4 | Koksoak River East range | 58 29 42 68 10 20.2 | Iso W 2s | 19.7 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. 7.6 | Visible in line of range. Seasonal |
| 1430.1 H58.41 | | 189°36' 651.4m from front. | Iso W 2s | 35.0 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. 19.8 | Visible in line of range. Seasonal. |
| 1431 H59 | Beacon Point (Inukshuktuyuk) range | 58 33 04.2 68 11 32.6 | F W | 17.4 | ..... | Square skeleton tower, fluorescent orange daymark. 7.9 | Visible in line of range. Seasonal |
| 1432 H59.1 | | 219°45' 1025.2m from front. | F W | 44.0 | ..... | Square skeleton tower, fluorescent orange daymark. 7.9 | Visible in line of range. Seasonal. |
| 1434 H57 | Button Islands Radiobeacon | NE. extremity of Goodwin Island. 60 41 45 64 37 36 | Fl W 6s | 54.9 | 8 | Square skeleton tower. 9.4 | Flash 1 s; eclipse 5 s Seasonal. |

Chart:5338
Edn. 12/98

Chart:5338
Edn. 12/98

Chart:5338
Edn. 12/98

Chart:5456
Edn. 12/98

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

| | | | | | | | |
|---------------|------------------------------|---|---------------|-------|-------|---|---|
| 877 | Port Hood Island | On Smith Point. 46 00 51.2 61 33 26.2 | Fl R 4s | 3.9 | 5 | Skeleton mast, enclosed lower portion, red and white rectangular daymark. 3.5 | Year round. Privately maintained. Chart:4448 Edn. 12/98 |
| 1017.69 | Confederation Bridge | Mid span on each side of navigation span. 46 12 35.7 63 45 10.1 | Iso 2W 6s | 50.5 | 13 | On bridge. | Privately maintained by Strait Crossing Bridge Ltd. Year round. Chart:4406 Edn. 12/98 |
| 1017.76 | Confederation Bridge S.E. | 46 12 35.6 63 45 10 | F R W G | 64.0 | ..... | On bridge. | Red from 308°39' to 310°39'; white from 310°39' to 311°39'; green from 311°39' to 313°39'. White sector indicates preferred channel. Privately maintained by Strait Crossing Bridge Ltd. Year round. Chart:4406 Edn. 12/98 |
| 1017.77 | Confederation Bridge N.W. | 46 12 35.8 63 45 10.3 | F G W R | 64.0 | ..... | On bridge. | Green from 129°08' to 131°08'; white from 131°08' to 132°08'; red from 132°08' to 134°08'. White sector indicates preferred channel. Privately maintained by Strait Crossing Bridge Ltd. Year round. Chart:4406 Edn. 12/98 |
| 1017.78 | Confederation Bridge | On either side of pier 22. 46 12 32.6 63 45 13.9 | F 2G | 16.5 | 11 | On bridge. | Privately maintained by Strait Crossing Bridge Ltd. Year round. Chart:4406 Edn. 12/98 |
| 1017.79 | Confederaton Bridge | On each side of pier 21. 46 12 38.7 63 45 06.3 | F 2R | 16.5 | 11 | On bridge. | Privately maintained by Strait Crossing Bridge Ltd. Year round. Chart:4406 Edn. 12/98 |
| 1599.5 | ODAS light buoy | 50 06 30 63 38 30 | Fl(5) Y 20 s | ..... | ..... | Yellow, marked "ODAS". | Delete Maintained by l'Institut Maurice-Lamontagne. Chart:4432 Edn. 12/98 |
| 1730 H2070 | Pointe-au-Père | | | | | | Delete from List. Chart:1236 2333/98 |

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

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|-----------------|-----------------------|--|----------|------|---|---|--|
| 1781 H2108 | Baie Sainte-Catherine | West side of the landing of Baie Sainte-Catherine ferry. 48 06 56.8 69 43 15.7 | Fl G 6s | 9.2 | 6 | Skeleton tower. 1.0 | Flash 1 s; eclipse 5 s Seasonal. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1783 H2115 | Pte de l'Islet | At point. 48 08 07.2 69 43 01.2 | Fl W 6s | 12.0 | 9 | Square skeleton tower. 9.1 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1784 H2118 | Anse à l'Eau | On outer end of wharf. 48 08 19.6 69 43 40.2 | F G | 9.9 | 6 | Square skeleton tower. 6.1 | Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1784.5 H2113 | Anse du Portage | On outer end of wharf. 48 07 36.6 69 43 51.4 | F Y | 9.5 | 8 | Square skeleton tower. 6.1 | Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1785 H2122 | Cap de la Boule | On S. side of point. 48 08 52.6 69 48 14.9 | Fl W 6s | 18.0 | 8 | Red and white square skeleton tower. 6.2 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1786 H2124 | Anse de Sable | 48 09 05.5 69 51 20.6 | Fl W 6s | 6.8 | 8 | Red and white skeleton tower. 6.1 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1787 H2130 | Anse à Pierrot | NW. of Anse Pierrot. 48 14 01.6 69 53 43.6 | Fl W 6s | 13.1 | 8 | Square skeleton tower. 9.1 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1788 H2126 | Pointe aux Crêpes | On point. 48 13 01.1 69 53 43.2 | Fl G 6s | 12.8 | 5 | Red and white square skeleton tower. 7.6 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. Chart:1203 Edn. 12/98 |
| 1789 H2128 | Anse-de-Roche | On wharf on N. shore. 48 13 05.6 69 52 32.4 | Iso R 2s | 8.8 | 7 | Red and white square skeleton tower. 6.1 | Year round. Maintained by Municipalité de Sacré-Coeur. Delete Emergency light. Chart:1203 Edn. 12/98 |

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

| | | | | | | | | |
|-------------------|-------------------|--|----------|------|---|--|--|----------------------------------|
| 1790 H2131 | Île St-Louis | On N. side of island. 48 15 03.2 70 01 10.3 | FI W 6s | 39.6 | 8 | Red and white square skeleton tower. 9.1 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1203 Edn. 12/98 |
| 1791 H2133 | Pointe Claveau | On point. 48 15 37.6 70 06 54.2 | FI W 6s | 15.2 | 8 | Red and white square skeleton tower. 9.1 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1203 Edn. 12/98 |
| 1792 H2134 | L'Anse-St-Jean | On outer end of wharf. 48 14 41.9 70 10 48.7 | F R | 6.6 | 7 | Red and white square skeleton tower. 4.6 | Year round. Delete Emergency light. | Chart:1203 Edn. 12/98 |
| 1793 H2136 | Anse de Tabatière | 48 16 19.4 70 12 09.9 | FI W 6s | 15.1 | 8 | Red and white square skeleton tower. 4.6 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1203 Edn. 12/98 |
| 1794 H2138 | Baie Trinité | On point opposite La Niche. 48 21 13.4 70 20 42.2 | FI W 6s | 18.0 | 8 | Red and white square skeleton structure. 9.8 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1202 Edn. 12/98 |
| 1795 H2140 | Cap Rouge | 48 22 28.1 70 32 08.4 | FI W 6s | 14.7 | 8 | Red and white square skeleton tower. 7.6 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1202 Edn. 12/98 |
| 1798 H2142 | Cap de l'Est | On S. extremity of cape. 48 22 33 70 42 22.1 | FI W 6s | 16.9 | 8 | White octagonal tower. 8.1 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1202 Edn. 12/98 |
| 1799.4 H2142.2 | Bagotville wharf | 48 20 41.1 70 52 43.6 | Iso R 2s | 9.2 | 5 | Black square mast. 7.7 | Year round. Delete Emergency light. | Chart:1202 Edn. 12/98 |
| 1799.5 H2142.8 | Pointe aux Pins | W. side of the point. 48 25 09 70 49 54 | FI Y 6s | 11.9 | 7 | Red and white square skeleton tower. 6.7 | Flash 1 s; eclipse 5 s Year round. Delete Emergency light. | Chart:1202 Edn. 12/98 |

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

ATLANTIC – cont'd

| | | | | | | | |
|------------------|--|--|---------|-------|-------|--|---|
| 1801 H2143 | Poste-Saint-Martin range | 48 26 36.6 70 59 02.3 | F W | 23.5 | ..... | Red skeleton tower, enclosed upper portion, fluorescent orange daymark, black vertical stripe. 13.7 | Visible in line of range. Emergency light. Year round. |
| 1802 H2143.1 | | 287°19' 3321.2m from front. | F W | 53.6 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. | Visible in line of range. Year round. Delete Emergency light. Chart:1209 Edn. 12/98 |
| 1811 H2143.6 | Simard range | On N. side of Rivière Saguenay. 48 26 59 71 01 18.4 | F G | 8.8 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. 7.6 | Year round. Delete Emergency light. |
| 1812 H2143.7 | | 256°16' 212.9m from front. | F G | 13.8 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. 12.2 | Visible in line of range. Year round. Delete Emergency light. Chart:1209 Edn. 12/98 |
| 1814 H2143.9 | Rivière-du-Moulin Lower range | N. of river. 48 26 07.4 71 01 32.7 | F G | 10.6 | ..... | Skeleton tower, fluorescent orange daymark, black vertical stripe. | Year round. Delete Emergency light. |
| 1815 H2143.91 | | 214°47' 197.2m from front. | F G | 17.6 | ..... | Skeleton tower, fluorescent orange daymark, black vertical stripe. | Year round. Delete Emergency light. Chart:1209 Edn. 12/98 |
| 1817 H2144 | Rivière-du-Moulin Upper range | E. of river mouth. 48 26 01.5 71 01 44.5 | F G | 9.6 | ..... | Skeleton tower, fluorescent orange daymark, black vertical stripe. | Visible in line of range. Year round. Delete Emergency light. |
| 1818 H2144.1 | | 081°37' 131.4m from front. | F G | 17.6 | ..... | Skeleton tower, fluorescent orange daymark, black vertical stripe. | Year round. Delete Emergency light. Chart:1209 Edn. 12/98 |
| 1890.6 | Montmagny information light buoy | 47 01 34.2 70 33 43.1 | Fl Y 4s | ..... | ..... | White and orange, marked "Marina Montmagny". | Seasonal. Chart:1317 2337/98 |
| 1997 H2346 | Portneuf range | On N. shore E. of Rivière Portneuf. 46 41 22.6 71 52 14.5 | F G | 20.0 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. 18.3 | Visible in line of range. Emergency light. Year round. |
| 1998 H2346.1 | | 028°29' 600.4m from front. | F G | 40.7 | ..... | Square skeleton tower, fluorescent orange daymark, black vertical stripe. 15.3 | Visible in line of range. Emergency light. Year round. Chart:1314 2307/98 |

**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 (UTQ) _____ 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.