



NOTICES TO MARINERS

EASTERN EDITION

Published monthly by the



CANADIAN COAST GUARD

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Marine Programs Directorate
Aids to Navigation



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

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*.

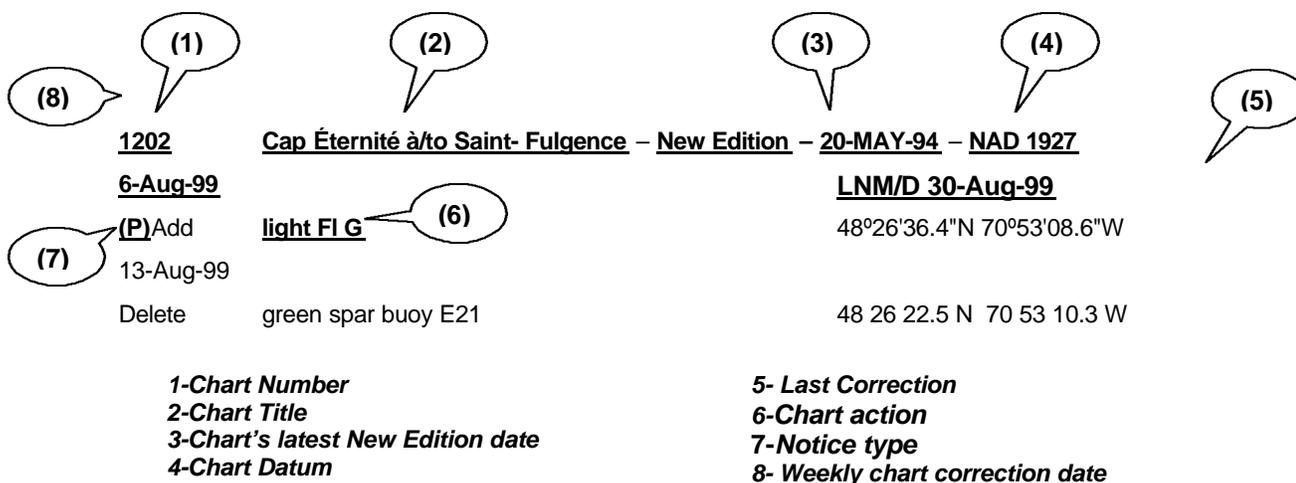
NOTE: Cette publication est aussi disponible en français.

NEWSLETTER NOTICE TO USERS

In our quest to improve our service to our clients, we are implementing the following changes to the Monthly Edition of Notices to Mariners at the start of the new millennium.

CHART CORRECTIONS – SECTION II

Corrections to nautical charts will be listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to CHS Chart 1 Symbols, Abbreviations Terms for additional information pertaining to the correction of charts. The illustration below describes the elements that will comprise a typical Section II chart correction.



The last correction number is identified with the **LNM/D** or **Last Notice to Mariners Number /Date**. This number is expressed in either old notice number format (ex.: 594/99) or in day-month-year format which is the date known as the weekly chart correction date shown in the above diagram as item (8).

UPCOMING NEW FEATURES

Activity Reports

A Regional Activity Report will be compiled detailing marine aid activities that have not yet been incorporated on charts or related nautical publications. These activity reports will be updated on a monthly basis and are to be used as a reference tool only and should not differ you from using caution when navigating in these areas. Charts and nautical publications will be updated to reflect the changes mentioned in the activity reports as expeditiously as possible.

Paper Mailing List

A renewal subscription address card will be mailed out through the Monthly Edition.

Notices to Mariner Internet Site - notmar.com

Publications

As an Internet user you now have access to all the Notices to Mariners publications free of cost. All volumes of the List of Lights, Buoys & Fog Signals as well as the Annual Edition of Notices to Mariners are kept-up-to date on a Monthly basis.

Chart User Profile

Users can set up a 'user profile' account on the site to receive Notices to Mariners chart correction changes via e-mail.

Weekly Posting of Chart Corrections

Chart corrections will soon be posted to the Internet Site on a weekly basis.

We will keep you posted in future Newsletters on the implementation of these new features.

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

Laurentian

Laurentian Regional Operations Centre GC\SO\COR
Operational Information Officer
Phone: (418) 648-5410
Fax: (418) 648-7244
E-Mail: OPSAVIS@dfo-mpo.gc.ca

Pacific

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

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

Central & Arctic

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

DGPS FULLY OPERATIONAL SERVICE

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

FOS 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.

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 DGPS Reference Stations in Canada						
Station Name	Id. Nos of reference stations	DGPS Station ID	Geog. Position		Frequency [khz]	Bit/s
			Latitude	Longitude		
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	288	200
Cape Norman, NFLD	342,343	944	51 30 N	55 49 W	310	200
Rigolet, NFLD	344,345	946	54 15 N	58 30 W	299	200
Partridge Island, NB	326,327	939	45 14 N	66 03 W	295	200
Pt. Escuminiac, NB	332,333	936	47 04 N	64 48 W	319	200
Fox Island, NS	336,337	934	45 20 N	61 05 W	307	200
Western Head, NS	334,335	935	43 59 N	64 40 W	312	200
Hartlen Point, NS	330, 331	937	44 35 N	63 27 W	298	200
St.-Jean-sur-Richelieu, QC	312,313	929	45 19 N	73 19 W	296	200
Lauzon, QC	316,317	927	46 49 N	71 10 W	309	200
Rivière-du-Loup, QC	318,319	926	47 46 N	69 36 W	300	200
Moisie, QC	320,321	925	50 12 N	66 07 W	313	200
Trois-Rivières, QC	314, 315	928	46 23 N	72 27 W	321	200
Warton, ON	310,311	918	44 45 N	81 07 W	286	200
Cardinal, ON	308,309	919	44 47 N	75 25 W	306	200
Alert Bay, BC	300,301	909	50 35 N	126 55 W	309	200
Amphritrite 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

DGPS RECEIVER - WARNING

The Canadian Coast Guard's Differential Global Positioning System (DGPS) broadcast contains built in health information designed to alert a DGPS user receiver of an out of tolerance or fault condition. During testing, it was found that some user DGPS receivers did not process the health information properly. Improper processing by a user equipment can result in incorrect positions.

Please contact your DGPS manufacturer or supplier to ensure that your receiver is capable of processing the DGPS Reference Station Health information correctly.

DGPS USER ALERT

The Canadian Coast Guard received reports in March 97 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.

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

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

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

User informations / Renseignements sur l'utilisateur

Vessel name / Nom du navire: _____ Destination: _____

Vessel position at the beginning of the anomaly /
Position du navire au début de l'anomalie : _____

Vessel position at the end of the anomaly /
Position du navire à la fin de l'anomalie : _____

Anomaly report / Rapport d'anomalie

Date and time of the anomaly / Date et heure de l'anomalie: _____ Duration / Durée: _____

Number of satellites tracked on GPS receiver / Nombre de satellites reçu par le récepteur: _____

DGPS site using / Station DGPS utilisée: Freq.: _____ kHz SS: _____ dB SNR: _____ dB

DOP Geometry / Géométrie DOP : _____

User receiver operates correctly with other DGPS sites? /

Votre équipement DGPS fonctionne-t-il normalement à l'utilisation d'autres stations DGPS?: Yes/ Oui ___ No / Non ___

Comments / Commentaires: _____

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

Phone / Téléphone : _____

Weather conditions / Conditions météo

Winds / Vents : Direction: _____ Speed / Vitesse: _____ KTS

Temp. °C: _____ VIS: _____ N.M.

Sea State / État de la mer : _____

Bearing and range to electrical storm /

Direction et distance de l'orage : _____

Time of the storm / Heure de l'orage: _____ UTC

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

User equipment information / Renseignements sur l'équipement

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

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

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

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

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

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 Aids to Navigation

2) Mail / Par la poste: Director, Navigation Systems Branch
Department of Fisheries and Oceans
200 Kent Street, Station 5130
Ottawa, ON
K1A 0E6

Directeur, Direction des systèmes à la navigation maritimes
Ministère des Pêches et Océans
200, rue Kent, 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 lightstations to solar power allows major economic and environmental benefits by allowing removal of fuel tanks and diesel generators. Although this eliminates the need for many structures, the Coast Guard will protect all heritage lightstations through continued operation or transfer to provincial, municipal or other authorities for local use.

2. Aids to Navigation Standards

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

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

3. Private Aids to Navigation

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

NEW INITIATIVES

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

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

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

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

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

NEWFOUNDLAND REGION

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

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

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

Aids to Navigation Superintendent
Canadian Coast Guard
Department of Fisheries & Oceans
P.O. Box 5667
St. John's, NF
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 BEGAN WITHIN COAST GUARD MARITIMES REGION ON APRIL 1, 1997.

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

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

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

Aids to Navigation Superintendent
Canadian Coast Guard
Department of Fisheries & Oceans
P.O. Box 1000
Dartmouth, NS
B2Y 3Z8
Telephone: (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
 Canadian Coast Guard
 Department of Fisheries & Oceans
 101 Champlain Boulevard
 Quebec, QC
 G1K 7Y7

CENTRAL & ARCTIC REGION

Marine Aids to Navigation Program 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
Canadian Coast Guard
Department of Fisheries & Oceans
201 Front Street North, Suite 703
Sarnia, ON
N7T 8B1

Telephone (519) 383-1859 or (519) 383-1861
Facsimile (519) 383-1989

GREAT LAKES - Water levels.

The Canadian Coast Guard is reviewing the various Aids to Navigation systems to develop contingency plans should water levels in Lake Superior, Lake Huron and Georgian Bay significantly drop below chart datum.

Changes to the Aids to Navigation in both small craft and commercial channels may be necessary. The changes may incorporate one or more of the following.

- Temporary repositioning of buoys
- Temporary addition of buoys
- Temporary removal of ranges
- Temporary narrowing of channels
- Temporary re-routing of channels and removal of buoys

Necessary changes to the Aids to Navigation will take place at or as near to the opening of the 2000 navigation season as possible.

Areas of concern currently identified in the small craft channels between Port Severn, Little Current and the North Channel are:

- | | |
|--------------------------|-----------------------------|
| 1) Potato Island Channel | 2) Quarry Island |
| 3) Big Dog Channel | 4) Big David Bay Range Line |
| 5) Starvation Bay | 6) Seven Mile Narrows |
| 7) Shebeshekong Channel | 8) Shoal Narrows |
| 9) Hangdog | 10) Norgate |
| 11) Cunninghams Channel | 12) Rogers Cut |
| 13) Parting channel | 14) Beaverstone Bay |
| 15) Lansdowne Channel | |

Specific sites and details of the changes will be broadcast as they are reviewed and identified. Depending on the priority some changes may be made with limited advance notice.

All changes will be broadcast through Notices to Shipping.

Temporary placement of signage in areas of concern may be considered.

Mariners are invited to voice any concerns through their nearest Coast Guard Radio Station or directly to:

Randy Childerhose or Mike Phillips - Parry Sound - (705) 746-2196
Steve Lear or Chuck Lemaire - Prescott - (613) 925-2865
Al Dion - Regional Superintendent - Sarnia - (519) 383-1859

NOTICE TO MARINERS USER SURVEY

FELLOW MARINERS

TELL US HOW WE CAN HELP YOU

INTERNET GIVES US THE OPPORTUNITY TO TAILOR THE NOTMAR SITE TO SUIT THE NEEDS OF OUR USERS. THIS USER SURVEY IS YOUR WINDOW TO THE FUTURE. IT IS IMPORTANT FOR US TO GET YOUR FEEDBACK TO ENABLE US TO EXPAND OUR SERVICES TO ACCOMMODATE YOUR REQUIREMENTS BY TAKING FULL ADVANTAGE OF NEW TECHNOLOGY.

NOW COME ON BOARD AND SAIL THROUGH OUR USER SURVEY

INSTRUCTIONS

This questionnaire is divided into three parts:

Statistical Information
On Line (Internet) Access
Future - Hard Copy (paper version) Access

You will find discreet closed questions, multiple-choice options and open-ended text based questions.

1. STATISTICAL INFORMATION

We would like to begin by collecting some basic information about yourself and your use of the Notices to Mariners information. The information in this section will enable us to confirm that respondents to the survey constitute a representative sample of the marine community. All information will be treated as strictly confidential and will not be released to any other persons.

Please provide us with the following information about yourself or your organization.

Name:	<input type="text"/>
Address:	<input type="text"/>
City, Province/State:	<input type="text"/>
Country:	<input type="text"/>
E-Mail:	<input type="text"/>

1.1 Which of the following best describes you as a person within the marine community?

<input type="checkbox"/>	Commercial user
<input type="checkbox"/>	Pleasure craft operator
<input type="checkbox"/>	General public
<input type="checkbox"/>	State/Military
<input type="checkbox"/>	Other <input type="text"/>

2. ON LINE (INTERNET) ACCESS

2.1 Have you ever visited the notmar.com web site?

- Yes
 No (If No, please jump to question # 2.11)

2.2 If so, how often do you visit our site?

- Daily
 Weekly
 Monthly
 Seasonally
 Other

2.3 How did you hear about the site?

- Stumbled upon while surfing the Internet
 Word of mouth
 Advertising on the Notices to Mariners (paper version)
 Other

2.4 Which publication format offered on the site do you prefer to use?

- Hypertext Markup Language (HTML)
 Adobe Acrobat files (.pdf)
 MSWord files (.doc)

2.5 Which services on the site do you use?

- Monthly Notices to Mariners
 List of Lights, Buoys and Fog Signals
 Annual Notices to Mariners
 Other

2.6 What do you like most about our site?

- Easy to find what you're looking for
 The site contains useful information
 Downloading information is fast and reliable
 Site is always available
 Hot Links
 Other

2.7 What do you like least about our site?

- Difficult to find what you're looking for
 Information on the site is not useful
 Downloading information is difficult and unreliable
 Not enough links to other resources
 Graphics, Adobe Acrobat format, etc., are not accessible on my equipment
 Other

2.8 Do you use of the "Notmar Search" database feature which is located on the button bar of the site ?

- Yes
 No

2.9 Do you use the "User Profile" feature that allows you to automatically receive future notices (via e-mail) which affect your charts?

- Yes
- No

2.10 Would you recommend our site to others?

- Yes
- No (If no, please explain)

2.11 What do you think of the following new features which will be introduced to the site in the near future?

- Notices to Mariners notices being posted on a weekly basis versus monthly

Comments

- Chart patches affecting notices being posted onto the site

Comments

2.12 Do you have Internet access?

- No
- Yes (If Yes, please specify)

Please give any suggestions on how to improve any aspect of the site.

3. FUTURE - HARD COPY (PAPER VERSION) ACCESS

3.1 Which medium do you use to obtain the "Monthly Notices to Mariners" publications?

- Electronic version (Internet)
- Paper version
- both

3.2 If you are using both methods (See # 3.1) which one do you prefer and why?

3.3 How do you have access to the internet?

- Direct Access (Home, office)
- Other (Relatives, friends, library, marinas)
- No internet access

3.4 Is it necessary for you to receive the “Monthly Notices to Mariners” via Canada Post? (The Internet version is considered an official document.)

<input type="checkbox"/>	No
<input type="checkbox"/>	Yes (If yes, why?)

3.5 If you still require the paper version of the “Monthly Notices to Mariners”, how much of an annual subscription fee would you be willing to pay to continue receiving it via Canada Post? (Please note that printing and postal costs average about \$300,000.00 annually. The Internet version can be produced at an annual cost to taxpayers of about \$1,200.)

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3.6 Knowing that the Internet version is considered an official document, how soon would you consider using this medium exclusively (no further paper distribution)?

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MONTHLY EDITION OF NOTICES TO MARINERS

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1410	12	4211	15	6281	1
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1509	12	L/C 4235	1	6302	2
1513	12	L/C 4240	15	6321	2
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CANADIAN HYDROGRAPHIC SERVICE - Charts.

CHARTS	TITLE & CONTENTS	SCALE	PUBLISHED	CAT #	PRICE
1. New Editions.					
<u>GEORGIAN BAY / BAIE GEORGIENNE</u>					
2203	PARRY SOUND TO / À BYNG INLET	1:50:000	30-JUN-00	3	\$20.00
<u>GULF OF ST. LAWRENCE / GOLFE DU SAINT-LAURENT</u>					
4024	BAIE DES CHALEURS AUX / TO ÎLES DE LA MADELEINE	1:350:000	03-MAR-00	1	20.00
<u>BAY OF FUNDY / BAIE DE FUNDY</u>					
4124	HARBOURS IN THE BAY OF FUNDY / PORTS DANS LA BAIE DE FUNDY – SOUTHWEST COAST / CÔTE SUD-OUEST	1:25:000	07-APR-00	3	20.00
This chart is affected by Notice 457 (P) 95.					
<u>NOVA SCOTIA / NOUVELLE-ÉCOSSE</u>					
L/C 4235	BARREN ISLAND TO / À TAYLORS HEAD	1:60:000	28-APR-00	2	20.00
This chart incorporates Notice 805(P)/92 and is affected by Notices 461(T)/94 and 717(T)/94.					
4245	NOVA SCOTIA / NOUVELLE-ÉCOSSE - SOUTHWEST COAST / CÔTE SUD-OUEST - YARMOUTH HARBOUR - AND APPROACHES	1:10:000	19-NOV-99	1	20.00
This chart is affected by Notices 373(T)/94, 534(T)/95 and 584(T)/95.					
<u>GULF OF ST. LAWRENCE / GOLFE DU SAINT-LAURENT</u>					
L/C 4404	CAPE GEORGE TO PICTOU	1:75:957	12-MAY-00	1	20.00
<u>SASKATCHEWAN</u>					
6281	LAC LA RONGE	1:75:000	02-JUN-00	3	20.00
<u>GREAT LAKES / GRAND LACS</u>					
CAT-3	Great Lakes / Grands Lacs		07-JAN-00	3	N/A

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CHARTS	TITLE & CONTENTS	SCALE	PUBLISHED	CAT #	PRICE
2. Reprints.					
<u>GEORGIAN BAY / BAIE GEORGIENNE</u>					
2205	GEORGIAN BAY - KILLARNEY TO / À LITTLE CURRENT	1:40:000	30-JUN-00	3	\$12.00
	This Reprint is affected by Notices 115(P)/94, 2000-05-12(P) and 2000-06-16(P).				
3476	APPROACHES TO /A APPROCHES À TSEHUM HARBOUR	1:10:000	12-MAY-00	2	20.00
3. Charts Permanently Withdrawn.					

<u>CHARTS</u>	<u>TITLE</u>
6301	PORT MCMURRAY TO FORT SMITH
6302	FORT SMITH TO GREAT SLAVE LAKE
6321	PEACE RIVER - LAKE ATHABASCA AND SLAVE RIVER TO JACKFISH RIVER
6322	PEACE RIVER - JACKFISH RIVER TO VERMILLION FALLS
6349	PEEL RIVER-ROAD ISLAND TO SNAKE RIVER
6440	ARCTIC RED RIVER - ARCTIC RED RIVER TO MARTIN HOUSE
CAT-5	CATALOGUE OF BATHYMETRIC MAPS AND RELATED PUBLICATIONS / CATALOGUE DES CARTES BATHYMETRIQUES ET PUBLICATIONS CONNEXES - COVER

CANADIAN HYDROGRAPHIC SERVICE - Cumulative list of charts affected by Notices to Mariners.

The accompanying correction list is a cumulative list of charts affected by Notices to Mariners from 29-May-2000 to 28-July-2000

Chart Numbers	Notices to Mariners Dates			
1203	28-JUL-2000.	21-JUL-2000.		
1220	28-JUL-2000.	21-JUL-2000.	02-JUN-2000.	
1221	28-JUL-2000.			
1226	28-JUL-2000.			
1230	21-JUL-2000.			

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1233	28-JUL-2000.			
L/C1234	28-JUL-2000.			
L/C1235	28-JUL-2000.	30-JUN-2000 (New Edition 31-MAR-2000)		
L/C1236	28-JUL-2000.			
1260	28-JUL-2000.			
1310	28-JUL-2000.	21-JUL-2000.	30-JUN-2000 (New Edition 24-MAR-2000)	
1311	28-JUL-2000.	21-JUL-2000.		
1316	28-JUL-2000.			
1317	28-JUL-2000.			
1400	28-JUL-2000.			
1410	28-JUL-2000.			
1411	14-JUL-2000.			
1432	09-JUN-2000.			
1433	09-JUN-2000.			
1509	28-JUL-2000.			
1513	07-JUL-2000.			
2006	30-JUN-2000 (New Edition 31-MAR-2000).			
2021	28-JUL-2000.			
2058	28-JUL-2000.			
2064	14-JUL-2000.			
2085	30-JUN-2000 (New Edition 18-FEB-2000)			
L/C2120	09-JUN-2000.			
L/C2200	09-JUN-2000.			
L/C2201	14-JUL-2000.	09-JUN-2000.		
2202	28-JUL-2000.	09-JUN-2000.		
2203	28-JUL-2000 (New Edition 30-JUN-2000)			
2204	02-JUN-2000.			
2205	28-JUL-2000.	28-JUL-2000 (Reprint 30-JUN-2000)		(P)16-JUN-2000.
2225	(T)23-JUN-2000.	(T)16-JUN-2000.	09-JUN-2000.	
L/C2228	30-JUN-2000.	09-JUN-2000.		
2235	09-JUN-2000.			
L/C2243	(P)23-JUN-2000.	(T)23-JUN-2000.	(T)16-JUN-2000.	
L/C2244	(P)23-JUN-2000.	(P)02-JUN-2000.		
L/C2245	16-JUN-2000.			
2250	23-JUN-2000.			
2251	23-JUN-2000.			
2257	07-JUL-2000.			
2261	09-JUN-2000.			
2274	30-JUN-2000 (New Edition 07-APR-2000).			
L/C2282	14-JUL-2000.			
2283	14-JUL-2000.	30-JUN-2000.		
L/C2284	(T)23-JUN-2000.	(T)16-JUN-2000.		
2289	14-JUL-2000.	09-JUN-2000.		
2291	30-JUN-2000 (New Edition 31-MAY-2000)			
2292	09-JUN-2000.			
2299	07-JUL-2000.			
L/C2301	14-JUL-2000.			
2311	14-JUL-2000.			
2312	16-JUN-2000.			
L/C4020	14-JUL-2000.	16-JUN-2000.		
4024	28-JUL-2000.	28-JUL-2000 (New Edition 03-MAR-2000)		
L/C4026	28-JUL-2000.	21-JUL-2000.		

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4115	30-JUN-2000.		
4124	28-JUL-2000 (New Edition 07-APR-2000)		
4201	14-JUL-2000.		
4209	14-JUL-2000.		
4210	07-JUL-2000.	16-JUN-2000.	
4211	07-JUL-2000.		
L/C4230	07-JUL-2000.		
4235	28-JUL-2000 (New Edition 28-APR-2000)		
L/C4240	07-JUL-2000.		
L/C4242	07-JUL-2000.	16-JUN-2000.	
4245	28-JUL-2000 (New Edition 19-NOV-1999)		
L/C4340	(P)16-JUN-2000.		
4379	07-JUL-2000.		
4404	28-JUL-2000 (New Edition 12-MAY-2000)		
L/C4406	28-JUL-2000.		
4430	28-JUL-2000.		
4432	28-JUL-2000.		
L/C4451	21-JUL-2000.		
L/C4485	21-JUL-2000.		
4486	14-JUL-2000.		
4595	30-JUN-2000 (New Edition 31-MAR-2000)		
4598	30-JUN-2000 (Permanently Withdrawn)		
4641	21-JUL-2000.		
4669	14-JUL-2000.		
L/C4730	14-JUL-2000.		
L/C4731	16-JUN-2000.		
L/C4775	14-JUL-2000.		
4839	14-JUL-2000.		
L/C4905	28-JUL-2000.		
4921	21-JUL-2000.	02-JUN-2000.	
L/C4951	21-JUL-2000.		
L/C4952	21-JUL-2000.		
4956	28-JUL-2000.	21-JUL-2000.	
4957	21-JUL-2000.		
L/C5030	16-JUN-2000.		
5048	02-JUN-2000.		
5052	23-JUN-2000.		
6023	28-JUL-2000.		
6035	02-JUN-2000.		
6100	02-JUN-2000.		
6107	28-JUL-2000.		
6201	23-JUN-2000.	02-JUN-2000.	
6207	30-JUN-2000 (New Edition 24-MAR-2000)		
6211	02-JUN-2000.		
6215	02-JUN-2000.		
6216	02-JUN-2000.		
6217	23-JUN-2000.		
6241	23-JUN-2000.		
6249	23-JUN-2000.		
6251	(P)23-JUN-2000.		
6258	23-JUN-2000.		
6259	30-JUN-2000.		

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6268	23-JUN-2000.		
6281	28-JUL-2000 (New Edition 02-JUN-2000)		
6301	28-JUL-2000 (Permanently Withdrawn)		
6302	28-JUL-2000 (Permanently Withdrawn)		
6310	28-Jul-00		
6321	28-JUL-2000 (Permanently Withdrawn)		
6322	28-JUL-2000 (Permanently Withdrawn)		
6408	30-JUN-2000 (New Edition 12-MAY-2000)		
6409	30-JUN-2000 (New Edition 12-MAY-2000)		
6410	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6411	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6412	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6413	28-JUL-2000.		
6414	28-JUL-2000.		
6415	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6416	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6417	28-JUL-2000.		
6418	28-JUL-2000.		
6419	28-JUL-2000.		
6420	28-JUL-2000.		
6421	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6422	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6423	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6424	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6425	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6426	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6427	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6428	30-JUN-2000 (New Edition 12-MAY-2000)		
6429	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6430	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6431	28-JUL-2000.		
6432	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6433	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6434	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6435	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6436	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6437	30-JUN-2000 (New Edition 12-MAY-2000)		
6438	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6439	28-JUL-2000 (Permanently Withdrawn)		
6440	28-JUL-2000 (Permanently Withdrawn)		
6441	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6451	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6452	28-JUL-2000.	30-JUN-2000 (New Edition 12-MAY-2000)	
6453	28-JUL-2000.		
7573	30-JUN-2000. (New Chart 25-FEB-2000)		
7740	30-JUN-2000. (Permanently Withdrawn)		
7830	30-JUN-2000. (Permanently Withdrawn)		
L/C8015	(P)23-JUN-2000.		
L/C8049	16-JUN-2000.		
C-4	21-JUL-2000.		

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(T) LAKE HURON - GEORGIAN BAY - Changes to Aids to Navigation due to Low Water in 2000.

Chart	Name/Location	Change	Reason	Channel Conditions - At Datum	Latitude			dec	Longitude			dec	NS
2202	Potato Island Channel	Information Buoy	Add white information buoy to warn of Low Water conditions	Depths of 5' - 5.5'	44	47	10.2	.17	079	44	1.2	.02	C790
2202	Potato Island Channel	Information Buoy	Add white information buoy to warn of Low Water conditions	Depths of 5' - 5.5'	44	47	35.4	.59	079	47	55.8	.93	C790
2202	Roberts Island	MK2/2	Add to mark 1.8m shoal		44	50	39.6	.66	079	50	24.6	.41	C626
2202	Minnicognashene	MH2/2	Add red spar buoy to mark shoaling	Depths of 6' but channel narrowed	44	53	18.6	.31	079	54	04.8	.08	C690
2202	Minnicognashene	MH5/1	Add green spar buoy to mark shoaling	Depths of 6' but channel narrowed	44	53	42.6	.71	079	54	11.4	.19	C691
2202	Minnicognashene	MH4/2	Add red spar buoy to mark shoaling		44	53	24	.4	079	54	05	.08	C1553
2202	Minnicognashene	MH3/1	Add green spar buoy to mark shoaling		44	53	25	.41	079	54	06	.1	C1527
2202	Quarry Island	C52/2	Add to mark 1m shoal	Depths of 4' reported	44	49	09	.15	079	47	43	.72	C1668
2202	Quarry Island	Information Buoy	Add white information buoy to warn of Low Water conditions	Depths of 4' reported	44	48	55.8	.93	079	47	52.2	.87	C789
2202	Quarry Island	Information Buoy	Add white information buoy to warn of Low Water conditions	Depths of 4' reported	44	50	54	.9	079	49	03.6	.06	C789
2202	Twelve Mile Bay	C152	Add red spar to mark shoaling created by low water		45	05	38.4	.64	080	05	52.2	.87	C700
2202	Bears Head	CP2	Add red spar to mark shoaling created by low water		45	13	25.8	.43	080	10	57	.95	C707
2202	Bears Head	CP2/2	Buoy CP2 renumbered CP2/2		45	13	28	.46	080	11	12	.2	C706
2202	Long Sault - Ellsmere Is	CP18	Add red spar buoy to mark shoaling created by low water		45	14	21.6	.36	080	12	06.6	.11	C708
2202	Long Sault - Glencairn Is	CP32	Add red spar buoy to mark shoaling created by low water		45	15	07.8	.13	080	12	37.2	.62	C709
2202	Honey Harbour/Big Dog Channel	Information buoy	Add white information buoy to warn of Low Water conditions	Depths of 4' reported	44	52	15.6	.26	079	49	48	.8	C922
2202	Honey Harbour/Big Dog Channel	Information buoy	Add white information buoy to warn of Low Water conditions	Depths of 4' reported	44	52	22.8	.38	079	50	37.2	.62	C922
2202	Big Dog Channel	MN10/2	Add red spar buoy to mark shoaling	Depths of 4' reported – Channel narrowed	44	52	18	.3	079	50	28	.46	C982
2203	Huckleberry Island	PK1	Spar buoy	Marks rock ledge on edge of channel	45	23	41	.68	080	07	59.5	.992	C837
2203	Pointe au Baril	AE4/2	Add red spar buoy to mark shoaling created by low water		45	34	06	.1	080	28	06	.1	C733
2203	Nares - Hangdog	AQ1	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	05.14	.086	080	31	21.743	.362	C973
2203	Nares - Hangdog	AQ	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	09.64	.161	080	31	23.561	.393	C973
2203	Nares - Hangdog	AQ3	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	19.26	.321	080	31	32.109	.535	C973
2203	Nares – Hangdog	AQ4	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	23.64	.374	080	31	34.529	.575	C973

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Chart	Name/Location	Change	Reason	Channel Conditions - At Datum	Latitude			dec	Longitude			dec	NS
2203	Nares – Hangdog	AQ5	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	37.56	.626	080	31	43.75	.729	C973
2203	Nares – Hangdog	AQ6	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	34.94	.582	080	31	41.872	.698	C973
2203	Nares – Hangdog	AQ8	New Channel – Provides alternate route around Shoal Narrows	New Channel – Minimum depths of 7'	45	34	53.35	.889	080	31	50.763	.846	C973
2203	Hangdog	A75/1	Add green spar buoy to mark shoaling created by low water		45	35	21.5	.358	080	32	00	0	C744
2203	Hangdog	A76	Add red spar buoy to mark shoaling created by low water		45	35	22	.366	080	31	59	.983	C744
2203	Hangdog	A75/3	Add green spar buoy to mark shoaling created by low water		45	35	24	.4	080	32	00	0	C744
2203	Shoal Narrows	New Buoys	Channel depth maintained but channel narrowed considerably										
2203	Norgate - Gereaux Is	AN1	Provides alternate route outside of Norgate Rock	New Channel – Minimum depths of 7'	45	41	25.6	.42	080	39	4.8	0.8	C972
2203	Norgate - Gereaux Is	AN2	Provides alternate route outside of Norgate Rock	New Channel – Minimum depths of 7'	45	41	38.20	0.64	080	39	28	0.47	
2203	Norgate - Gereaux Is	AN3	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	41	36.4	0.61	080	39	29.1	0.49	
2203	Norgate - Gereaux Is	AN4	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	41	45.6	0.76	080	39	44.1	0.74	
2203	Norgate - Gereaux Is	AN5	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	41	43.8	0.73	080	39	46.1	0.77	
2203	Norgate - Gereaux Is	AN6	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	41	56.2	0.94	080	40	07.9	0.13	
2203	Norgate - Gereaux Is	AN7	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	41	54.5	0.91	080	40	09.9	0.17	
2203	Norgate - Gereaux Is	AN8	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	42	08	0.13	080	40	34.5	0.58	
2203	Norgate - Gereaux Is	AN9	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	42	06.7	0.11	080	40	36.4	0.61	
2203	Norgate - Gereaux Is	AN10	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	42	27	0.45	080	40	35.1	0.59	
2203	Norgate - Gereaux Is	AN11	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	42	29.6	0.49	080	40	35.5	0.59	
2203	Norgate - Gereaux Is	AN14	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	42	41.5	0.69	080	40	34	0.57	
2203	Norgate - Gereaux Is	AN15	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	42	48.6	0.81	080	40	34.1	0.57	
2203	Norgate - Gereaux Is	AN17	Provides alternate route outside of Norgate Rock	New Channel - Minimum depths of 7'	45	43	04.2	0.07	080	40	32.7	0.55	
2203	Milo Reef	A45	Add green 2' spar buoy to provide alternate route around Franklin Island	New Channel - Minimum depths of 18'	45	26	3.24	.054	080	24	8.28	.138	C510

**SECTION 1 – Edition 07/2000
SAFETY AND GENERAL INFORMATION**

Chart	Name/Location	Change	Reason	Channel Conditions - At Datum	Latitude			dec	Longitude			dec	NS
2204	Beaverstone Bay	Information buoy	Add white information buoy to warn of low water conditions		45	59	37	.62	081	09	32.5	.54	C1136
2204	Beaverstone Bay	Information buoy	Add white information buoy to warn of low water conditions		46	00	37	.62	081	09	32.5	.54	C1136
2225	Young Rock	PP4	Add red 2' spar buoy to provide alternate route around Franklin Island	New Channel - Minimum depths of 18'	45	22	35.4	.590	080	23	4.5	.075	C510
2225	Cook Reef	PP5	Add green 2' spar buoy to provide alternate route around Franklin Island	New Channel - Minimum depths of 18'	45	22	28.74	.479	080	23	22.8	.380	C510
2284	Corisande Rock	PP8	Add red 2' spar buoy to provide alternate route around Franklin Island	New Channel - Minimum depths of 18'	45	24	19.8	.330	080	24	3.12	.052	C510
2241	Spain Rock	GB6	Changed to west cardinal, lighted and renumbered MC	Extends outside channel to Lone Rock	44	59	38	.63	080	05	02	.03	C526
2284	Lone Rock - SW Fryingpan Is	CS2	Changed to west cardinal, lighted and renumbered MCS	Lone Rock buoy now lighted	45	09	15.42	.257	080	13	45.84	.764	C582
2245	Scarecrow Island - Killarney area	DE2	Lighted buoy provides outside route bypassing Beaverstone Bay		45	53	48	.8	081	23	02	.033	C869
2205	Cash Flow Rock - Killarney	Add Shorelight	Add FIR Shorelight and change lighted buoy EA2 to unlit		45	58	02.5	.041	081	33	56	.933	C799
2203	Gereaux Island	A146/2	Spar Buoy	Channel depth maintained but narrowed	45	44	42	.7	080	39	22.5	.375	C874
2283	Thornbury	TT5	Marks boulder that rolled into channel	Channel depth maintained but narrowed	44	33	59.8	.99	080	27	0.5	.008	C801

CANADA - LORAN-C lattices on Nautical Charts.

Reference: Notice 1519/99.

The Canadian Hydrographic Service will no longer be portraying LORAN-C lattices on future printings of Canadian nautical charts. Lattices on existing charts will remain valid.

NEW BRUNSWICK - LETETE PASSAGE - POMEROY LEDGE - Radar reflector.

Pomeroy Ledge radar reflector (45°02'20" N 66°54'43".1 W) has been permanently discontinued.

NEWFOUNDLAND - CAPE RAY - Change of transmitting frequency of the DGPS station.

Effective July 4 th 2000, the transmitting frequency of the DGPS station at Cape Ray Newfoundland will be changed to 288 KHz. Mariners are advised to refer to of their DGPS receiver owner's manual to properly select Cape Ray DGPS station once the frequency change is made.

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

1203 - Continuation A - New Edition - 04-JAN-1985 - Nad 1927

21-JUL-2000.	LNM/D. (521-1998)
Delete light F R	48°14`41.8"N 070°10`48.6"W

1203 - Tadoussac à/to Cap Éternité - New Edition - 04-JAN-1985 - Nad 1927

28-JUL-2000.	LNM/D. 21-JUL-2000
Amend Saguenay to read "SAGUE" against the pillar buoy.	48°07`08.6"N 069°36`07.1"W

1220 - Baie des Sept-Iles - New Edition - 28-FEB-1997 - NAD 1983

28-JUL-2000.	LNM/D. 02-JUN-2000
Amend Basque Est to read "BASQ-E" against light buoy	50°10`55.3"N 066°21`43.7"W
Amend Basque Ouest to read "BASQ-O" against light buoy	50°10`47.9"N 066°22`36.3"W

1220 - Sept-Iles - New Edition - 28-FEB-1997 - NAD 1983

21-JUL-2000.	LNM/D. 02-JUN-2000
CANCELS 3 metres 3 decimetres by 2 metres 9 decimetres	50°12`18.2"N 066°23`27.3"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 2 metres 8 decimetres by 2 metres 5 decimetres	50°12`23.0"N 066°23`35.3"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 3 metres 7 decimetres by 3 metres 4 decimetres	50°12`22.5"N 066°23`38.7"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 4 metres 4 decimetres by 4 metres 1 decimetres	50°12`19.5"N 066°23`37.5"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 5 metres 3 decimetres by 4 metres 7 decimetres	50°12`21.1"N 066°23`34.9"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 5 metres 3 decimetres by 4 metres 8 decimetres	50°12`19.6"N 066°23`33.0"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 4 metres 9 decimetres	50°12`21.9"N 066°23`31.5"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 4 metres	50°12`22.0"N 066°23`32.3"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 3 metres 2 decimetres by 0 metres 7 decimetres	50°12`21.2"N 066°23`28.5"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 0 metres 3 decimetres by 0 metres 1 decimetres	50°12`26.8"N 066°23`29.5"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 1 metre 4 decimetres	50°12`19.2"N 066°23`27.2"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 2 metres	50°12`19.7"N 066°23`28.3"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 1 metre 9 decimetres	50°12`24.6"N 066°23`33.4"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS Dolphin Symbol	50°11`52.8"N 066°23`00.7"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 5 metres	50°12`20.1"N 066°23`38.8"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	
CANCELS 5 metres	50°12`19.0"N 066°23`37.3"W
Notice 920(P)/99 is cancelled by the chart patches published in Ed. 6/2000.	

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

28-JUL-2000.		LNMD. 02-JUN-2000
Amend	Basque Est to read "BASQ-E" against light buoy	50°10`55.3"N 066°21`43.7"W
Amend	Basque Ouest to read "BASQ-O" against light buoy	50°10`47.9"N 066°22`36.3"W
1221 - Pointe de Moisie à/to Île du Grand Caouis - New Edition - 23-APR-1999 - NAD 1983		
28-JUL-2000.		
Amend	(Port Cartier) to read "PTCAR" against light and bell buoy	50°00`12.1"N 066°47`46.2"W
1226 - Port-Cartier - New Edition - 19-NOV-1999 - NAD 1983		
28-JUL-2000.		LNMD. 11-FEB-2000
Amend	(Port Cartier) to read "PTCAR" against light and bell buoy	50°00`12.3"N 066°47`44.1"W
1230 - Les Méchins - New Edition - 29-FEB-1980 - Nad 1927		
21-JUL-2000.		LNMD. 21-APR-2000
CANCELS	22 feet by 18 feet	49°00`23.9"N 066°58`33.1"W
	Notice 1309(P)/99 is cancelled by the chart patch published in Ed. 4/2000.	
1233 - Cap aux Oies à/to Sault-au-Cochon - New Edition - 28-MAY-1999 - NAD 1983		
28-JUL-2000.		LNMD. 05-MAY-2000
Amend	Fl(6) 15s 15m 15M to read Fl 5s 15m 15M	47°29`17.6"N 070°13`53.3"W
Amend	Fl 2.5s 16m 16M to read Fl 5s 16m 16M	47°24`33.7"N 070°25`52.9"W
L/C1234 - Cap de la Tête au Chien à/to Cap aux Oies - New Edition - 24-JUL-1998 - NAD 1983		
28-JUL-2000.		LNMD. 05-MAY-2000
Add	radar reflector	47°47`55.3"N 069°46`29.2"W
Amend	Ile aux Lièvres to read "ILIEV" against light and bell buoy	47°47`14.2"N 069°47`10.3"W
Amend	Haut-fond Morin to read "HFMOR" against light and bell buoy	47°36`08.1"N 070°02`16.2"W
L/C1235 - Pointe au Boisvert à/to Cap de la Tete au Chien - New Edition - 31-MAR-2000 - NAD 1983		
28-JUL-2000.		LNMD. (1935-1999)
Amend	Saguenay to read "SAGUE" against the pillar buoy.	48°07`08.7"N 069°36`05.3"W
L/C1236 - Matane - New Edition - 25-SEP-1998 - NAD 1983		
28-JUL-2000.		LNMD. 12-MAY-2000
Amend	Matane to read "MATAN" against light and bell buoy	48°51`56.9"N 067°32`40.5"W
L/C1236 - Pointe des Monts aux/to Escoumins - New Edition - 25-SEP-1998 - NAD 1983		
28-JUL-2000.		LNMD. 12-MAY-2000
Replace	the depth of 11 metres 8 decimetres over an artificial feature with a depth of 11 metres 2 decimetres over an artificial feature.	48°39`32.2"N 068°09`24.5"W
Amend	Fl 3s 37m 15M to read Fl 6s 41m 15M	49°05`20.0"N 066°44`28.9"W
Delete	light Fl 6s 15m 6M	48°53`58.3"N 068°39`35.1"W
	The structure remains with the orange daybeacon and the radar reflector.	
Add	orange daybeacon	48°53`58.3"N 068°39`35.1"W
Amend	Matane to read "MATAN" against light and bell buoy	48°51`56.9"N 067°32`40.5"W
Amend	Cap à la Carre to read "CALR" against North Cardinal light and bell buoy	48°19`58.3"N 069°00`52.7"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

1260 - Pointe-aux-Cenelles - New Chart - 04-JAN-1991 - NAD 1983

28-JUL-2000.		LNMD. (524-1992)
Replace	the depth of 11 metres 6 decimetres over an artificial feature with a depth of 11 metres 2 decimetres over an artificial feature.	48°39`32.2"N 068°09`24.5"W

1310 - Section A-B - New Edition - 12-MAR-1999 - NAD 1983

28-JUL-2000.		LNMD. 21-JUL-2000
Amend	AIGLON to read "AIGLO" against light buoy	45°42`26.4"N 073°28`25.2"W

1310 - Section B-C - New Edition - 24-MAR-2000 - NAD 1983

21-JUL-2000.		LNMD. (1315-1999)
Amend	"Longueuil B" to read "LGL-B"	45°33`07.2"N 073°30`53.3"W
Amend	"Ile Ste-Hélène" to read "ISH"	45°32`08.6"N 073°31`53.7"W

1311 - Sorel à/to Varennes - New Chart - 05-NOV-1999 - NAD 1983

21-JUL-2000.		LNMD. 12-MAY-2000
Add	green light, port hand pillar buoy FI G, marked M77	45°49`48.9"N 073°17`32.7"W
Delete	green, port hand, pillar buoy, marked M77	45°49`48.9"N 073°17`32.7"W
28-JUL-2000.		LNMD. 21-JUL-2000
Amend	Île Sainte-Ours to read "ISO" against light buoy	45°56`45.5"N 073°12`50.7"W

1311 - Terminal Contrecoeur - New Chart - 05-NOV-1999 - NAD 1983

21-JUL-2000.		LNMD. 12-MAY-2000
Add	green light, port hand pillar buoy FI G, marked M77	45°49`48.9"N 073°17`32.7"W
Delete	green, port hand, pillar buoy, marked M77	45°49`48.9"N 073°17`32.7"W

1316 - New Edition - 26-FEB-1999 - NAD 1983

28-JUL-2000.		LNMD. 31-MAR-2000
Amend	Limite D to read "LIM-D" against light buoy	46°51`02.6"N 071°09`23.3"W
Amend	Limite F to read "LIM-F" against light buoy	46°50`54.5"N 071°09`01.4"W
Add	red, green, red starboard bifurcation, pillar light buoy FI (2+1) R, marked "QUEB"	46°49`24.3"N 071°12`21.9"W
	Notice 1122(T)/98 cancelled.	

1317 - Continuation A - New Edition - 15-JAN-1999 - NAD 1983

28-JUL-2000.		LNMD. 31-MAR-2000
Amend	Limite D to read "LIM-D" against light buoy	46°51`02.6"N 071°09`23.3"W
Amend	Limite F to read "LIM-F" against light buoy	46°50`54.5"N 071°09`01.4"W
Replace	green buoy symbol with the red buoy symbol.	46°56`45.5"N 070°51`04.9"W
	The symbol describing the buoy K132 is inaccurate on chart 1317. All other information given about this buoy is correct.	
Amend	Marina Montmagny to read "MTGNV" against information light buoy	47°01`34.2"N 070°33`43.1"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

1400 - Montréal to/à Lake/Lac Ontario - New Edition - 25-JUN-1999 - Nad 1927

28-JUL-2000. LNM/D. (738-1998)

Delete note in lower left hand corner of chart

The information contained on this chart has been corrected from Notices to Mariners to the date of publication only. For subsequent corrections, consult the Notices to Mariners or write to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario K1A 0E6. Please state the latest edition date.

Le contenu de cette carte a été corrigé au moyen des Avis aux navigateurs au moment de sa publication seulement. Pour les corrections subséquentes, consulter les Avis aux navigateurs au écrire à Information nautique, Service hydrographique du Canada, ministère des Pêches et des Océans, Ottawa (Ontario) K1A 0E6. Veuillez indiquer la date de la dernière édition.

Add Note in lower left hand corner of chart below the note which reads NEW EDITION/ NOUVELLE ÉDITION JUNE/JUIN 25 1999

NOTICES TO MARINERS / AVIS AUX NAVIGATEURS

1410 - Lac Saint-Louis - New Edition - 25-JUN-1999 - NAD 1983

28-JUL-2000. LNM/D. 21-APR-2000

Affix a patch 45°24`17.0"N 073°53`40.0"W

Notice 1934(P)/1999 cancelled.

1411 - Baie Saint-Francois - New Edition - 02-AUG-1996 - Nad 1927

14-JUL-2000. LNM/D. 17-MAR-2000

Add lighted pontoon 45°15`30.0"N 074°07`55.0"W

1509 - E à F - Sheet 2 - New Chart - 18-MAY-1990 - NAD 1983

28-JUL-2000. LNM/D. (1956-1999)

Amend AIGLON to read "AIGLO" against light buoy 45°42`26.4"N 073°28`25.2"W

1513 - WASHBURN TO/A KINGSTON - Sheet 5 - New Edition - 07-JUN-1996 - Nad 1927

07-JUL-2000. LNM/D. 31-MAR-2000

Amend F G to read F Y 44°13`56.0"N 076°28`35.0"W

2021 - Trenton to/à Glen Ross - Sheet 2 - New Edition - 25-JUN-1993 - Nad 1927

28-JUL-2000. LNM/D. 31-MAR-2000

CANCELS red spar buoy 44°06`14.2"N 077°31`34.8"W

Notice 1125(P)/98, paragraph 1 cancelled.

CANCELS "2" 44°06`20.0"N 077°31`29.0"W

Depth 2 remains. Notice 1125(P)/98, paragraph 1, cancelled

CANCELS "4" 44°06`11.0"N 077°31`43.0"W

Depth 4 remains. Notice 1125(P)/98, paragraph 1, cancelled

Delete red, starboard hand, spar buoy, Priv 44°06`14.2"N 077°31`34.8"W

Delete green, port hand, spar buoy, marked QY3 44°06`17.0"N 077°31`27.5"W

Add breakwater between 44°06`13.0"N 077°31`29.5"W
and 44°06`17.0"N 077°31`29.9"W

Add light "FI Y" (Priv) 44°06`13.0"N 077°31`29.5"W

Add light "FI Y" (Priv) 44°06`14.8"N 077°31`30.0"W

Add light "FI Y" (Priv) 44°06`16.9"N 077°31`29.0"W

Add light "FI G" (Priv) 44°06`17.0"N 077°31`29.9"W

Add starboard daybeacon 44°06`53.0"N 077°35`32.0"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

Add	red, starboard hand, spar buoy, marked T28	44°11`17.0"N 077°35`33.0"W
2021 - Glen Ross to Haig's Reach Lock/Glen Ross a l'ecluse de Haig's Reach - Sheet 3 - New Edition - 25-JUN-1993 - Nad 1927		
28-JUL-2000.		LNMD. 31-MAR-2000
Delete	daybeacon marked T206	44°15`57.0"N 077°47`48.0"W
Add	red, starboard hand, spar buoy marked T206	44°15`57.0"N 077°47`48.0"W
2058 - Cobourg to/à Oshawa - New Edition - 25-FEB-2000 - NAD 1983		
28-JUL-2000.		
Reposition	south cardinal light buoy Q(6) + LFI 15 s marked MN	from 43°56`12.0"N 078°13`48.0"W to 43°56`05.4"N 078°13`48.0"W
2064 - Kingston to/à False Ducks Islands - New Edition - 05-MAR-1999 - NAD 1983		
14-JUL-2000.		LNMD. (1907-1999)
Add	green light, port hand pillar buoy FI G, marked QP5	44°01`08.7"N 077°07`47.0"W
L/C2201 - Georgian Bay / Baie Georgienne - New Edition - 18-NOV-1998 - NAD 1983		
14-JUL-2000.		LNMD. 09-JUN-2000
Delete	legend "Chart/Carte 2212"	44°44`00.0"N 081°06`00.0"W
Delete	legend "Chart/Carte 2213"	44°34`00.0"N 080°54`00.0"W
Delete	legend "Chart/Carte 2214"	44°36`45.0"N 080°37`30.0"W
Delete	legend "Inset/ Cartouche"	44°33`15.0"N 080°28`45.0"W
Delete	legend "Chart/Carte 2215"	44°29`15.0"N 080°14`45.0"W
Add	legend "Chart/Carte 2283"	44°58`50.0"N 080°53`15.0"W
Add	legend "Chart/Carte 2283"	44°59`15.0"N 080°09`45.0"W
Amend	legend "Chart/Carte 2239" to read "Chart/Carte 2241"	44°56`10.0"N 080°07`15.0"W
2202 - Port Severn to/à Tomahawk Island - Sheet 1 - New Edition - 26-MAR-1999 - Nad 1927		
28-JUL-2000.		LNMD. 09-JUN-2000
Delete	front beacon range	44°47`11.6"N 079°45`25.4"W
Add	green, port hand, spar buoy, marked C35	44°47`15.8"N 079°45`55.4"W
Delete	rear beacon range	44°47`11.3"N 079°45`24.0"W
2202 - Potato Island Channel - Sheet 1 - New Edition - 26-MAR-1999 - Nad 1927		
28-JUL-2000.		LNMD. 09-JUN-2000
Delete	front beacon range	Inset, Potato Island Channel
Delete	rear beacon range	Inset, Potato Island Channel
2205 - Killarney to/à Little Current - New Edition - 18-DEC-1987 - Nad 1927		
28-JUL-2000.		LNMD. (2355-1999)
	On certain copies of chart 2205 (with a Reprint date of JUNE/JUIN 30 2000) the note that reads:	
Delete	note	within title block and explanatory notes

The information contained on this chart has been corrected from Notices to Mariners to the date of publication only. For subsequent corrections, consult the Notices to Mariners or write to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario K1A 0E6. Please state the latest edition date.

Le contenu de cette carte a été corrigé au moyen des Avis aux navigateurs au moment de sa publication seulement. Pour les corrections subséquentes, consulter les Avis aux navigateurs au écrire à Information nautique, Service hydrographique du Canada, ministère des Pêches et des Océans, Ottawa (Ontario) K1A 0E6. Veuillez indiquer la date de la dernière édition.

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

If date is prior to June 30, 2000 then this note is valid and the Canadian Hydrographic Service will provide notices on it.

On certain copies of chart 2205 (with a Reprint date of JUNE/JUIN 30 2000) a note that reads:

Add	note NOTICES TO MARINERS / AVIS AUX NAVIGATEURS	Lower left hand corner of chart below the note which reads REPRINT JUNE/JUIN 30 2000
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2257 - Clapperton Island to/à John Island - New Edition - 02-NOV-1984 - Nad 1927

07-JUL-2000.		LNMD. 21-APR-2000
Delete	green, port hand, spar buoy, marked UD1	46°10`05.0"N 082°29`41.0"W
Delete	red, starboard hand, spar buoy, marked UD2	46°09`48.0"N 082°28`48.0"W
Delete	green, port hand, spar buoy, marked UD3	46°10`44.0"N 082°28`31.0"W

L/C2282 - Owen Sound to/à Cabot Head - New Edition - 07-JUN-1996 - NAD 1983

14-JUL-2000.		LNMD. (2122-1999)
Delete	legend "Chart/Carte 2213"	44°36`42.0"N 080°55`50.0"W
Delete	legend "Chart/Carte 2212"	44°45`12.0"N 081°07`30.0"W
Add	legend "Chart/Carte 2283"	45°12`00.0"N 080°45`30.0"W
Amend	legend "Adjoining Chart/Carte 2201" to read "Adjoining Chart/Carte 2283"	in east border

2289 - Giants Tomb Island to/à Lone Rock - New Edition - 16-OCT-1987 - Unknown

14-JUL-2000.		LNMD. 09-JUN-2000
Amend	legend "Adjoining Chart/Carte 2239" to read "Adjoining Chart/Carte 2241"	in south border

2299 - Clapperton Island to/à Meldrum Bay - New Edition - 30-SEP-1983 - Nad 1927

07-JUL-2000.		LNMD. 19-MAY-2000
Delete	red, starboard hand, spar buoy, marked UM2	46°06`27.0"N 082°50`00.0"W
Delete	green, port hand, spar buoy, marked UD1	46°10`04.0"N 082°29`40.0"W
Delete	red, starboard hand, spar buoy, marked UD2	46°09`48.0"N 082°28`48.0"W
Delete	green, port hand, spar buoy, marked UD3	46°10`44.0"N 082°28`32.0"W

L/C2301 - Passage Island to/à Thunder Bay - New Edition - 22-FEB-1991 - US Standard Datum

14-JUL-2000.		LNMD. (2317-1999)
Delete	red, starboard hand, spar buoy	48°06`50.0"N 088°41`10.0"W
Add	red, starboard hand, conical buoy	48°06`50.0"N 088°41`10.0"W
Delete	green, port hand, spar buoy	48°06`55.0"N 088°41`04.0"W
Add	green, port hand, can buoy	48°06`55.0"N 088°41`04.0"W

2311 - Thunder Cape to/à Pigeon River - New Edition - 23-APR-1999 - NAD 1983

14-JUL-2000.		LNMD. (2305-1999)
Delete	red, starboard hand, spar buoy	48°06`48.5"N 088°41`11.5"W
Add	red, starboard hand, conical buoy	48°06`48.5"N 088°41`11.5"W
Delete	green, port hand, spar buoy	48°06`54.0"N 088°41`07.0"W
Add	green, port hand, can buoy	48°06`54.0"N 088°41`07.0"W

L/C4020 - Strait of Belle Isle - New Edition - 27-DEC-1991 - Nad 1927

14-JUL-2000.		LNMD. 16-JUN-2000
Add	yellow and black , south cardinal pillar light buoy Q(6) + LFI 15s, marked NR	51°43`22.5"N 056°23`30.0"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

4024 - Baie des Chaleurs aux/to Îles de la Madeleine - New Edition - 03-MAR-2000 - NAD 1983

28-JUL-2000.

Amend FI 4s 15m 10M to read FI 4s 22m 10M 47°36`58.1"N 061°23`25.7"W

Amend FI 6s 24m 20M to read FI 5s 24m 20M 47°23`27.2"N 061°46`24.6"W

L/C4026 - Havre-Saint-Pierre et/and Cap des Rosiers à/to Pointe des Monts - New Edition - 27-DEC-1991 - Nad 1927

21-JUL-2000. LNM/D. (2311-1998)

Amend FI 10s 312ft 18M to read "FI 10s 312ft 20M" 49°05`15.4"N 064°33`40.0"W

28-JUL-2000. LNM/D. 21-JUL-2000

Add red and white, fairway, pillar, light buoy Mo (A) 50°15`49.4"N 064°46`49.8"W

Amend FI 3s 120ft 15M to read FI 6s 136ft 15M 49°05`19.8"N 066°44`31.2"W

4201 - Halifax Harbour - Bedford Basin - New Edition - 26-JAN-1990 - NAD 1983

14-JUL-2000. LNM/D. (1121-1999)

Delete red, starboard spar buoy marked HY10 44°41`55.2"N 063°36`40.4"W

4209 - Lockeport Harbour - New Chart - 21-OCT-1994 - NAD 1983

14-JUL-2000. LNM/D. 26-MAY-2000

Amend FI 6s 15m 15M to read, FI 6s 16m 8M 43°42`19.3"N 065°06`04.0"W

4210 - Cape Sable to/à Pubnico Harbour - New Chart - 05-APR-1991 - NAD 1983

07-JUL-2000. LNM/D. 16-JUN-2000

CANCELS light "FI" 43°32`11.7"N 065°44`36.6"W

Note: Additional information will be available upon completion of survey.

Add rock which covers and uncovers 43°32`11.8"N 065°44`36.4"W

Add light, FI 43°32`11.8"N 065°44`36.4"W

4211 - Cape Lahave to/à Liverpool Bay - New Edition - 07-DEC-1990 - Nad 1927

07-JUL-2000. LNM/D. 12-MAY-2000

Amend FG to read, FI G 44°01`09.8"N 064°39`47.8"W

L/C4230 - Little Hope Island to/à Cape St Marys - New Chart - 15-JUN-1990 - NAD 1983

07-JUL-2000. LNM/D. 05-MAY-2000

CANCELS light "FI" 43°32`11.7"N 065°44`36.6"W

Note: Additional information will be available upon completion of survey.

L/C4240 - Liverpool Harbour to/à Lockeport Harbour - New Chart - 06-OCT-1989 - NAD 1983

07-JUL-2000. LNM/D. 12-MAY-2000

Amend FG to read, FI G 44°01`10.3"N 064°39`45.6"W

L/C4242 - Cape Sable Island to/aux Tusket Islands - New Edition - 28-AUG-1992 - NAD 1983

07-JUL-2000. LNM/D. 16-JUN-2000

Add light, FI 43°32`11.8"N 065°44`36.4"W

4379 - Liverpool Harbour - New Edition - 31-OCT-1986 - Nad 1927

07-JUL-2000. LNM/D. (139-1999)

Amend FG to read, FI G 8s 5m 6M 44°01`09.8"N 064°39`47.8"W

L/C4406 - Tryon Shoals to/à Cape Egmont - New Edition - 27-FEB-1998 - NAD 1983

28-JUL-2000. LNM/D. (2325-1999)

Delete front range light 46°09`56.5"N 064°08`43.5"W

Delete rear range light 46°09`53.9"N 064°08`47.0"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

4432 - Îles de Mingan - New Edition - 14-DEC-1984 - Nad 1927

28-JUL-2000. LNM/D. (316-1998, 324-1998)
Amend Baie Mingan to read "BMING" against light buoy 50°16`39.0"N 064°02`42.0"W

L/C4451 - Îles de la Madeleine - New Edition - 27-MAR-1987 - Nad 1927

21-JUL-2000. LNM/D. (1117-1999)
Amend Q G 39ft to read " Iso G 39ft" 47°22`41.7"N 061°51`18.7"W
Amend Q G 24ft to read " Iso G 24ft" 47°22`38.8"N 061°51`16.2"W
Amend Q G 15ft to read " Iso G 15ft" 47°13`44.0"N 061°50`03.7"W
Amend FI 3s 150ft 8M to read "FI 3s 131ft 10M" 47°46`54.2"N 061°30`33.1"W
Amend FI 4s 51ft 6M to read "FI 4s 73ft 10M" 47°36`57.8"N 061°23`28.3"W
Amend FI 6s 94ft 15M to read "FI 6s 92ft 20M" 47°23`04.2"N 061°57`32.9"W
Amend FI 6s 79ft 15M to read "FI 5s 79ft 20M" 47°23`28.7"N 061°46`25.0"W
Amend FI (3) 20s 101ft 8M to read "FI (3) 20s 102ft 20M" 47°12`45.1"N 061°58`20.8"W
Amend Iso 5s 101ft 16M to read "FI 2.5s 101ft 19M" 47°16`05.1"N 061°42`21.8"W
Amend FI R to read " Iso R" 47°16`40.1"N 061°43`11.1"W
Amend FI 3s 235ft 5M to read "FI 3s 233ft 8M" 47°17`18.1"N 061°41`26.2"W

L/C4485 - Cap des Rosiers à/Chandler - New Edition - 26-SEP-1997 - NAD 1983

21-JUL-2000. LNM/D. (552-1999)
Amend FI (4) 31½s 90ft 18M to read "FI (4) 30s 84ft 17M" 48°25`09.3"N 064°19`01.7"W
Amend FI 6s 81ft 6M to read "FI 6s 81ft 9M" 48°37`37.2"N 064°09`22.7"W
Amend FI 5s 351ft 10M to read "FI 5s 351ft 14M" 48°45`04.0"N 064°09`45.5"W

4486 - Baie des Chaleurs / Chaleur Bay - New Edition - 19-FEB-1999 - NAD 1983

14-JUL-2000. LNM/D. (1900-1999)
Amend FI 6s 76ft to read FI 5s 66ft 48°09`04.8"N 064°56`59.0"W

4641 - Port aux Basques and Approaches - New Edition - 25-DEC-1998 - NAD 1983

21-JUL-2000. LNM/D. (1966-1999)
Delete abandoned submarine cable joining 47°34`39.2"N 059°08`07.8"W
47°34`40.6"N 059°07`55.6"W
47°34`38.4"N 059°07`54.5"W
47°34`36.9"N 059°07`54.1"W
47°34`35.8"N 059°07`54.9"W
47°34`34.3"N 059°07`56.2"W
and 47°34`34.0"N 059°07`56.2"W
Add submarine power cable joining 47°34`39.2"N 059°08`07.8"W
47°34`40.6"N 059°07`55.6"W
47°34`38.4"N 059°07`54.5"W
47°34`36.9"N 059°07`54.1"W
47°34`35.8"N 059°07`54.9"W
47°34`34.3"N 059°07`56.2"W
and 47°34`34.0"N 059°07`56.2"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

4669 - Red Bay - New Chart - 10-OCT-1957 - Unknown

14-JUL-2000.		LNM/D. (109-1999)
Delete	red starboardhand spar buoy, marked NR2	112°04'39", 1.67 sea miles from Penney Island observation spot
Add	yellow and black, south cardinal pillar light buoy, Q(6)+ LFI 15s, marked NR	112°04'39", 1.67 sea miles from Penney Island observation spot

L/C4730 - Nain to Domino Point - New Edition - 07-OCT-1983 - Unknown

14-JUL-2000.		LNM/D. (1319-1999)
Delete	legend, Chart 4748	56°24`18.0"N 060°47`00.0"W

L/C4775 - Nain to Saglek Bay - New Edition - 09-SEP-1983 - Unknown

14-JUL-2000.		LNM/D. (203-1997)
Amend	legend Chart 4748 to read, "Chart 5052"	56°29`38.0"N 060°46`23.0"W

4839 - Come by Chance and/et Arnold's Cove - New Chart - 27-MAR-1992 - NAD 1983

14-JUL-2000.		LNM/D. (1757-1999)
Add	depth of 9 metres, 7 decimetres	47°47`24.6"N 054°00`41.5"W
Add	depth of 9 metres, 4 decimetres	47°47`31.7"N 054°00`42.9"W
Add	depth of 4 metres, 2 decimetres	47°47`33.7"N 054°00`16.8"W
Add	depth of 5 metres, 9 decimetres	47°47`50.9"N 054°00`51.7"W
Add	depth of 7 metres, 4 decimetres	47°48`35.8"N 054°01`33.6"W
Delete	depth of 10 metres, 7 decimetres	47°48`41.0"N 054°01`04.9"W
Add	depth of 9 metres, 7 decimetres	47°48`40.5"N 054°01`04.2"W
Replace	depth of 8 metres, 2 decimetres, with depth of 7 metres 3 decimetres	47°48`53.4"N 054°01`16.6"W
Add	depth of 6 metres, 4 decimetres	47°48`53.8"N 054°01`06.6"W
Delete	depth of 8 metres, 5 decimetres	47°48`49.1"N 054°00`45.3"W
Add	depth of 7 metres, 5 decimetres	47°48`48.6"N 054°00`45.0"W

4839 - Head of/ fond de Placentia Bay - New Chart - 27-MAR-1992 - NAD 1983

14-JUL-2000.		LNM/D. (1757-1999)
Add	depth of 9 metres, 7 decimetres	47°47`24.6"N 054°00`41.5"W
Add	depth of 4 metres, 2 decimetres	47°47`33.7"N 054°00`16.8"W
Add	depth of 5 metres, 9 decimetres	47°47`50.9"N 054°00`51.7"W
Delete	depth of 10 metres, 7 decimetres	47°48`41.0"N 054°01`04.9"W
Add	depth of 9 metres, 7 decimetres	47°48`40.5"N 054°01`04.2"W
Add	depth of 6 metres, 4 decimetres	47°48`53.8"N 054°01`06.6"W
Delete	depth of 8 metres, 5 decimetres	47°48`49.1"N 054°00`45.3"W
Add	depth of 7 metres, 5 decimetres	47°48`48.6"N 054°00`45.0"W
Add	depth of 13 metres, 7 decimetres	47°48`32.5"N 054°00`51.2"W

L/C4905 - Cape Tormentine à/to West Point - New Chart - 22-JUL-1988 - NAD 1983

28-JUL-2000.		LNM/D. (2325-1999, 2329-1999)
Delete	front range light	46°09`56.5"N 064°08`43.5"W
Delete	rear range light	46°09`53.9"N 064°08`47.0"W

4921 - Abords de / Approches to Paspébiac - New Edition - 06-MAR-1998 - NAD 1983

21-JUL-2000.		LNM/D. 14-JUL-2000
Amend	Fl 6s 14m 18M to read "Fl 5s 14m 20M"	48°00`57.7"N 065°14`49.7"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

4921 - Baie de Port-Daniel - New Edition - 06-MAR-1998 - NAD 1983

14-JUL-2000. LNM/D. 02-JUN-2000
Amend FI 6s 23m to read FI 5s 20m 48°09`04.8"N 064°56`59.0"W

4921 - Chandler - New Edition - 06-MAR-1998 - NAD 1983

21-JUL-2000. LNM/D. 14-JUL-2000
Amend FI 6s 14m to read "FI 5s 14m" 48°20`28.1"N 064°39`29.5"W

4921 - L'Anse-à-Beaufils - New Edition - 06-MAR-1998 - NAD 1983

21-JUL-2000. LNM/D. 14-JUL-2000
Replace 1 metre 8 decimetres by 1 metre 5 decimetres 48°28`21.2"N 064°18`33.2"W
Amend legend 1,7m (1998) to read "1,5m (1999)" 48°28`20.0"N 064°18`31.0"W

4921 - Quai / Wharf Chandler - New Edition - 06-MAR-1998 - NAD 1983

21-JUL-2000. LNM/D. 14-JUL-2000
Amend FI 6s 14m to read "FI 5s 14m" 48°20`28.1"N 064°39`29.5"W

4921 - Quai / Wharf Port-Daniel-Est - New Edition - 06-MAR-1998 - NAD 1983

21-JUL-2000. LNM/D. 14-JUL-2000
Replace 0 metres 6 decimetres by 0 metres 4 decimetres 48°10`57.8"N 064°57`43.4"W
Replace 0 metres 8 decimetres by 0 metres 5 decimetres 48°10`57.3"N 064°57`42.6"W
Replace 1 metre 8 decimetres by 1 metre 5 decimetres 48°10`53.9"N 064°57`43.3"W
Add sounding with a drying height of 0 metres 1 decimetre 48°10`55.4"N 064°57`45.7"W

L/C4951 - Îles de la Madeleine - Partie sud / South Portion - New Chart - 04-JAN-1991 - NAD 1983

21-JUL-2000. LNM/D. 14-APR-2000
Amend Q G 12m to read " Iso G 12m" 47°22`40.5"N 061°51`16.4"W
Amend Q G 7m to read " Iso G 7m" 47°22`36.8"N 061°51`13.2"W
Amend Q G 5m to read " Iso G 5m" 47°13`43.1"N 061°49`59.6"W
Amend FI 6s 29m 15M to read "FI 6s 28m 20M" 47°23`05.1"N 061°57`33.1"W
Amend FI 6s 24m 15M to read "FI 5s 24m 20M" 47°23`27.1"N 061°46`24.6"W
Amend FI (3) 20s 31m 8M to read "FI (3) 20s 31m 20M" 47°12`44.4"N 061°58`19.3"W
Amend Iso 5s 31m 16M to read "FI 2.5s 31m 19M" 47°16`02.9"N 061°42`18.0"W
Amend FI R to read " Iso R" 47°16`38.4"N 061°43`07.4"W
Amend FI 3s 72m 5M to read "FI 3s 71m 8M" 47°17`17.1"N 061°41`21.8"W

L/C4952 - Îles de la Madeleine - Partie nord/Northern Portion - New Chart - 21-AUG-1992 - NAD 1983

21-JUL-2000. LNM/D. (1746-1999)
Amend FI 3s 40m 8M to read "FI 3s 40m 10M" 47°46`54.3"N 061°30`29.8"W
Amend FI 4s 15m 6M to read "FI 4s 22m 10M" 47°36`58.1"N 061°23`25.7"W

4956 - Cap-aux-Meules - New Chart - 23-NOV-1990 - NAD 1983

21-JUL-2000. LNM/D. (128-1999)
Amend Q G 12m to read " Iso G 12m" 47°22`40.5"N 061°51`16.4"W
Amend Q G 7m to read " Iso G 7m" 47°22`36.8"N 061°51`13.2"W
28-JUL-2000. LNM/D. 21-JUL-2000
Reposition red, starboard hand, spar buoy, marked YD4 from 47°22`35.5"N 061°51`08.6"W
to 47°22`35.8"N 061°51`06.4"W

**SECTION 2 – Edition 07/2000
CHART CORRECTIONS**

4957 - Havre-Aubert - New Chart - 13-JUL-1990 - NAD 1983

21-JUL-2000. LNM/D. (1733-1998)
Amend Q G 5m to read " Iso G 5m" 47°13`43.1"N 061°49`59.6"W

6107 - Rainy Lake/Lac à la pluie - Hostess Island to/a Devils Cascade - New Edition - 29-OCT-1999 - NAD 1983

28-JUL-2000. LNM/D. (1072-1984)
Delete note in lower left hand corner of chart

The information contained on this chart has been corrected from Notices to Mariners to the date of publication only. For subsequent corrections, consult the Notices to Mariners or write to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario K1A 0E6. Please state the latest edition date.

Le contenu de cette carte a été corrigé au moyen des Avis aux navigateurs au moment de sa publication seulement. Pour les corrections subséquentes, consulter les Avis aux navigateurs au écrire à Information nautique, Service hydrographique du Canada, ministère des Pêches et des Océans, Ottawa (Ontario) K1A 0E6. Veuillez indiquer la date de la dernière édition.

Add note in lower left hand corner of chart below the
note which reads NEW EDITION /
NOUVELLE ÉDITION Oct 29 1999
NOTICES TO MARINERS / AVIS AUX NAVIGATEURS

C-4 - Rivière-au-Renard - New Chart - 25-JUL-1986 - Nad 1927

21-JUL-2000. LNM/D. (1737-1999)
Amend F R 9m to read "F R 10m" 48°59`41.9"N 064°23`12.8"W
Amend F R 11m to read "F R 10m" 48°59`40.0"N 064°23`14.9"W

**CANADIAN COAST GUARD PUBLICATION - Amendment to the Radio Aids to Marine Navigation
(Atlantic and Great Lakes) Publication - Annual Edition 2000.**

Page 2-16

MCTS Placentia, Newfoundland Communication Sites Located at:

Amend coordinates to read:

Freshwater 47 15 43 N
53 59 03 W

Page 2-17

MCTS Placentia/VCP Ship/Shore Communications

Amend table to include:

SITES	Channel:	VTS Sector:	Frequencies		Remarks:
			Transmit:	Receive:	
Freshwater	Ch28				

Page 2-18

MCTS Placentia/VCP – Broadcasts:

Under Time Continuous, amend Frequency column to add:

Ch25B Freshwater

Under RADIOTELEPHONY column add :

- Actual weather observations (when available) for the following sites :
 6. St. Lawrence
- Notices to Shipping Placentia Bay and Approaches, Pt. Crewe to Pt. Lance

Page 2-18

MCTS Placentia/VCP – Traffic Lists:

Add:

Time	Frequency	Sites
0142 UTC then every 4 hours	Ch28	RADIOTELEPHONY: • Freshwater

Page 2-42

MCTS St. John’s, Newfoundland Communication Sites Located at:

Amend coordinates to read:

Bull Arm 47 49 00 N
53 54 10 W

Page 2-44

MCTS St. John's/VON – Traffic Lists:

Add:

Time	Frequency	Sites
0140 UTC then every 4 hours	Ch23	RADIOTELEPHONY: <ul style="list-style-type: none">• Bull Arm

Page 2-74

DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS)

In second paragraph correct CCG Web Site to read :

<http://www.ccg-gcc.gc.ca/dgps/main.htm>

**CANADIAN COAST GUARD PUBLICATION - Amendment to the Radio Aids to Marine Navigation
(Atlantic and Great Lakes) Publication - Annual Edition 2000.**

Page iii

Hydrographic Chart Distribution Office, Ottawa

Amend the e-mail address to read:

E-Mail : chs_sales@dfo-mpo.gc.ca

Internet : <http://www.chs-shc.dfo-mpo.gc.ca>

Hydrographic Chart Distribution Office, Sidney

Amend the telephone and fax numbers to read:

Phone: (250) 363-6358

Fax: (250) 363-6841

Amend the e-mail address to read:

E-Mail : chartsales@pac.dfo-mpo.gc.ca

Internet : <http://www.ios.bc.ca/ios/chs>

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 250 — Paragraph 58, last line

Add: Another **light** is situated on a small rock close SW of Angels Island.

(A00-007)

Page 262 — Paragraph 15, lines 1 to 4

Delete: “Light and whistle NK” to end of paragraph.

(A00-003)

Page 262 — Delete paragraph 16

Replace by: 16 Bifurcation light and whistle NM is moored 1.4 miles SSW of Southwest Shoal. A racon, with Morse Code identification K (— • —) operates from this buoy.

(A00-004)

Gulf of St. Lawrence, First Edition, 1992 —

Page 125 — After paragraph 71

Insert: 71.1 **Marina.** — A marina has been constructed on the south shore of Barachois Harbour at Waldegrave, close east of the highway bridge. A man-made harbour has been dredged to a reported depth of 7 feet (2.1 m); the entrance channel is about 50 feet (15 m) wide. There are 65 small craft berths, boat storage and launching facilities. The area is lighted. Fuel, water and electricity are available.

(A00-005)

Page 143 — Paragraph 209, lines 3-5

Delete: “Leading lights (1098, 1099) ... into the channel.”

(A00-006)

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

Page 7 — Diagram **DESCHAILLONS-SUR-SAINT-LAURENT**

Delete diagram and replace it by the new diagram included in **Section IV** of this Monthly Edition.

(L00-20.1)

Page 19 — Diagram **RIVIÈRE NICOLET**

Delete diagram and replace it by the new diagram included in **Section IV** of this Monthly Edition.

(L00-20.2)

Page 23 — Diagram **SAINTE-ANNE-DE-SOREL**

Delete diagram and replace it by the new diagram included in **Section IV** of this Monthly Edition.

(L00-20.3)

Page 30 — Diagram **VERCHÈRES**

Delete diagram and replace it by the new diagram included in **Section IV** of this Monthly Edition.

(L00-20.4)

Page 33 — Diagram **REPENTIGNY**

Delete diagram and replace it by the new diagram included in **Section IV** of this Monthly Edition.

(L00-20.5)

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 28 — Right hand column, Section 3

Delete subsection (2)

Replace by: (2) Sections 5 to 7 apply to every ship that is required by the *Ship Station (Radio) Regulations, 1999* to be fitted with a VHF radiotelephone.

(C00-053.1)

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

Page 58 — Paragraph 104, lines 3 and 4

Delete: “33 feet ... (6.1 m)”

Replace by: 20 feet (6.1 m) from a white cylindrical tower
16 feet (4.9 m)

(C00-054.1)

CEN 306 — Georgian Bay, First Edition, 1998 —

Pages 1 and 2 — Paragraph 4, lines 1 to 7

Delete: “*Charts 2239... 1939.*”

Replace by: *Chart 2289* are based on lead line surveys carried out between 1891 and 1893.

(C00-051.1)

Page 37 — After paragraph 42

Page 38 — Top of left column

Page 38 — After paragraph 47

Page 38 — After paragraph 64

Page 39 — Top of left column

Page 39 — After paragraph 69

Page 40 — Top of left column

Page 40 — Before paragraph 100

Page 41 — Top of left column

Page 42 — Top of left column

Page 46 — Before paragraph 223

Page 48 — Before paragraph 264

Page 50 — Before paragraph 289

Page 51 — Top of left column

Page 75 — Before paragraph 1

Page 75 — Paragraph 2, line 1

Page 76 — Top of left column

Page 76 — Paragraph 8, line 4

Page 83 — After paragraph 150

Page 83 — Paragraph 151, line 7

Page 83 — Paragraph 152, line 3

Page 85 — After paragraph 185

Page 86 — Top of left column

Page 87 — Paragraph 226, line 2

Delete: 2239

Replace by: 2241

(C00-051.2)

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 40 — Paragraph 95, line 1

Page 139 — INDEX

Delete: Salt Cove

Replace by: Salt Harbour

(C00-052.1)

..\..\..\graphics\menu\Deschaillons_an.jpg

..\..\..\graphics\menu\Repentigny_an.jpg

..\..\..\graphics\menu\Nicolet_an.jpg

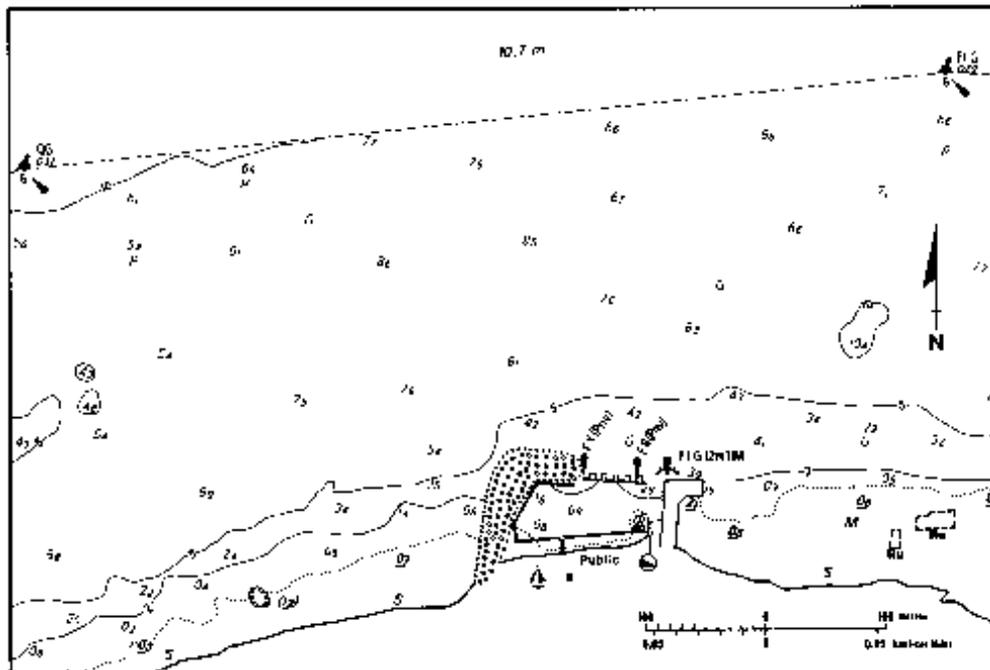
..\..\..\graphics\menu\Stanne_an.jpg

..\..\..\graphics\menu\Vercheres_an.jpg

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

ATL 112, 51 Lawrence River-Cap-Rouge to Montréal, First Edition, 1997

DESCHAILLONS-SUR-SAINT-LAURENT (Scale 1:5 000)

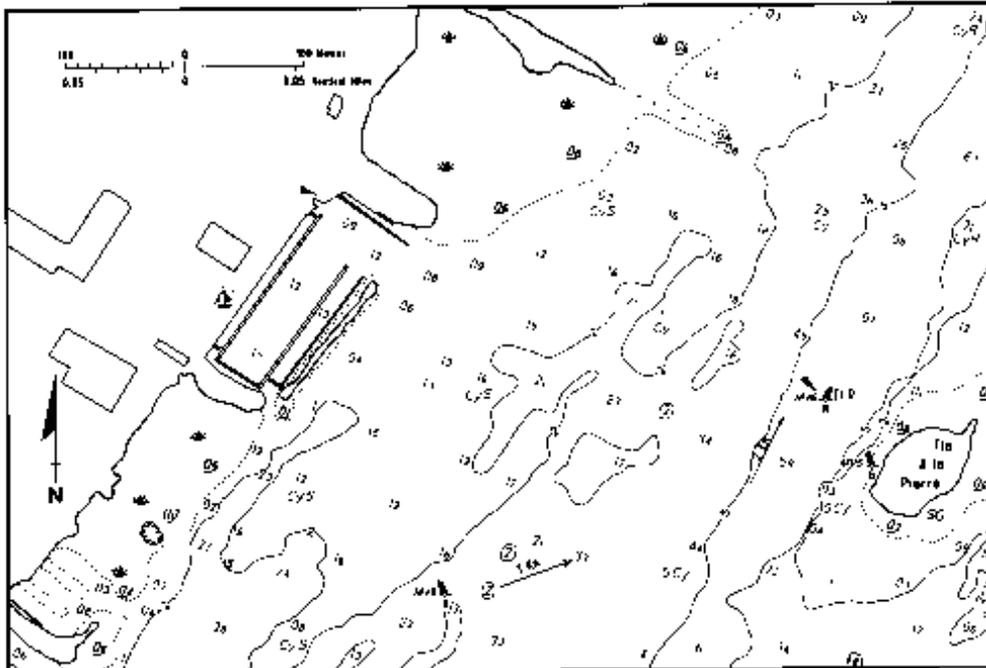


SOURCES: Surveyed by the Canadian Hydrographic Service in 1989-97

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

REPENTIGNY (Scale 1:5 000)

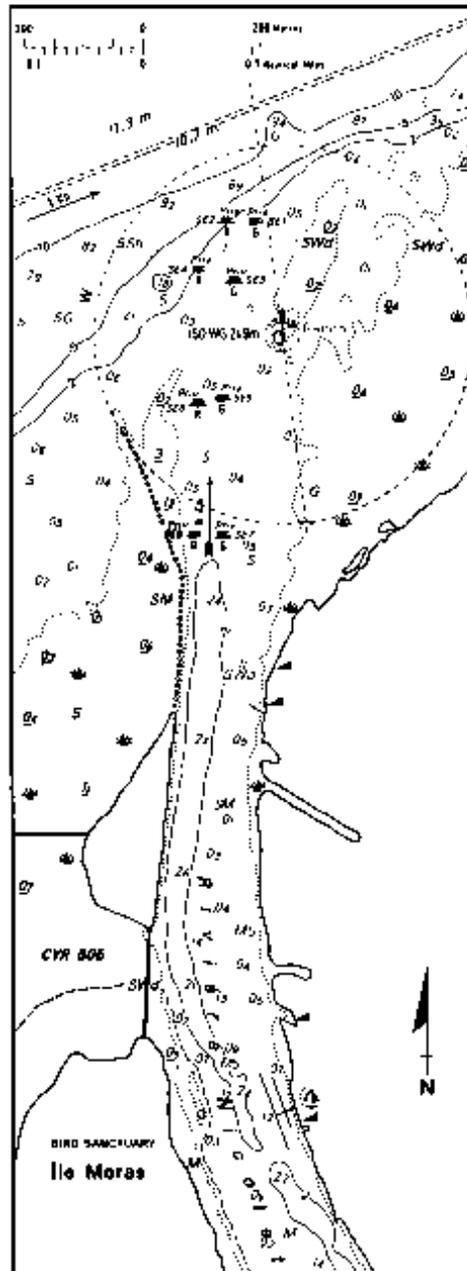


SOURCES: Surveyed by the Canadian Hydrographic Service in 1991-99

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

ATL 112 St. Lawrence River - Cap-Rouge to Montserrat First Edition 1992

RIVIÈRE NICOLET (Scale 1:10 000)

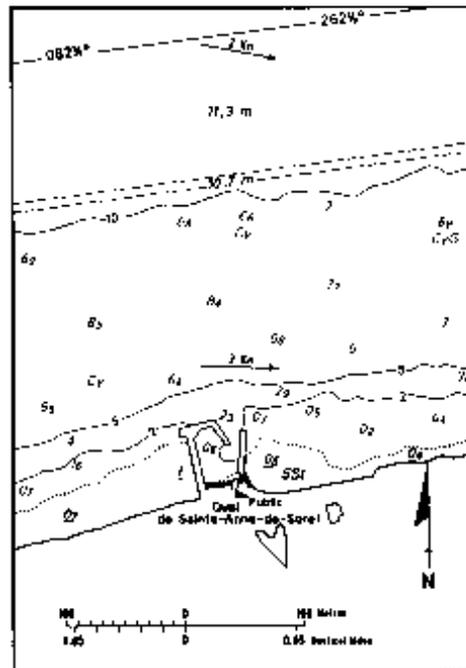


SOURCE: Surveyed by the Canadian Hydrographic Service in 1953-55

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

SAINTE-ANNE-DE-SOREL (Scale 1:5 000)

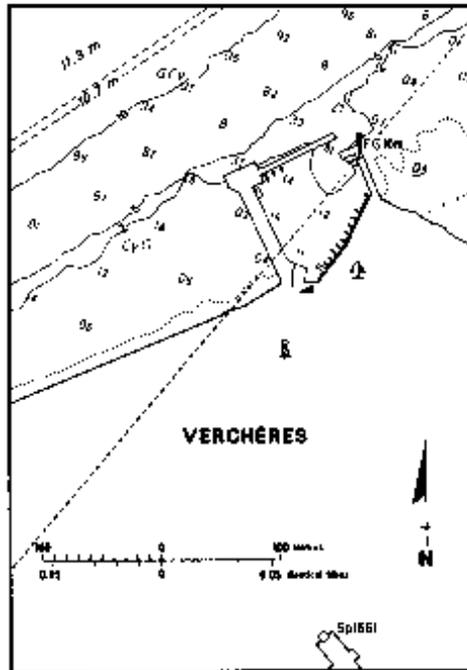


SOUNDINGS Surveyed by the Canadian Hydrographic Service in 1958-59

SECTION 4 - Edition 07/2000
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

VERCHÈRES (Scale 1:5 000)



SOURCE: Surveyed by the Canadian Hydrographic Service in 1960-69

SECTION 5 – Edition 07/2000
LIST OF LIGHTS, BUOYS AND FOG SIGNALS CORRECTIONS

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

230.2	<i>Thistle Rock South cardinal light buoy NR</i>	51 43 22.5 56 23 30	Q(6) W 15s +LFI	Yellow and black, marked "NR".	Chart:4020 Edn 07/00
507.5	<i>Petty Harbour Shoal light buoy MP2</i>	47 27 53 52 42 05	FI R 4s	.....	.....	Red, marked "MP2".	Chart:4845 Edn 07/00

ATLANTIC

15 H4181.5	White Horse Islet	44 36 09.7 66 48 25.6	FI G 12 s	13.4	.....	Mast, red and white rectangular daymark, black square in centre. 6.6	Flash 2 s; eclipse 10 s Radar reflector. Year round. Chart:4124 Edn 07/00
23 H4172	Half Tide Rock (Cheney Passage)	On rock, in middle of passage. 44 39 19.1 66 43 44.2	FI G 5s	3.4	5	Skeleton structure, two black and white rectangular daymarks on both sides facing traffic. 2.9	Flash 1 s; eclipse 4 s Year round. Horn – Blast 1s; sil. 14s. Chart:4342 Edn 07/00
57.2 H4139	Two Hour Rock	In Irish Channel. 45 01 44.1 66 56 06	FI R 4s	2.5	.....	Small red skeleton tower. 6.7	Radar reflector. Year round. Chart:4124 Edn 07/00
57.9	<i>Lower Bayside light buoy S12</i>	45 07 25.6 67 07 11.4	FI R 4s	.....	.....	Red, marked "S12".	Year round. Chart:4331 Edn 07/00
58.5	<i>Sand Point light buoy S14</i>	45 07 28.5 67 08 19.7	FI R 4s	.....	.....	Red, marked "S14".	Year round. Chart:4331 Edn 07/00
60 H4137	Mark Point	N. shore of river. 45 10 12.2 67 12 39	F W	9.4	.....	Tower, red and white horizontal bands, red band at top. 6.1	Year round. Chart:4331 Edn 07/00
63.5 H4129	St. Andrews wharf						Delete from List. Chart:4332 Edn 07/00
64 H4127	St. Andrews (North Point)	45 04 02.9 67 02 52.3	FI R 4s	7.0	.....	Red square skeleton tower. 12.0	Year round. Chart:4332 Edn 07/00
71 H4120	Letete Passage	On W. extremity of Greens Point. 45 02 19.6 66 53 30.6	F W	17.4	16	White hexagonal tower. 12.0	Emergency light. Year round. Horn – Blast 3s; sil. 27s. Horn points 180°. Year round. Chart:4124 Edn 07/00

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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
79 H4115	Roaring Bull	On W. side of ledge. 45 02 22.7 66 48 46.1	FI R 4s	5.3	.....	Red mast. 7.6	Radar reflector. Year round.
							Chart:4124 Edn 07/00
79.8 H4122	Letete Harbour	On ledge. 45 03 06.5 66 53 47.8	FI G 4s	2.5	.....	Green cylindrical tower. 7.4	Radar reflector. Year round.
							Chart:4124 Edn 07/00
80 H4123	Matthews Ledge	45 03 03.7 66 53 47.8	FI R 4s	2.5	.....	Red cylindrical mast. 9.4	Year round.
							Chart:4124 Edn 07/00
81 H4114	Pea Point	E. side of entrance to Letang Harbour. 45 02 20.4 66 48 28.2	F W	17.2	12	White square tower on corner of white square building. 10.6	Visible from 251° through N. and E. to 161°. Emergency light. Year round.
							Horn – Blast 3s; sil. 3s; blast 3s; sil. 51s. Horn points 180°. Year round.
							Chart:4124 Edn 07/00
83 H4112	Lighthouse Point	On S. side of Beaver Harbour. 45 03 46.7 66 43 59	FI W 15s	14.2	13	Cylindrical tower. 8.6	Flash 7 s; eclipse 8 s. Emergency light. Year round.
							Horn – Blast 6s; sil. 54s. Horn points 159°. Year round.
							Chart:4116 Edn 07/00
84 H4113	Beaver Harbour	On outer end of breakwater. 45 04 09.5 66 44 19.6	FI R 4s	4.8	7	Triangular skeleton tower. 3.5	Year round.
							Chart:4116 Edn 07/00
85 H4111	Maces Bay wharf	On outer end of wharf. 45 07 03.1 66 28 45.7	FI R 4s	7.2	7	Triangular skeleton tower. 6.6	Year round.
							Chart:4116 Edn 07/00
260 H3820	Cape Forchu Racon -... (B) X Band	E. Cape, S. point, Yarmouth Sound. 43 47 38.8 66 09 19.2	FI W 12s	34.6	13	Hexagonal tower, red and white vertical stripes. 23.4	Flash 2 s; eclipse 10 s. Emergency light. Year round.
							Chart:4245 Edn 07/00
261 H3822	Ships Stern	On N. end of Ships Stern. 43 48 31.7 66 08 45.9	FI W 4s	9.4	5	Skeleton tower, white enclosed lower portion. 3.5	Year round.
							Chart:4245 Edn 07/00
263 H3826	Bunker Island	SW. point of island. 43 48 44.6 66 08 36.2	F R	9.8	6	White square tower, red vertical stripe. 9.1	Emergency light. Year round.
							Chart:4245 Edn 07/00

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LIST OF LIGHTS, BUOYS AND FOG SIGNALS CORRECTIONS

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
279 H3817.4	Little River Harbour	S. extremity of Big Cook Island. 43 42 36.2 66 02 04.1	FI W 4s	6.9	5	Skeleton tower. 3.1	Year round. Chart:4244 Edn 07/00
293.2	Snipe Reef	43 40 27.2 65 59 10.3	FI R 4s	4.2	.....	Mast. 7.5	Year round. Chart:4244 Edn 07/00
294 H3804	Tusket River	Big Fish Island, SW. point. 43 42 12.5 65 57 08	FI W 10s	18.6	15	White square tower. 7.5	Flash 1 s; eclipse 9 s. Year round. Chart:4244 Edn 07/00
294.3 H3805	Tusket Wedge	43 42 47.3 65 58 02.2	FI G 4s	8.3	.....	Skeleton tower. 6.2	Year round. Chart:4244 Edn 07/00
294.5	Deadman's Ledge	43 44 01.8 65 56 39.9	FI R 4s	5.3	.....	Red cylindrical mast. 7.2	Year round. Chart:4244 Edn 07/00
294.55	Indian Sluice Point Wharf	At the end of wharf. 43 46 20.9 65 57 04.5	FI R 4s	4.2	.....	Skeleton tower. 3.5	Flash 0.5 s; eclipse 3.5 s Year round. Chart:4244 Edn 07/00
308 H3792	Stoddart Island	On NW. point of island. 43 28 35 65 43 08.5	FI R 4s	8.3	.....	Small white square tower. 6.9	Year round. Chart:4210 Edn 07/00
310 H3793.3	Piquet Rock	On rock. 43 29 23.6 65 42 56.4	FI R 4s	6.1	.....	Skeleton tower. 8.0	Year round. Chart:4210 Edn 07/00
314 H3796.5	Western Way Ledge	S. of Squirrel Island. 43 31 41.2 65 44 59.6	FI R 4s	4.2	.....	Red cylindrical mast. 6.9	Radar reflecteur. Year round. Chart:4210 Edn 07/00
315 H3796	Falls Point wharf	On wharf extension. 43 31 46 65 44 23.7	F G	8.9	5	Skeleton tower. 6.6	Year round. Chart:4210 Edn 07/00
315.2 H3796.2	The Falls	NW. end of ledge. 43 32 04.7 65 44 36.8	FI R 4s	5.0	.....	Red mast. 6.9	Radar reflector. Year round. Chart:4210 Edn 07/00
315.3	Angels Island	43 32 11.8 65 44 36.4	FI W 4s	4.0	6	Yellow mast. 4.9	Flash 0.5 s; eclipse 3.5 s Chart:4210 Edn 07/00
315.5 H3797	Northern End Ledge	N. side of ledge. 43 32 09.4 65 46 08.8	FI G 4s	4.9	Green mast. 6.9	Radar reflector. Year round. Chart:4210 Edn 07/00

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318 H3786.4	Salt Rock	On rock. 43 28 25.1 65 38 13.5	Fl R 4s	4.6	Mast. 5.8	Year round. Chart:4210 Edn 07/00
329.4 H3784.5	Daniels Head – Fog Signal	43 26 39.4 65 35 05.9				Square skeleton tower. 5.5	Year round. Horn – Blast 3s; sil. 27s. Horn points 097°. Operated by local fishermen as required. Chart:4241 Edn 07/00
343 H3781	Upper Port La Tour	Outer end of E. breakwater. 43 30 19.6 65 28 11	F R	7.3	5	Triangular skeleton mast, enclosed lower portion. 6.8	Year round. Chart:4241 Edn 07/00
359 H3763	Lower Sandy Point	On outer end of wharf. 43 40 48.7 65 18 10.7	Fl W 4s	4.3	5	Triangular skeleton mast, enclosed lower portion. 3.5	Radar reflecteur. Year round. Chart:4209 Edn 07/00
369	<i>Bull Rock light and bell buoy KK51</i>	<i>SW. of rock. 43 37 32 65 08 11.5</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "KK51".</i>	<i>Year round.</i> Chart:4241 Edn 07/00
370 H3750	Lockeport	On Gull Rock, entrance to harbour. 43 39 18.3 65 05 55.9	Fl W 15s	17.0	12	White square block.	Flash 4 s; eclipse 11 s. Emergency light. Year round. Horn – Blast 3s; sil. 27s. Horn points 130°30'. Year round. Chart:4209 Edn 07/00
373.5 H3758	Osborne Harbour	On outer end of wharf. 43 42 52.6 65 06 33.5	F G	4.6	7	Skeleton mast, enclosed lower portion. 3.3	Year round. Chart:4209 Edn 07/00
374 H3753	Carter Island	On S. end of island. 43 42 19.3 65 06 04	Fl W 6s	16.4	8	White cylindrical tower, 2 red horizontal bands. 9.5	Flash 1 s; eclipse 5 s. Year round. Chart:4209 Edn 07/00
375 H3754	Lockeport, breakwater	Near outer end of S. breakwater. 43 42 05.6 65 06 25.8	F G	5.3	6	Skeleton mast, enclosed lower portion. 3.7	Year round. Chart:4209 Edn 07/00
380 H3755	Lockeport North	On outer end of N. breakwater. 43 42 09.1 65 06 25.8	Q R 1s	7.1	6	Skeleton mast. 6.7	Year round. Chart:4209 Edn 07/00

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LIST OF LIGHTS, BUOYS AND FOG SIGNALS CORRECTIONS

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
381 H3755.2	Lockeport Inner breakwater	On S. end of inner breakwater. 43 42 08.2 65 06 33.6	F W	3.8	8	Skeleton mast. 3.5	Year round. Chart:4209 Edn 07/00
384 H3748	Little Harbour wharf	On outer end of wharf. 43 42 57.5 65 01 48.1	F W	7.2	10	Skeleton mast, enclosed lower portion. 6.0	Year round. Chart:4209 Edn 07/00
396 H3742	Port Mouton	NE. point, Spectacle Islands. 43 55 05.6 64 48 14.4	FI W 12s	16.8	7	White tower. 7.5	Flash 2 s; eclipse 10 s. Visible from 069°30' through E., S. and W. to 291°30'. Year round. Chart:4240 Edn 07/00
396.4 H3742.04	Spectacle Islands West	Off W. side of islands. 43 54 32 64 48 42.4	FI R 4s	4.7	.....	Triangular skeleton mast. 3.0	Year round. Chart:4240 Edn 07/00
405 H3740	Western Head	W. side of entrance to Liverpool Bay. 43 59 20.8 64 39 44.5	FI W 15s	16.8	14	White tower. 13.8	Flash 0.5 s; eclipse 14.5 s. Visible from 180° through W. and N. to 062°. Emergency light. Year round. Horn – Blast 6s; sil. 54s. Horn points 104°. Chart:4240 Edn 07/00
408.2 H3736	Moose Point	Outer end of breakwater. 44 01 09.8 64 39 47.8	FI G 8s	4.8	6	Skeleton mast. 4.2	Flash 2 s; eclipse 6 s Radar reflector. Year round. Chart:4379 Edn 07/00
416.5 H3722	Voglers Cove West Direction	On outer end of breakwater. 44 09 09.4 64 32 45.6	F R	4.5	7	Skeleton mast, enclosed lower portion. 3.6	Increased intensity on a bearing of 350°. Year round. Chart:4211 Edn 07/00
438 H3702	Battery Point breakwater	Near outer end of breakwater. 44 21 37 64 17 46.7	F R	7.5	13	Square tower. 8.0	Emergency light. Year round. Horn – Blast 2s; sil. 18s. Horn points 130°. Chart:4328 Edn 07/00
443 H3698	Cross Island	E. point of island. 44 18 43.8 64 10 06.6	FI W 10s	24.9	16	White tower. 8.7	Flash every 10 s. Emergency light. Year round. Horn – Blast 3s; sil. 3s; blast 3s; sil. 51s. Horn points 164°. Chart:4328 Edn 07/00

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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
444 H3699	East Point Island	44 20 59.2 64 12 15	F G	9.6	7	Skeleton mast, enclosed lower portion. 6.9	Year round. Chart:4328 Edn 07/00
446 H3694	Gunning Point Island (Tanner Island)	On E. end of island. 44 22 01.5 64 12 04.3	Fl W 4s	10.9	6	White circular structure, red horizontal band at top. 7.8	Year round. Chart:4328 Edn 07/00
495 H3652	Betty Island	On Brig Point. 44 26 19.7 63 46 00.4	Fl W 15s	19.2	13	White structure. 9.0	Flash 4 s; eclipse 11 s. Visible from all points of marine approach from the S. Emergency light. Year round. Horn – Blast 6s; sil. 54s. Horn points S. Year round. Chart:4385 Edn 07/00
499 H3651	Terence Bay wharf	On outer end of wharf. 44 28 04.4 63 42 52.2	F W	4.5	10	Skeleton mast, enclosed lower portion. 3.0	Year round. Chart:4385 Edn 07/00
501 H3646	Pennant Harbour	N. side of entrance to Pennant Cove. 44 28 15.5 63 38 03.5	F G	10.2	7	White cylindrical tower. 8.0	Year round. Chart:4237 Edn 07/00
505 H3644	Sambro Harbour	On extremity of Bull Point. 44 28 30 63 35 45.5	F G	10.5	7	White structure. 8.4	Year round. Chart:4237 Edn 07/00
523.4 H3602	Sandwich Point range	Halifax Harbour approach. 44 34 56.6 63 32 56.7	F G	38.4	.....	Skeleton tower, white daymark, red vertical stripe. 6.1	Year round.
523.5 H3602.1		336°29' 498.5m from front.	F G	50.8	.....	Skeleton tower, white daymark, red vertical stripe. 14.6	Year round. Chart:4203 Edn 07/00
538 H3618	Halifax Harbour Inner range	On W. side of Georges Island. 44 38 26.2 63 33 37.2	F W	17.7	.....	White octagonal tower, fluorescent red vertical stripe. 16.4	White 290° through N., E. and S. to 181°. Increased intensity on line of range. Emergency light. Year round. Horn – Blast 3s; sil. 27s Horn points S.
539 H3618.1		339°08' 3153.7m from front.	Oc W 10s	37.7	Skeleton tower, white daymark, fluorescent red vertical stripe. 17.3	Flash 7 s; eclipse 3 s Year round. Delete fog signal. Chart:4202 Edn 07/00

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560.5 H3631	Dartmouth Yacht Club	On breakwater. 44 42 01.3 63 36 49.1	FI G 4s	5.2	5	Square structure. 3.0	Maintained by Dartmouth Yacht Club Year round. Chart:4201 Edn. 07/00
568 H3578	Musquodoboit Harbour	On pier on Shag Ledge. 44 41 41.7 63 04 41.6	Q W 1s	5.5	6	White structure, red upper horizontal band. 3.6	Year round. Chart:4236 Edn 07/00
569 H3579	French Point	44 42 21 63 04 33.3	F R	14.2	9	White tower. 9.4	Visible 278° through N. and E. to 098°. Year round. Chart:4236 Edn 07/00
602 H3534	Beaver Island	Eastern end of island. 44 49 29.2 62 20 16	FI W 6.6s	19.9	14	White cylindrical tower. 8.5	Flash 0.6 s; eclipse 6 s. Emergency light. Year round. Horn – Blast 6s; sil. 54s Horn points 144°. Seasonal. Chart:4235 Edn 07/00
829	<i>Eel Shoal light buoy A25</i>	<i>W. end of shoal. 46 00 20.1 60 57 45.7</i>	<i>FI G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "A25".</i>	<i>Winter spar Year round.</i> Chart:4278 Edn 07/00
1098	Shemogue range						Delete from List.
1099							Chart:4406 Edn 07/00
1379 H1680	Port Daniel West	On Pointe Ouest. 48 09 04.8 64 56 59.1	FI W 5s	20.0	20	White octagonal tower. 10.0	Flash every 5 s. Year round. Operates at night only. Chart:4921 Edn 07/00
1479.5 H887	Pointe de l'Est Racon --. (G) X & S Band	47 36 58 61 23 25.7	FI W 4s	22.2	10	Square skeleton tower. 15.3	Year round. Operates at night only. Chart:4952 Edn 07/00
1496 H900	Cap Alright	On extremity of low point, E. of cape. 47 23 27.2 61 46 24.6	FI W 5s	24.1	20	White square tower. 8.3	Flash every 5 s Year round. Chart:4951 Edn 07/00
1509 H894	Île d'Entrée	On S. side of island. 47 16 03.5 61 42 18.1	FI W 2.5s	30.9	19	White octagonal tower. 14.5	Emergency light. Year round. Chart:4951 Edn 07/00

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1607.3	Baie Mingan West Cardinal light and bell buoy	50 16 39 64 02 42	Q(9) W	15s	Yellow, black and yellow, marked "BMING".	Seasonal. Chart:4432 Edn 07/00
1614.7	Rivière-au- Tonnerre light and bell buoy	50 15 49.4 64 46 49.8	Mo(A) W	6s	.....	Red and white vertical stripes, marked "RAT".	Seasonal. Chart:4026 Edn 07/00
1662	Basques Est light buoy	50 10 55.3 66 21 43.7	Fl (2+1) G	6s	.....	Green, red and green, marked "BASQ-E".	Winter spar. Year round. Chart:1220 Edn 07/00
1663.5	Basque Ouest light buoy	50 10 47.9 66 22 36.3	Fl (2+1) R	6s	.....	Red, green and red, marked "BASQ-O".	Winter spar. Year round. Chart:1220 Edn 07/00
1680	Port-Cartier Entrance light and bell buoy	50 00 12.3 66 47 44.1	Mo(A) W	6s	.....	Red and white vertical stripes, marked "PTCAR".	Winter spar. Year round. Chart:1226 Edn 07/00
1685 H1860	Cap-Chat	NE. point of cape. 49 05 20.4 66 44 28	Fl	W 6s	41.4	15 White square tower. 13.5	Flash every 6 s. Night emergency light. Year round. Chart:1236 Edn 07/00
1702	Matane light and bell buoy	48 51 56.9 67 32 40.5	Mo(A) W	6s	.....	Red and white vertical stripes, marked "MATAN".	Seasonal. Privately maintained by Club de Yacht de Matane Inc. Chart:1236 Edn 07/00
1705.4 H2043	Matane East breakwater	On outer end of E. breakwater. 48 50 49.6 67 34 34.9	Fl	G 5s	10.8	19 Square skeleton tower. 6.1	Flash every 5 s Year round. Chart:1236 Edn 07/00
1705.6 H2042	Matane West breakwater	On outer end of W. breakwater. 48 50 56.4 67 34 39.2	Fl	R 6s	13.8	7 Square tower. 6.1	Flash 1 s; eclipse 5 s. Year round. Operates at night only. Chart:1236 Edn 07/00
1728.2 H2060	Pointe à Michel						Delete from List. Chart:1236 Edn 07/00
1752	Cap à la Carre North Cardinal light buoy	Off shoal. 48 19 57.1 69 00 55.1	Q	W 1s	.....	..... Black and yellow, marked "CALR".	Seasonal. Chart:1236 Edn 07/00
1774	Haut-fond Prince light and bell buoy	NE. of shoal. 48 07 08.7 69 36 07.3	Mo(A) W	6s Red and white vertical stripes, marked "SAGUE".	Saisonnier. Chart:1203 Edn 07/00
1792 H2134	L'Anse-St-Jean						Delete from List Chart:1203 Edn 07/00

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1829 H2167	Île aux Lièvres	On small island, SW. end of île aux Lièvres. 47 47 55.3 69 46 29.2	FI G 6s	9.4	5	Square skeleton tower, fluorescent orange and white rectangular daymark, fluorescent orange triangle in centre on the NW. and NE. faces. 7.6	Flash 1 s; eclipse 5 s. Radar reflector. Seasonal. Operates at night only.
							Chart:1234 Edn 07/00
1830	Île aux Lièvres light and bell buoy	W. side of entrance to île aux Lièvres Pass. 47 47 14.2 69 47 10.3	Mo(A) W 6s	.....	.....	Red and white vertical stripes, marked "ILIEV".	Winter spar. Year round.
							Chart:1234 Edn 07/00
1841	Haut-fond Morin light and bell buoy	At SW. end of shoal. 47 36 08.1 70 02 16.2	FI G 6s (2+1)	.....	.....	Green, red and green, marked "HFMOR".	Winter spar. Year round.
							Chart:1234 Edn 07/00
1851 H2208	Pte de la Prairie	N. edge of La Grande Batture. 47 24 33.8 70 25 51.2	FI W 5s	15.8	16	Red cylindrical pile, white upper portion.	Flash every 5 s Night emergency light. Year round.
							Chart:1233 Edn 07/00
1890.6	Montmagny information light buoy	47 01 34.3 70 33 43.2	FI Y 4s	.....	.....	White and orange, marked "MTGNY".	Seasonal.
							Chart:1317 Edn 07/00
1929.2	Anchorage light buoy D	46 51 02.6 71 09 23.3	FI Y 4s	.....	.....	Yellow, marked "LIM-D".	Seasonal.
							Chart:1316 Edn 07/00
1954	Estuaire de la rivière Saint- Charles light buoy	At river mouth. 46 49 24.2 71 12 21.9	FI R 6s (2+1)	.....	.....	Red, green and red, marked "QUEB".	Year round.
							Chart:1317 Edn 07/00
2280	Île Saint-Ours light buoy	S. of Lanoraie. 45 56 45.5 73 12 50.7	FI R 6s (2+1)	.....	.....	Red, green and red, marked "ISO".	Winter spar. Year round.
							Chart:1311 Edn 07/00
2311	Aiglon light buoy	W. of island. 45 42 26.4 73 28 25.2	FI R 6s (2+1)	.....	.....	Red, green and red, marked "AIGLO".	Seasonal.
							Chart:1310 Edn 07/00
2323	Light buoy M77	45 49 48.9 73 17 32.6	FI G 4s	.....	.....	Green, marked "M77".	Seasonal.
							Chart:1311 Edn 07/00
2374	Longueuil B Anchorage light buoy	45 33 07.2 73 30 53.3	FI Y 4s	.....	.....	Yellow, marked "LGL-B".	Winter spar. Year round.
							Chart:1310 Edn 07/00
2380	Île Sainte-Hélène North cardinal light buoy	Off N. end of island. 45 32 08.5 73 31 53.7	VQ W 0.5s	Black and yellow, marked "ISH".	Winter spar.
							Chart:1310 Edn 07/00

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INLAND WATERS

830	Wiarton	On end of rock pile breakwater. 44 45 00.2 81 08 07.9	Iso R 4s	9.7	6	Cylindrical mast, red and white rectangular daymark, red triangle in center. 7.0	Flash 2 s; eclipse 2 s Seasonal. Chart:2283 Edn 07/00
834	Squaw Point Shoal light buoy T9	W. of shoal. 44 37 02 80 55 08	Fl G 4s	.....	.....	Green, marked "T9".	Seasonal. Chart:2283 Edn 07/00
835	Owen Sound Harbour light buoy T12	44 35 12 80 56 18	Fl R 4s	.....	.....	Red, marked "T12".	Seasonal. Chart:2283 Edn 07/00
835.5	Owen Sound Marina	44 35 02.9 80 56 31.9	Fl R 4s	11.2	.....	Red cylindrical tower, white band. 7.7	Privately operated. Seasonal. Chart:2283 Edn 07/00
836	Owen Sound range	E. side of Sydenham River mouth. 44 34 39.6 80 56 28	F G	15.0	.....	Skeleton tower, red and white horizontally striped daymarks, white upper portion, orange vertical stripe. 13.0	Visible in line of range. Seasonal.
837		195°18' 315.5m from front.	F G	28.0	.....	Skeleton tower, red and white horizontally striped daymarks. 26.0	Visible in line of range. Seasonal. Chart:2213 Edn 07/00
838	Owen Sound Pier	Outer end of W. pier. 44 34 46 80 56 29.2	Oc R 15s	9.0	.....	Cylindrical mast, red and white rectangular daymark. 6.7	Flash 10 s; eclipse 5 s Seasonal. Chart:2283 Edn 07/00
840	Meaford breakwater	On W. end of N. breakwater. 44 36 42.7 80 35 19.7	Fl G 4s	9.0	.....	Cylindrical mast, red and white rectangular daymark, green square in centre. 4.9	Seasonal. Chart:2283 Edn 07/00
841	Meaford Harbour	At outer end of E. breakwall at entrance to eastern harbour. 44 36 39.5 80 35 02.1	Oc R 4s	12.7	.....	Cylindrical tower, red upper portion. 9.2	Seasonal. Chart:2283 Edn 07/00
845	Nottawasaga Island	N. point of island, NW. of Collingwood Harbour. 44 32 18.5 80 15 32.5	Fl(2) W 10 s	29.6	5	White cylindrical tower. 28.7	Flash 1 s; eclipse 1.5 s; flash 1 s; eclipse 6.5 s Seasonal Chart:2283 Edn 07/00
846	Lockerbie Rock light buoy TN11	NW. of rock. 44 32 14.6 80 13 47.8	Fl G 4s	.....	.....	Green, marked "TN11".	Seasonal. Chart:2283 Edn 07/00

SECTION 5 – Edition 07/2000
LIST OF LIGHTS, BUOYS AND FOG SIGNALS CORRECTIONS

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

849	<i>Collingwood light buoy TN12</i>	<i>Outer approach to harbour. 44 31 11 80 13 35</i>	<i>Q R 1s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "TN12".</i>	<i>Seasonal.</i>	Chart:2283 Edn 07/00
852	<i>Collingwood Harbour light buoy TN21</i>	<i>On E. side of channel. 44 30 50 80 13 31</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "TN21".</i>	<i>Seasonal.</i>	Chart:2283 Edn 07/00
1747.1	Mackenzie River (Mile 230.7) range	62 01 22 121 53 41	F W	33.0	.....	Square tower, white daymark, red vertical stripe. 10.7	Seasonal. Visible in line of range.	
1747.2		302° 186m from front.	F W	47.0	.....	Tripod skeleton tower, white daymark, red vertical stripe. 18.3	Seasonal. Visible in line of range.	Chart:6410 Edn 07/00

**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/M No. _____ of 2000) _____ Publications affected: (Quote Volume and page)

* Full details (Attach additional sheets as necessary)

Time (UTC) _____ Date _____

INSTRUCTIONS:

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

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

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

Director, Navigation Systems
Canadian Coast Guard
Department of Fisheries and Oceans
Ottawa, Ontario, K1A 0E6

In the case of information Canadian navigational aids or the List Department 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.