



# EASTERN EDITION OF NOTICES TO MARINERS

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CANADIAN COAST GUARD

NOTICES

**1700 to 1757**

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Marine Navigation Services  
Directorate  
Marine Aids

**RECYCLED PAPER**

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.*

## DGPS INITIAL OPERATIONAL SERVICE

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

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

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

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

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

## **DGPS USER ALERT**

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

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

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

## **DISCREPANCY REPORT FOR DGPS USERS.**

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

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

Throughout the service validation period, the Coast Guard will be conducting numerous tests of the differential service. To assist the Coast Guard in this validation testing, mariners are requested to complete the attached anomaly report. Please take note of any DGPS service anomalies you experience and forward the completed form to the Director Marine Aids, Fisheries and Oceans Canada, 200 Kent Street, Station 5130, Ottawa, ON, K1A 0E6.

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

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

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

### User informations / Renseignements sur l'utilisateur

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

### Anomaly report / Rapport d'anomalie

Date and time of the anomaly / Date et heure de l'anomalie: \_\_\_\_\_ Duration / Durée: \_\_\_\_\_  
Number of satellites tracked on GPS receiver / Nombre de satellites 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 informations on user equipment to fill / Renseignements indispensables sur l'équipement à remplir:**

### User equipment informations / Renseignements sur l'équipement

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

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

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

- 1) Fax / Par télécopieur : 613-998-8428 attention AWAD.
- 2) Mail / Par la poste: Director Marine Aids  
 Fisheries and Oceans Canada  
 200 Kent Street, Station 5130  
 Ottawa, ON  
 K1A 0E6.

Canada

**Legend/  
Légende**

<b>Position</b>	:	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.
<b>KTS</b>	:	Wind speed in knots / Vitesse du vent en noeuds.
<b>N.M.</b>	:	Visibility in Nautical Miles / Visibilité en milles nautiques.
<b>Freq. kHz</b>	:	Frequency in kilohertz / Fréquence en kilohertz .
<b>SS</b>	:	Signal strength in decibel / Force de signal en décibel.
<b>SNR</b>	:	Signal to noise ratio in decibel / Rapport signal-bruit en décibel .
<b>DOP (dilution of precision):</b>	:	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
<b>SVCEI / ECDIS</b>	:	Electronic Chart Display and Information System / Système de Visualisation de Cartes Electroniques et d'Information .

## IMPORTANT NOTICE TO USERS

### The Canadian Coast Guard Marine Aids Modernization Program

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

#### 1. Redundant Aids to Navigation

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

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

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

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

#### 2. Aids to Navigation Standards

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

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

#### 3. Private Aids to Navigation

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

## **NEW INITIATIVES**

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

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

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

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

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



## **NEWFOUNDLAND REGION**

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

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

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

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

## MARITIMES REGION

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

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

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

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

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

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

## LAURENTIAN REGION

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

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

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

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

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

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

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

## CENTRAL & ARCTIC REGION

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

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

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

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

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

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

## MONTHLY EDITION OF NOTICES TO MARINERS

### MAILING LIST CHANGES

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

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

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**WESTERN EDITION**(will be comprised of Arctic and Pacific areas) \_\_\_\_\_

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# NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

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**\*1747 CANADIAN HYDROGRAPHIC SERVICE - Charts**

<u>CHART</u>	<u>TITLE &amp; CONTENTS</u>	<u>SCALE</u>	<u>DATED</u>	<u>CAT #</u>	<u>PRICE</u>
<b>1. New charts.</b>					
	<u>Newfoundland/Terre-Neuve</u>				
4886	Twillingate Harbour	1:15 000	Dec. 26/97	1	\$20.00
	Limit(s): 49°38'23".68 N 54°48'48" W 49°44'27".76 N 54°48'48" W 49°44'27".76 N 54°42'30".11 W 49°38'23".68 N 54°42'30".11 W				
	and inset: (1) Twillingate CCG Wharf/Quai GCC	1:5 000			
	Limit(s): 49°39'27" N 54°46'28" W 49°39'40" N 54°46'28" W 49°39'40" N 54°46'09" W 49°39'27" N 54°46'09" W				
	and inset: (2) Fish Plant Wharf/Quai de L'Usine de transformation de poisson	1:5 000			
	Limit(s): 49°38'56" N 54°46'10" W 49°39'09" N 54°46'10" W 49°39'09" N 54°45'51" W 49°38'56" N 54°45'51" W				
5070	Satosoak Island to /à Akuliakatak Peninsula	1:25 000	July 31/98	1	20.00
<b>2. New Editions.</b>					
	<u>St. Lawrence River/Fleuve Saint-Laurent</u>				
1310	Port de Montréal Harbour	1:5 000	May 29/98	1	20.00
	Note: This chart is affected by Notice 142(T)/98 and incorporates and cancels Notice 616(T)/97.				
	<u>Ottawa River/Rivière des Outaouais</u>				
1552	Portage-du-Fort to/à Chute du Grand Calumet including/y compris le Chenal du Rocher Fendu	1:25 000	June 5/98	3	23.00
	<u>Nova Scotia/Nouvelle-Écosse</u>				
4277	Great Bras D'Or - St. Andrews Channel and/et St. Anns Bay	1:40 000	April 17/98	1	20.00
	Note: This chart incorporates Notice 1149(P)/98 and incorporates and cancels Notice 201(T)/95.				
4328	Lunenburg Bay	1:18 000	July 10/98	1	20.00

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
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## 2. New Editions (Cont'd).

Note: This chart incorporates and cancels Notice 569(P)/94.

### Gulf of St. Lawrence/Golfe du Saint-Laurent

4416	Havre de Gaspé	1:12 000	May 1/98	1	\$20.00
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### Nova Scotia/Nouvelle-Écosse

4449	Cheticamp, Grand Étang and Margaree Harbours	-----	July 3/98	1	20.00
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### Northwest Territories/Territoires du Nord-Ouest

7502	Gulf of Boothia and/et Committee Bay	1:500 000	July 31/98	1	20.00
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## 3. Reprints.

### St. Lawrence River/Fleuve Saint-Laurent

1338	Lac Saint-Pierre à/to Lavaltrie	1:36 000	July 10/98	1	20.00
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Note: This chart is affected by Notices 75(T)/92, 1137(P)/98 and 1140(P)/98.

### Nova Scotia/Nouvelle-Écosse

L/C 4230	Little Hope Island to/à Cape St. Marys	1:150 000	June 26/98	1	20.00
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Note: This chart is affected by Notice 734(P)/95, and incorporates and cancels Notice 519(P)/98.

## 4. Permanently withdrawn chart.

<u>Chart</u>	<u>Title</u>	<u>On publication of chart</u>
4548	Plans on the East Coast of Newfoundland	4886

(AMA8035-10-35)

(DFO-H98-071)

## \*1751 ST. LAWRENCE RIVER - RIVIÈRE PORTNEUF - Buoys.

Red light buoy KRP-2 (L.L. 1747.4) (48°37'14" N 69°04'40" W) has been replaced with a red spar buoy, marked "KRP-2" "PRIV".

Green light buoy KRP-3 (L.L. 1747.5) (48°37'20" N 69°04'57" W) has been replaced with a green spar buoy, marked "KRP-3" "PRIV".

Red light buoy KRP-4 (L.L. 1747.6) (48°37'33" N 69°05'10" W) has been replaced with a red spar buoy, marked "KRP-4" "PRIV".

Red light buoy KRP-6 (L.L. 1747.7) (48°37'44" N 69°05'17" W) has been replaced with a red spar buoy, marked "KRP-6" "PRIV".

Red light buoy KRP-8 (L.L. 1747.8) (48°37'55" N 69°05'19" W) has been replaced with a red spar buoy, marked "KRP-8" "PRIV".

Green light buoy KRP-9 (L.L. 1747.9) (48°38'12" N 69°05'20" W) has been replaced with a green spar buoy, marked "KRP-9" "PRIV".

(AMA8035-10-5-9)

(CCG-L97-121;CCG-L98-011)

### **\*1750 QUÉBEC - LAC TREMBLANT - Light buoys.**

Red light buoys J2 (L.L. 2402) and J4 (L.L. 2404) are privately maintained by Municipalité de Lac-Tremblant-Nord.

(AMA8035-10-5-9)

(CCG-L97-108,110)

### **\*1700 CANADIAN HYDROGRAPHIC SERVICE - Information about conversion to NAD 83.**

Previous Notice 1100/98 cancelled.

The following Reprints have been promulgated in the Notices to Mariners publications between edition 3 of 1998 to edition 6 of 1998 (inclusive).

These Reprints include a note to convert positions based on the recently adopted horizontal datum NAD 83 to the existing chart datum NAD 27 (North American Datum 1927).

The following list indicates the conversion to transfer positions from NAD 83 to the existing horizontal datum of the individual charts.

CHART	REPRINT DATE (Year-Month-Day)	LATITUDE (seconds)	LONGITUDE (seconds)
1338	98-07-10	-0.11	-1.53
3785	98-06-12	+0.65	+5.91

(AMA8035-10-35)

(DFO-H98-014)

### **\*1753(P) NOVA SCOTIA, SOUTHEAST COAST - COFFIN ISLAND - Light to be discontinued.**

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

Chart 4379

Coffin Island (L.L. 407) (44°02'00".5 N 64°37'44".5 W)

Comments on this action are solicited from mariners and other interested parties and should be directed to the Superintendent, Marine Navigation Services, Canadian Coast Guard - Fundy Zone,

P.O. Box 7730, Station A, Saint John, N.B., E2L 4X6, Telephone (506) 636-4703, within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-7-7)

(CCG-F98-106)

**\*1749 CANADIAN HYDROGRAPHIC SERVICE - Amendment to the 1998 Annual Edition of Notices to Mariners - Notice No. 35.**

Notice No. 35 - Firing Practice and Exercise Areas

Page F35-1

Under Explanatory Notes

Amend paragraph (1) to read as follows:

Firing and bombing practices and defense exercises take place in a number of areas off the coasts of Canada. These exercises are excluded from the French Maritime Area.

All references to exercise areas QUÉBEC ONE, QUÉBEC TWO AND QUÉBEC THREE on pages F35-10 and F35-11, should be replaced by the following:

Sea Areas	Air Space	Location	Coordinates	Employment
QUÉBEC ONE		Chart 4001	46°56¢N 55°30¢W 46°00¢N 55°30¢W 45°17¢N 60°00¢W 45°53¢N 60°00¢W and 47°00¢N 60°25¢W to 47°37¢N 59°17¢W	Sub surface operations area.  * Does not include French Maritime Area.
		Chart 4003	45°53¢N 60°00¢W 45°17¢N 60°00¢W 45°35¢N 58°15¢W	
		Chart 4013	45°53¢N 60°00¢W 45°17¢N 60°00¢W 45°27¢N 59°00¢W	
QUÉBEC TWO		Chart 4001	45°17¢N 60°00¢W 46°00¢N 55°30¢W 45°20¢N 55°30¢W 44°45¢N 60°00¢W	Sub surface operations area.  * Does not include French Maritime Area.
		Chart 4003	45°17¢N 60°00¢W 45°35¢N 58°15¢W 45°02¢N 58°15¢W 44°45¢N 60°00¢W	
		Chart 4013	45°17¢N 60°00¢W 45°27¢N 59°00¢W 44°55¢N 59°00¢W 44°45¢N 60°00¢W	

		Chart 8007	44°52.0¢N 60°00.0¢W 44°45.0¢N 60°00.0¢W 44°47.5¢N 59°45.0¢W	
QUÉBEC THREE		Chart 4001	44°45¢N 60°00¢W 45°20¢N 55°30¢W 44°00¢N 55°30¢W 44°00¢N 60°00¢W	Sub surface operations area.  * Does not include French Maritime Area.
		Chart 4003	44°45¢N 60°00¢W 45°02¢N 58°15¢W 44°00¢N 58°15¢W 44°00¢N 60°00¢W	
		Chart 4013	44°45¢N 60°00¢W 44°55¢N 59°00¢W 44°00¢N 59°00¢W 44°00¢N 60°00¢W	
		Chart 8007	44°00.0¢N 59°45.0¢W 44°00.0¢N 60°00.0¢W 44°45.0¢N 60°00.0¢W 44°47.5¢N 59°45.0¢W	
(AMA8035-10-35)		(DFO-H98-061)		

### \*1755 CANADA - GPS ROLLOVER - August 1999.

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

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

(AMA8035-10-1)

(CCG-H98-047)

### \*1757 CANADIAN COAST GUARD PUBLICATIONS - New edition of Atlantic List of lights, buoys and fog signals - 1998.

The 1998 edition of the Atlantic List of lights, buoys and fog signals has been published. Information contained in Notices to Mariners up to and including monthly edition No. 3 of 1998 has been embodied in this publication. The price of this publication is \$29.95.

Appendix B, Section V, of this monthly edition of Notices to Mariners list changes which will bring the above publication up to date. This publication is available from:

Hydrographic Chart Distribution Office  
Fisheries and Oceans Canada  
1675 Russell Road  
P.O. Box 8080  
Ottawa, Ontario  
Canada  
K1G 3H6

Phone: (613) 998-4931, Fax: (613) 998-1217  
E-Mail: [chs\\_sales@chshq.dfo.ca](mailto:chs_sales@chshq.dfo.ca)  
Internet: <http://www.chshq.dfo.ca>

or through your authorized Canadian Hydrographic Service Chart Dealer

(M2204-395)

(CCG-H98-049)

**\*1756 CANADIAN COAST GUARD - Canadian Radiotelegraphy (CW) Service.**

The Canadian Coast Guard's Marine Communications and Traffic Services will discontinue providing radiotelegraphy service as of March 1st, 1999. The Global Maritime Distress and Safety System will have been fully implemented on February 1, 1999, and as a result vessels will no longer be required to carry radiotelegraphy installations.

(AMA8035-10-1)

(CCG-H98-048)

**\*1752 CANADIAN HYDROGRAPHIC SERVICE - Charts affected by Notice 1747/98 (Reference Section I).**

Charts (Last correction) - 2054(NAD 27)(1)(1325/98) - 2069(NAD 27)(2)(1702/98) - LC 2058(3) (1718/98) - LC 2060(4)(1740/98) - 2021(Sheet 1)(Murray Canal, Presqu'île Bay to à Trenton)(NAD 27)(2)

- |          |  |                 |
|----------|--|-----------------|
| 1. Amend | Adjoining Charts/Cartes adjacentes<br>2058/2061 to read Adjoining<br>Charts/Cartes adjacentes<br>2058/2059 | in south border |
| 2. Amend | Adjoining Chart/Carte adjacente<br>2061 to read Adjoining Chart/Carte<br>adjacente 2059                    | in south border |
| 3. Amend | Adjoining Chart/Carte adjacente<br>2061 to read Adjoining Chart/Carte<br>adjacente 2059                    | in east border  |
| 4. Amend | Adjoining Chart/Carte adjacente<br>2061 to read Adjoining Chart/Carte<br>adjacente 2059                    | in west border  |

NOTE: Digital data products 2021R/M, 2054R/M, 2058R/M, 2060R/M, 2069R/M, 73064(2058), 73071(2060) and 73153(2069) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-076)

**\*1712 NEWFOUNDLAND, SOUTHEAST COAST - GRAND BANK - NORTHERN PORTION - Buoy.**

Charts (Last correction) - LC 8011(NAD 27)(1)(739/98) - LC 8012(NAD 27)(2)(530/98) - LC 4049 (NAD 83)(1)(739/98) - LC 4001(Int. 404)(NAD 83)(3)(739/98) - 4000(3)(530/98)

- |        |   |                         |
|--------|---|-------------------------|
| 1. Add | yellow lighted ODAS buoy, FI(5) Y,<br>ODAS/SADO, marked 44153 | 46°43'30" N 48°48'30" W |
| 2. Add | yellow lighted ODAS buoy, FI(5) Y,<br>ODAS/SADO, marked 44153 | 46 43 30 N 48 48 34 W   |
| 3. Add | yellow lighted ODAS buoy,<br>ODAS/SADO, marked 44153          | 46 43 30 N 48 48 30 W   |

NOTE: Digital data products 4049R/M, 8011R/M, 76030(4001), 76101(4049) and 76345(4000) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-163)

**\*1737 NEWFOUNDLAND, SOUTHEAST COAST - NICKERSON BANK AND LAMB ROCK - Buoys.**

Charts (Last correction) - LC 4817(NAD 27)(1,2)(552/97) - LC 4016(NAD 27)(1,2)(1531/98) -



LC 4047(NAD 27)(1,2)(1531/98) - LC 4001(Int. 404)(NAD 83)(3)(1712/98) - LC 4006(NAD 27)(3)(557/97)

- |        |  |                           |
|--------|--|---------------------------|
| 1. Add | a yellow lighted ODAS buoy, FI(5) Y<br>ODAS/SADO, marked 44251 | 46°26'25".2 N 53°23'21" W |
| 2. Add | isolated danger light buoy, BRB<br>FI(2) 5s BELL, marked MLR   | 46°28'01".8 N 54°01'33" W |
| 3. Add | a yellow lighted ODAS buoy,<br>ODAS/SADO, marked 44251         | 46 26 25.2 N 53 23 21 W   |

NOTE: Digital data products 4016R/M, 4047R/M, 4817R/M, 76030(4001), 76031(4006), 76075(4817), 76091(4047) and 76274(4016) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-075, 164)

### **\*1711 LABRADOR COAST - STRAIT OF BELLE ISLE - CHATEAU BAY - Buoys.**

Chart (Last correction) - LC 5030(NAD 83)(1,2)(915/98) - LC 5030(Inset, Chateau Bay)(NAD 83)(1-3)(915/98)

- |            |   |                         |
|------------|---|-------------------------|
| 1. Delete  | green can buoy NJ1  | 51°59'16" N 55°51'58" W |
| 2. Add     | green lighted spar buoy, FI G,<br>marked NJ1                            | 51 59 16 N 55 51 57 W   |
| 3. Replace | red conical buoy, NJ2 with a red<br>lighted spar buoy, FI R, marked NJ2 | 51 59 38 N 55 51 58 W   |

(AMA8035-10-5-2)

(CCG-N98-256,257)

### **\*1707 NEWFOUNDLAND, NORTHEAST COAST - BAIE VERTE - THE SISTERS - Buoys.**

Chart (Last correction) - 4521(1,2)(1269/86)

- |        |                                  |                           |
|--------|----------------------------------|---------------------------|
| 1. Add | green spar buoy, marked KV3      | 50°03'55".8 N 56°02'57" W |
| 2. Add | red light buoy, FI R, marked KV4 | 50 03 24.6 N 56 01 57.6 W |

NOTE: Digital data product 4521R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-073,074)

### **\*1739 GULF OF ST. LAWRENCE - BRADOR BAY - Buoy.**

Chart (Last correction) - 4470(1)(230/97)

- |               |                        |  |
|---------------|------------------------|--|
| 1. Reposition | fairway light buoy BRA | from 51°25'35" N 57°15'24" W<br>to 51 25 32.4 N 57 15 34.3 W |
|---------------|------------------------|--|

NOTE: Digital data product 4470R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-103, DFO-Q98-107)

**\*1754 LABRADOR COAST - LABRADOR SEA - OF BLACK BEAR ISLAND - Amendment to previous Notice.**

Charts (Last correction) - 5044(1)(721/96)

Reference: Notice 1327/98.

1. Add	submerged rock Rep (1993) Breakers/Brisants	55°02'02" N 58°34'24" W
--------	--	-------------------------

(AMA8035-10-1)

(CCG-H98-046)

**\*1709 LABRADOR - CAPE HARRIGAN - WINDY TICKLE - Buoy.**

Chart (Last correction) - 5048(NAD 83)(1)(575/97) - 5048(Inset, Windy Tickle)(NAD 83)(1)(575/97)

1. Add	red lighted spar buoy, FI R, marked NW2	55°45'33".6 N 60°19'34".2 W
--------	--	-----------------------------

(AMA8035-10-5-2)

(CCG-N97-095)

**\*1748 CAPE BRETON ISLAND - ST. ANNS BAY - Chart amendment.**

Chart (Last correction) - 4277(NAD 83)(1)(New Edn., April/98) - 4277(Inset, Entrance to/Entrée à St. Anns Harbour)(NAD 83)(1)(New Edn., April/98)

Reference: Notice 1149(P)/98.

1. Replace	red conical buoy KP2 with a red light buoy, FI R marked KP2	46°18'02" N 60°31'50" W
------------	--	-------------------------

NOTE: Digital data products 4277R/M, 76064(4277) and 76065(4277) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-072)

**\*1708 LABRADOR COAST - DRAWBUCKET TICKLE - Light.**

Charts (Last correction) - 5049(NAD 83)(1)(575/97) - 5051(NAD 83)(1)(New Chart, June/96)

1. Add	light QR	56°08'43".2 N 60°50'51" W
--------	----------	---------------------------

NOTE: Digital data product 76049(5051) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-028)

**\*1733 ÎLES DE LA MADELEINE - HAVRE-AUBERT - Buoy.**

Chart (Last correction) - 4957(NAD 83)(1)(69/97)

1. Reposition	red light buoy YK22	from 47°13'57".1 N 61°49'48".5 W
		to 47 13 57.5 N 61 49 50.1 W

NOTE: Digital data product 4957R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L98-098, DFO-Q98-106)

**\*1725 GULF OF ST. LAWRENCE - CHALEUR BAY - CAP D'ESPOIR AND CAP BLANC - Chart amendments.**

Chart (Last correction) - LC 4024(NAD 27)(1,2)(1339/98)

Reference: Notice 717/98.

On certain copies.

1. Delete	light	48°30'04".7 N 64°13'07".8 W
2. Add	light Fl(4s) 31 1/2s 90ft 18M	48 25 09.1 N 64 19 04.2 W

NOTE: Digital data product 4024R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L98-096A, DFO-Q98-104)

**\*1726 GULF OF ST. LAWRENCE - CHALEUR BAY - CAP D'ESPOIR - Light.**

Charts (Last correction) - LC 4485(NAD 83)(2)(1337/98) - LC 4486(NAD 27)(1)(1337/98) - LC 4024(NAD 27)(2)(1725/98)

1. Amend	Fl(4s) 40s 90ft 18M to read Fl(4s) 31 1/2s 90ft 18M	48°25'09".3 N 64°19'01".7 W
2. Amend	Fl(4s) 40s 90ft 18M to read Fl(4s) 31 1/2s 90ft 18M	48 25 09.1 N 64 19 04.2 W

NOTE: Digital data products 4024R/M, 4485R/M, 4486R/M, 76187(4486), 79075(4024) and 79086(4485) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L98-096, DFO-Q98-103)

**\*1736 GULF OF ST. LAWRENCE - CHALEUR BAY - PORT-DANIEL OUEST AND CARLETON - Lights.**

Charts (Last correction) - 4921(Plan, Baie de Port-Daniel)(NAD 83)(1)(1518/98) - 4921(Plan, Carleton)(NAD 83)(2)(1518/98) - LC 4486(NAD 27)(3,4)(1726/98)

1. Amend	FI 5s 23m to read FI 6s 23m	48°09'04".8 N 64°56'59" W
2. Amend	FI G to read Iso Y	48 06 00.8 N 66 07 51.7 W
3. Amend	FI 5s 76ft to read FI 6s 76ft	48 09 04.6 N 64 57 01.4 W
4. Amend	FI G to read Iso Y	48 06 00.6 N 66 07 53.9 W

NOTE: Digital data products 4486R/M, 4921R/M, 76187(4486), 79060(4921) and 79069(4921) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L98-097, 099, DFO-Q98-101)

**\*1715 NOVA SCOTIA, SOUTHWEST COAST - CAPE SABLE ISLAND AND APPROACHES TO YARMOUTH HARBOUR, SHELBURNE HARBOUR AND CAPE NEGRO - Chart amendments.**

Chart (Last correction) - LC 4230(NAD 83)(1-4)(1314/98)

Reference: Notices 1154/98, 1306/98 and 1307/98.

On certain copies.

1. Add	light FI G 12s 10m	43°28'06".4 N 65°33'56".1 W
2. Add	BELL against bifurcation buoy SAC	43 38 18 N 65 13 12 W
3. Amend	FI(2) 15s 8m 16M to read FI(2) 15s 28m 16M	43 30 26.2 N 65 20 44.2 W
4. Add	FI G against light buoy Y3	43 46 57.3 N 66 09 29.8 W

NOTE: Digital data products 4230R/M and 76044(4230) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-069)

**\*1710 BAY OF FUNDY - ANNAPOLIS BASIN DIGBY - Lighted aids.**

Chart (Last correction) - 4396(NAD 27)(1,2)(Reprint, July/93) - 4396(Inset, Digby)(NAD 27)(3,4) (Reprint, July/93)

Reference: Notice 128(P)/98 cancelled.

1. Delete	light	44°37'35".2 N 65°45'07" W
2. Add	red light buoy FI R, marked V6	44 37 35 N 65 45 05.5 W
3. Delete	light	44 37 34.5 N 65 45 07.3 W
4. Add	red light buoy FI R, marked V6	44 37 34.2 N 65 45 06 W

NOTE: Digital data products 4396R/M, 76006(4396) and 76008(4396) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

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

(CCG-F98-011,060)

**\*1713 ST. LAWRENCE RIVER - CAP DE LA TÊTE AU CHIEN TO CAP AUX OIES - Chart amendments.**

Charts (Last correction) - 1233(NAD 27)(1)(1538/98) - LC 1235(NAD 83)(2-5)(950/98)

1. Replace	15 metres 6 decimetres with 15 metres 4 decimetres	47°27'54".4 N 70°16'18".8 W
2. Add	4 metres 2 decimetres	47 58 24.9 N 69 37 48.7 W
3. Add	3 metres 7 decimetres	47 51 44.8 N 69 33 58.4 W
4. Add	0 metre	47 52 08.9 N 69 41 42.3 W
5. Add	0 metre	47 52 35.2 N 69 41 08.8 W

NOTE: Digital data products 1233R/M, 1235R/M, 79021(1233) and 79035(1235) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-099)

**\*1746(T) RIVIÈRE DES MILLES-ÎLES - LAVAL - Shoal.**

Chart (Temporarily affected) - 1509(Compartment E-F)(NAD 83)(1)

1. Shoal 0.7 metre	45°42'01" N 73°31'49" W (approx)
--------------------	----------------------------------

NOTE: (1) A shoal has been reported between buoys MC-9 and MC-10. Further informations will be available at a later date.  
(2) Digital data product 1509R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-108)

**\*1714 ST. LAWRENCE SEAWAY - LAC SAINT-LOUIS - Buoys.**

Chart (Last correction) - 1409(NAD 83)(1-3)(New Edition, June/97)

1. Replace	green spar buoy V29 with a green lighted spar buoy FI G, marked V29	45°24'09".1 N 73°38'28".5 W
2. Replace	red spar buoy V32 with a red lighted	45 24 14.1 N 73 38 40.5 W

spar buoy FI R, marked V32

3. Replace green spar buoy V33 with a green 45 24 17.1 N 73 38 56.5 W  
lighted spar buoy FI G, marked V33

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

(AMA8035-10-5-9)

(DFO-Q98-100;CCG-L98-100)

### **\*1741 QUÉBEC - OTTAWA RIVER - CARILLON TO LAC SAINT-LOUIS - Light.**

Chart - 1510(Sheet 1)(Inset, Oka)(NAD 27)(1)

Reference: Notice 722/98.

1. Delete light On Oka public wharf

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

(AMA8035-10-35)

(DFO-C98-151)

### **\*1735 QUÉBEC - ONTARIO - OTTAWA RIVER - CARILLON TO PAPINEAUVILLE - Chart amendments.**

Charts - 1514(Compartment A-B, Carillon à/to Papineauville)(NAD 83)(1,2) - 1514(Compartment B-C,  
Carillon à/to Papineauville)(NAD 83)(3) - 1515(Compartment A-B, Papineauville à/to Ottawa)  
(NAD 83) (3)

1. Replace vertical clearance of 15 metres with 45°37'07".4 N 74°35'48".4 W  
a vertical clearance of 13 metres

2. Replace green light buoy H207 with a green 45°34'42".1 N 74°26'54".4 W  
pillar buoy, marked H207

3. Replace green light buoy H331 with a green 45 35 32.9 N 75 02 19.6 W  
pillar buoy, marked H331

(AMA8035-10-5-9)

(CCG-L98-089, 089A, DFO-Q98-096)

### **\*1703 ST. LAWRENCE SEAWAY - LAKE ST. FRANCIS - Buoy.**

Chart (Last correction) - 1413(NAD 27)(1)(1164/98)

Reference: Notice 937/98.

1. Reposition red light buoy D86 from 45°01'37".2 N 74°38'13" W  
to 45 01 36 N 74 38 11 W

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

(VAR) for updates.

(AMA8035-10-5-14)

(DFO-C98-137;CCG-B98-042)

### **\*1717 ONTARIO - RIDEAU RIVER - Boys.**

Chart - 1512(Sheet 1, Inset, Hogs Back)(NAD 27)(1) - 1512(Sheet 1, Inset, Black Rapids)(NAD 27)(2,3) - 1512(Sheet 1, Inset, Long Island)(NAD 27)(4,5) - 1512(Sheet 3)(NAD 27)(8) - 1512(Sheet 3, Inset, Edmunds Lock to/à Smiths Falls)(NAD 27)(6) - 1512(Sheet 3, Inset Merrickville)(NAD 27)(7)

- |               |                              |   |
|---------------|------------------------------|---|
| 1. Delete     | daybeacon N20                | Inset Hogs Back   |
| 2. Delete     | daybeacon N35                | 139° 1035 feet from buoy N41  |
| 3. Delete     | daybeacon N37                | 132° 660 feet from buoy N41   |
| 4. Delete     | daybeacon N62                | Inset Long Island   |
| 5. Delete     | daybeacon N64                | Inset Long Island   |
| 6. Add        | green spar buoy, marked N475 | 44°53'26" N 75°59'57" W   |
| 7. Reposition | red spar buoy, NM8           | from 108° 380 feet from buoy NM10<br>(44°55'03" N 75°50'27" W)<br>to 085° 355 feet from buoy NM10 |

- |        |                              |                       |
|--------|------------------------------|-----------------------|
| 8. Add | green spar buoy, marked N257 | 44 57 28 N 75 48 57 W |
|--------|------------------------------|-----------------------|

NOTE: Digital data product 1512R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B96-077-084, DFO-C98-140)

### **\*1720 RIDEAU CANAL - SMITHS FALLS TO ROCKY NARROWS - Warning.**

Chart - 1513(Sheet 1, Smiths Falls to/à Rocky Narrows)(NAD 27)(1)

- |          |              |                                  |
|----------|--------------|----------------------------------|
| 1. Amend | note to read | 44°46'41" N 76°14'00" W (approx) |
|----------|--------------|----------------------------------|

AVERTISSEMENT: ZONE  
INTERDITE  
Les embarcations à moteur sont  
inter-dites dans Hoggs Bay.

NOTE: Digital data product 1513R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-143)

### **\*1740 LAKE ONTARIO - KINGSTON TO FALSE DUCK ISLANDS - Light.**

Charts (Last correction) - LC 2064(U.S. Standard)(1)(1702/98) - LC 2060(1)(177/96)

1. Amend FI 4s 47ft 5M to read Iso 2s 47ft 5M 43°56'14".1 N 76°51'32".5 W

NOTE: Digital data products 2060R/M, 2064R/M, 73063(2064) and 73071(2060) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-14)

(CCG-B98-044, DFO-C98-150)

### **\*1702 LAKE ONTARIO - FORESTERS ISLAND - Light buoy.**

Charts (Last correction) - 2006(NAD 27)(1)(545/97) - 2069(NAD 27)(1)(1133/98) - LC 2064 (U.S. Standard)(2) (351/97)

1. Reposition green light buoy Q13 from 44°10'40".8 N 77°03'05"  
to 44 10 51.8 N 77 03 02 W

2. Reposition green light buoy Q13 from 44 10 41 N 77 03 04 W  
to 44 10 52 N 77 03 01 W

NOTE: Digital data products 2006R/M, 2064R/M, 2069R/M, 73039(2006), 73063(2064) and 73153(2069) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(DFO-C98-136;CCG-B96-023)

### **\*1738(P) ONTARIO - OTTAWA RIVER - LAC DES ALLUMETTES - Shoal.**

Chart (Which will be affected) - 1553(Sheet 1)(NAD 27)(1)

1. Add 1 foot 45°50'57" N 77°09'26" W (approx)

NOTE: (1) Mariners are advised to exercise caution when navigating in the area. More information will be available upon completion of survey.  
(2) Digital data product 1553R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-148)

### **\*1716 ONTARIO - OTTAWA RIVER - Daybeacon.**

Chart - 1554(Sheet 2, Maraboo Lake à/to Bald Rock)(NAD 27)(1)

1. Delete daybeacon 46°14'32".5N 78°01'50"W

NOTE: Digital data product 1554R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-18-5)

(CCG-B96-018, DFO-C98-139)



**\*1718 LAKE ONTARIO - COBOURG TO OSHAWA - Buoy.**

Chart (Last correction) - LC 2058(1)(1325/98)

1. Add                      yellow cautionary spar buoy                      43°56'58".6 N 78°09'08".3 W

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

(AMA8035-10-35)

(DFO-C98-141)

**\*1721 LAKE ONTARIO - COBOURG HARBOUR - Light.**

Chart (Which was to be affected) - 2054(NAD 27)

Reference: Notice 219(P)/96 cancelled.

NOTE:                      Digital data product 2054R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-14)

(CCG-B97-016, DFO-C98-144)

**\*1719 LAKE ONTARIO - PORT COLBORNE - Light buoy.**

Charts (Last correction) - LC 2120(NAD 27)(1)(1342/98) - LC 2100(NAD 27)(1)(1705/98)

Reference: Notice 303(P)/96 cancelled.

1. Delete                      fairway light buoy, E                      42°49'23" N 79°16'58" W

NOTE:                      Digital data products 2100R/M, 2120R/M, 73093(2120) and 73094(2100) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B96-094, DFO-C98-142)

**\*1742 MANITOBA - LAKE MUSKOKA - Buoy and light.**

Chart - 6021(1,2)

1. Delete                      light                      44°57'08" N 79°24'39" W

2. Add                      red lighted spar buoy Fl R, marked EM2                      44 57 06 N 79 24 37 W

NOTE:                      Digital data product 6021R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13; 7-13)

(CCG-D98-017, 018, DFO-C98-152)

**\*1704 LAKE ONTARIO - TORONTO HARBOUR - Bell removed.**

Charts (Last correction) - 2085(NAD 27)(1)(504/97) - LC 2077(NAD 83)(2)(1128/98) - 2086(NAD 83)(2)

Reference: Notice 624(P)/96 cancelled.

- |           |             |                                     |
|-----------|-------------|-------------------------------------|
| 1. Delete | legend BELL | 43°37'13".8 N 79°25'14".7 W(approx) |
| 2. Delete | legend BELL | 43 37 14 N 79 25 14 W(approx)       |

NOTE: Digital data products 2077R/M, 2085R/M, 2086R/M, 73008(2085), 73048(2086) and 73091(2077) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(DFO-C98-138;CCG-B97-008)

**\*1723(P) LAKE HURON - GEORGIAN BAY - CHRISTIAN ISLAND - LIGHTHOUSE POINT - Buoy.**

Chart (Which will be affected) - 2239(NAD 27)(1)

- |          |  |                         |
|----------|--|-------------------------|
| 1. Amend | MA1 to read MA11 against green spar buoy | 44°47'02" N 80°09'07" W |
|----------|--|-------------------------|

NOTE: (1) This information will be incorporated in an upcoming new chart.  
(2) Digital data products 2239R/M and 73046(2239) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13)

(CCG-D98-016, DFO-C98-146)

**\*1724(P) LAKE HURON - GEORGIAN BAY - COLLINGWOOD HARBOUR - Buoys.**

Chart (Which will be affected) - 2215(NAD 83)(1-6)

Reference: Notice 527(P)/97

- |               |  |  |
|---------------|--|--|
| 1. Delete     | red spar buoy TN14   | 44°31'08".4 N 80°13'34".5 W                                |
| 2. Delete     | green spar buoy TN19   | 44 30 47.8 N 80 13 31.2 W                                  |
| 3. Delete     | range lights   | 44 30 25 N 80 13 33 W (approx)                             |
| 4. Reposition | green light buoy TN21  | from 44 30 44.7 N 80 13 30 W<br>to 44 30 50 N 80 13 31 W   |
| 5. Reposition | red light buoy TN12  | from 44 31 38.6 N 80 13 39.8 W<br>to 44 31 11 N 80 13 35 W |
| 6. Add        | sectors light Oc RWG visible over an arc of 072°, red from 145° to 180°, white from 180° to 182° and green from 182° to 217° | 44 30 25.6 N 80 13 33.9 W                                  |

- NOTE:
- (1) A new edition incorporating the above-mentioned changes will be available at a later date.
  - (2) Digital data products 2215R/M and 73144(2215) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13; 10-7-13)

(CCG-D98-009-014, DFO-C98-147)

**\*1705 LAKE ERIE - Wellheads.**

Charts (Last correction) - LC 2121(NAD 27)(1-5)(1342/98) - LC 2100(NAD 27)(1,2,4,5)(1342/98)

- |        |          |                         |
|--------|----------|-------------------------|
| 1. Add | wellhead | 42°23'07" N 80°45'12" W |
| 2. Add | wellhead | 42 24 48 N 80 40 41 W   |
| 3. Add | wellhead | 42 28 37 N 80 41 10 W   |
| 4. Add | wellhead | 42 28 15 N 80 37 51 W   |
| 5. Add | wellhead | 42 29 19 N 80 34 45 W   |

NOTE: Digital data products 2100R/M, 2121R/M, 73088(2121) and 73094(2100) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-134)

**\*1722 LAKE ERIE - Pipelines.**

Charts (Last correction) - LC 2121(NAD 27)(2-6)(1705/98) - LC 2122(NAD 27)(1-3)(1342/98) - LC 2100(NAD 27)(1)(1719/98)

- |        |          |  |
|--------|----------|--|
| 1. Add | pipeline | from 42°04'25" N 82°16'35".2 W<br>to 42 05 45.2 N 82 17 42.2 W |
| 2. Add | pipeline | from 42 12 10 N 81 35 55 W<br>to 42 12 05.6 N 81 36 16.7 W     |
| 3. Add | pipeline | from 42 10 24.9 N 81 29 10 W<br>to 42 09 44.3 N 81 29 22.4 W   |
| 4. Add | pipeline | from 42 25 09 N 80 51 12 W<br>to 42 24 54.9 N 80 51 48.2 W     |
| 5. Add | pipeline | from 42 24 48 N 80 40 41 W<br>to 42 24 33.5 N 80 41 14 W       |
| 6. Add | pipeline | from 42 18 37.5 N 80 45 46.7 W<br>to 42 18 05.9 N 80 45 59.8 W |

NOTE: Digital data products 2100R/M, 2121R/M, 2122R/M, 73088(2121), 73090(2122) and 73094(2100) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-145)

**\*1701 LAKE HURON - NORTH CHANNEL - JOHN ISLAND TO BLIND RIVER - Buoy.**

Chart (Last correction) - 2259(NAD 27)(1)(1108/98)

1. Add	green spar buoy, marked JJ1	45°57'54" N 82°44'04" W
--------	-----------------------------	-------------------------

NOTE: Digital data products 2259R/M and 73045(2259) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-135)

**\*1744 LAKE WINNIPEG - RED RIVER MOUTH - Buoys.**

Charts - 6251(NAD 27)(1-4) - 6242(Sheet 2)(Compartment B-C, Selkirk to Lake Winnipeg)  
(NAD 27)(1-12)

1. Delete	black spar buoy X1	50°26'02" N 96°48'18" W
2. Delete	red spar buoy X2	50 25 48 N 96 50 58 W
3. Delete	black spar buoy X3	50 25 56 N 96 48 57 W
4. Delete	red spar buoy X4	50 25 47 N 96 50 18 W
5. Delete	red spar buoy X8	50 24 45 N 96 49 11 W
6. Delete	red spar buoy X10	50 24 35.5 N 96 49 06 W
7. Delete	black spar buoy X11	50 24 37 N 96 49 00 W
8. Delete	red spar buoy X14	50 24 25.5 N 96 49 01 W
9. Delete	black spar buoy X15	50 24 26 N 96 48 56 W
10. Delete	red spar buoy X16	50 24 15 N 96 48 56 W
11. Delete	black spar buoy X17	50 24 15.5 N 96 48 50.5 W
12. Delete	black spar buoy X21	50 23 43 N 96 48 33 W

(AMA8035-10-5-13)

(CCG-D98-020, DFO-C98-154)

**\*1745 LAKE WINNIPEG - RED RIVER MOUTH - Buoy.**

Charts - 6251(NAD 27)(1) - 6240(2) - 6242(Sheet 2)(Compartment B-C, Selkirk to Lake Winnipeg)  
(NAD 27)(1)

1. Reposition	fairway light buoy Red River	from 50°25'46".5 N 96°49'37" W to 50 25 32 N 96 49 30 W
2. Reposition	fairway light buoy Red River	from 50 25 46.5 N 96 49 37 W

to 50 25 32 N 96 50 00 W

(AMA8035-10-5-13)

(CCG-D98-021, DFO-C98-155)

**\*1743 MANITOBA - LAKE WINNIPEG - Buoy.**

Chart - 6241(1)

1. Delete red light buoy CN2

53°13'20" N 99°17'14" W

(AMA8035-10-5-13)

(CCG-D98-019, DFO-C98-153)

**\*1727(P) NORTHWEST TERRITORIES - BOOTHIA PENINSULA - JAMES ROSS STRAIT  
- Shoal depths.**

Charts (Which will be affected) - 7760(NAD 27)(1-10) - 7083(11-14)

- |             |   |                             |
|-------------|---|-----------------------------|
| 1. Add      | 4 fathoms 5 feet                          | 69°43'20".1 N 95°53'06".3 W |
| 2. Delete   | 5 fathoms 3 feet                          | close westward of (1)       |
| 3. Replace  | 11 fathoms with 6 fathoms 4 feet          | 69 42 48.9 N 95 49 24.2 W   |
| 4. Replace  | 9 fathoms 5 feet with<br>5 fathoms 5 feet | 69 42 58.6 N 95 47 59.4 W   |
| 5. Replace  | 8 fathoms 2 feet with<br>3 fathoms 5 feet | 69 41 55.2 N 95 45 45.8 W   |
| 6. Add      | 2 fathoms 4 feet                          | 69 41 15.4 N 95 43 41.9 W   |
| 7. Add      | 2 fathoms 4 feet                          | 69 40 37.5 N 95 44 10 W     |
| 8. Add      | 2 fathoms 3 feet                          | 69 39 41.8 N 95 42 00.8 W   |
| 9. Add      | 3 fathoms                                 | 69 40 07.6 N 95 39 52.7 W   |
| 10. Add     | 4 fathoms 3 feet                          | 69 39 23.8 N 95 37 01.3 W   |
| 11. Replace | 5 fathoms 3 feet with<br>4 fathoms 5 feet | 69 43 23 N 95 50 00 W       |
| 12. Replace | 9 fathoms 5 feet with<br>5 fathoms 5 feet | 69 43 00 N 95 44 25 W       |
| 13. Replace | 4 fathoms with 3 fathoms                  | 69 40 05 N 95 36 00 W       |
| 14. Add     | 2 fathoms 3 feet                          | 69 39 38 N 95 38 10 W       |

NOTE: These informations will be incorporated in an upcoming new edition of chart 7760.

(AMA8035-10-35)

(DFO-P98-028)

**\*1729 NORTHWEST TERRITORIES- VICTORIA STRAIT - ALEXANDRA STRAIT - Shoal depths.**

Charts (Last correction) - 7784(NAD 83)(1)(New Chart, July/98) - 7083(2)(636/97)

1. Add                      8 metres 1 decimetre                                      69°00'02".2 N 99°40'30".9 W

2. Add                      4 fathoms 3 feet    69 00 02.2 N   99 40 30.9 W

(AMA8035-10-35)

(DFO-P98-029)



## SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

## Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 244 — Paragraph 275, last line —after “side”  
 Insert: and is marked by spar light buoy NW2

Page 249 — Paragraph 326, last line  
 Add: A **light** is shown from an island situated about 0.8  
 mile east of Drawbucket Tickle light.

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

Page 38 — Paragraph 290, lines 3 and 4  
 Delete: Digby, Liverpool, Lunenburg, Port Hawkesbury, Shelburne,

Page 38 — After paragraph 291  
 Add: 292 **CANPASS**. — Pleasure craft entering Canada must  
 report to Canada Customs by telephone at designated reporting  
 stations. **These locations are listed at the back of this**  
**book**. The telephone service is toll free (1-888-226-7277) and  
 is operated 24 hours a day. Canada Customs will issue  
 instructions following a telephone interview, and on-site  
 inspections may be carried out to ensure compliance with the  
 law.  
 293 Further information is available from  
 the Customs Border Services, Revenue Canada, (1-800-461-  
 9999). [www.rc.gc.ca](http://www.rc.gc.ca)

Page 78 — Paragraph 80, last line

Add: In 1996, this wharf was rebuilt. There is an outer  
 face 275 m (902 ft) long with a reported depth of 12 m  
 (39 ft) alongside.

(A5/98)

Page 80 — Table — **Sydney**/Public wharf

Amend: 242 (794) to 275 (902), and 8 (26) to 12 (39)—  
 reported

(A5/98)

Page 231 — After paragraph 101

Insert: 101.1 **Marine Park — Dive Site — Caution**. — In August,  
 1998, the fishing vessel *Matthew Atlantic* was scuttled in Port  
 Mouton. The vessel, 37 m in length, and 8 m in beam, is  
 resting on a sandy bottom on its starboard side, about 0.3 mile  
 NW of Jackies Island. In August, 1998, highest portion of the  
 vessel, near the bow in position  $43^{\circ}54.09'N$ ,  $64^{\circ}47.3'W$ , had  
 depth of 4.5 m over it. The orientation of the hull is  
 ESE/WNW, with the bow to seaward. A **Cautionary Buoy** is



**SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS**

moored near the bow. The sunken wreck is used as a recreational dive site.

Page 276 — Paragraph 118, lines 6 and 7

Delete: "A **light**...wharf. "

Page 276 — Paragraph 122, line 3

Delete: light

After page 366, place the following table:

**Designated Reporting Stations for Pleasure Craft  
(1998)**

Nova Scotia:

Yarmouth	Killam Brothers Wharf, Yarmouth Marginal Wharf, Lobster Rock Wharf
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Shelburne	Shelburne Harbour Yacht Club
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Liverpool	Brooklyn Marina
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Lunenburg	Lunenburg Yacht Club, Lunenburg Public Wharf
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Halifax Royal	Nova Scotia Yacht Squadron, Armdale Yacht Club, Maritime Museum of the Atlantic, Dartmouth Yacht Club, Shearwater Yacht Club, Bedford Basin Yacht Club
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Port Hawkesbury	Port Hawkesbury Wharf, Canso Canal
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St. Peters	St. Peters Lions Club Marina
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Sydney	Royal Cape Breton Yacht Club
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New Brunswick

Campobello Head	Harbour Wharf, Welshpool Wharf,
Island North	Road Wharf, Curry Corner Wharf, Wilson's Beach Wharf

## SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Deer Island Richardson Wharf, Fairhaven Wharf,  
Lord's Cove Wharf, Stuart Town Wharf,  
Leonardville Wharf

Grand Manan Seal Cove Wharf, North Head  
Wharf

St. Andrews St. Andrews Town Wharf, Bayside  
Marine Terminal

Saint John Market Slip  
Harbour

Saint John Saint John Powerboat Club, Royal  
River Kennebecasis Yacht Club, Saint John Marina

Gulf of St. Lawrence, First Edition, 1992 —

Page 18 — Paragraph 220, line 4  
Delete: and New Glasgow (Pictou)

Page 18 — After paragraph 220

Add: 221 **CANPASS** — Pleasure craft entering Canada must report to Canada Customs by telephone at designated reporting stations. **These locations are listed below**. The telephone service is toll free (1-888-226-7277) and is operated 24 hours a day. Canada Customs will issue instructions following a telephone interview, and on-site inspections may be carried out to ensure compliance with the law.

222 Further information is available from the Customs Border Services, Revenue Canada, (1-800-461-9999); [www.rc.gc.ca](http://www.rc.gc.ca)

Page 18 — Place this table on the lower part of the page

### **Designated Reporting Stations for Pleasure Craft (1998)**

#### Nova Scotia:

Port Port Hawkesbury Wharf, Canso Canal

## SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Hawkesbury

Pictou            Pictou Marina, Hector Quay Marina

New Brunswick:

Miramichi       Millbank Wharf, Newcastle Wharf, Chatam Wharf,  
Miramichi Yacht Club (Daglastown)

Caraquet        Le Port de Plaisance

Bathurst           Bathurst Marina

Dalhousie        Dalhousie Regional Marina

Prince Edward Island:

Charlottetown   Charlottetown Yacht Club

Summerside     Summerside Yacht Club

Newfoundland:

Cornerbrook Bay of Islands Yacht Club, Transport Canada  
Wharf

Page 61 – Paragraph 190.1

(re: correction promulgated  
in Monthly Edition No. 9/96)

Delete: 7 miles

Replace by: 0.8 mile

(L38/98)

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

Page 23 – Paragraph 256, line 5 – after “Rousse”

Insert: and is marked by light **buoy** KV4

Page 23 – Paragraph 256, line 6 – after “(1.5 m)”

Insert: and is marked by a spar buoy

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

Page 55 – Paragraph 112, last line

## SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Insert: Lighted ODAS **buoy 44251** is moored about 2 miles NW of the bank.

Page 57 – Paragraph 128, line 5 – before “Pine”  
 Insert: and marked by isolated danger light and bell  
**buoy MLR**

ATL 107 — St. John River, First Edition, 1994 —

Page 3 — Delete paragraphs 34 and 35, and the information on Customs Branch

Insert: 34 **Customs clearance.** – Boats entering Saint John River from outside of Canada are required to clear customs. Pleasure craft must report to Canada Customs by telephone at the designated reporting stations listed below. The telephone service is toll free (1-888-226-7277) and is operated 24 hours a day. Canada Customs will issue instructions following a telephone interview, and on-site inspections may be carried out to ensure compliance with the law.

35 Further information is available from the Customs Border Services, Revenue Canada, (1-800-461-9999); [www.rc.gc.ca](http://www.rc.gc.ca)

### Designated Reporting Stations for Pleasure Craft (1998)

Saint John Harbour - Market Slip

Saint John River - Saint John Powerboat Club, Royal Kennebecasis Yacht Club,  
 Saint John Marina

Page 4 — Paragraph 36, last line

Delete: To obtain dealer location information:

**no charge dial 1-800-668-5222**

Page 15 — Paragraph 7, line 1

Delete: *Marine Atlantic*

Insert: *Bay Ferries*

Page 22 — Bottom of left column

Delete reference to **Canadian Hydrographic Service Tide-A-Phone** service

## SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

—  
Page 9 — After paragraph 76

Add: 76.1 A harbour, situated NE of the public wharf, offers dockage with power and water. The harbour is protected from the east by a breakwater-wharf, elevation 5.7 m (19 ft), with a berth of 35 m (115 ft) in length and depths of 0.8 to 1.5 m (3 to 5 ft). These facilities are for the use of excursion and pleasure boats 18 m (59 ft) long or more. It is operated by the *Corporation régionale d'administration portuaire de Pointe-au-Pic*

(L36/98)

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

Page 3 — **NEUVILLE** Diagram

Substitute 0<sub>6</sub> for 1<sub>4</sub> @ 047°30', 508 m from the lower left corner

Substitute 0<sub>8</sub> for 1<sub>7</sub> @ 052°00', 531 m from the lower left corner

Add 1 @ 039°00', 533 m from the lower left corner

Delete 2<sub>4</sub> @ 051°00', 551 m from the lower left corner

Add 1<sub>1</sub> @ 050°30', 542 m from the lower left corner

(L40/98)

Page 5 — After paragraph 52

Add : 52.1 A **marina** (*Parc Récréonautique de Portneuf*) is situated east of the public wharf. It is protected from the west by the wharf and from east and south by breakwaters. The entrance channel has depths of 1.8 to 2.6 m (6 to 9 ft) and the depth in the basin is more than 2 m (7 ft). A drying area lies along the west side of the entrance channel.

(L42/98)

Page 28 — Paragraph 135, line 4

Delete: 96 feet (29 m)

Replace by: 39 feet (12 m)

(L39/98)

## SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 28 – Paragraph 136, last line—after “alongside”  
 Insert: but can be submerged at spring runoff (L39/98)

Page 30 –Paragraph 148, lines 6 to 9  
 Delete: “The...184 $\frac{1}{2}$ °.”  
 Replace by: The lights are visible on line of range only. (L35/98)

Page 30 – Paragraph 148, last line  
 Delete: a flashing (L35/98)  
 Replace by: an isophase

Page 39— **Table 2.4 Port of Montréal Wharves**  
 Change the following information in the “Depth” column

Berth	Depth
	ft (m)

**Sections 56 E to 58**

58	32,8 (10)	(L41/98)
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CEN 301, St. Lawrence River, Montréal to Kingston, First Edition, 1996 —

Page 14 – Paragraph 186, line 4  
 Delete: between *buoy D4* and *buoy D6*  
 Replace by: at *bifurcation buoy DVB* (C06/98)

CEN 302, Lake Ontario, First Edition, 1996 —

Page 23 — Before paragraph 1  
 Page 32 — Before paragraph 129  
 Page 35 — After paragraph 165  
 Page 35 — After paragraph 16  
 Page 36 — Top of left column  
 Page 36 — After paragraph 180  
 Page 37 — Top of left column  
 Page 41 — Before paragraph 1  
 Page 41 — Before paragraph 2  
 Page 41 — Before paragraph 8  
 Page 42 — Top of left column  
 Delete: 2061  
 Replace by: 2059 (C09/98)

Pages 39 and 40 – Paragraph 226 lines 2 and 3  
 Delete: at an elevation of 30 feet (9.1 m) (C09/98)

## IV

Monthly Edition No. 9/98

### SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 42 – Paragraph 14 line 2

Delete: white strobe

Replace by: air obstruction

(C09/98)

Page 43 – Paragraph 32 line 3

Delete: east

Replace by: west

(C09/98)

Pages 60 – Paragraph 268 line 1

Delete: *and bell*

(C09/98)

Great Lakes, Volume 2, Seventh Edition, 1993 —

Page 211 –Paragraph 36 lines 3 and 4

Delete: by a **buoy**

Replace by: and to the NW by **buoys**.

(C07/98)

Page 211 – Delete paragraph 37.

(C07/98)

Page 212 –Paragraph 56 lines 2 and 3

Delete: “*Corbeil Point*” to the end of the paragraph

Replace by: a **buoy**.

(C07/98)

(C07/98)

Page 231 – Delete paragraph 148.

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

Chapter VII — Paragraph 145, lines 5 to 7

(L37/98)

Delete: “, but...Bank”

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

0.5	ODAS light buoy 44153	46 43 30 48 48 30	Fl(5) Y	20 s	.....	.....	Yellow, marked "44153".	Chart:4049 1712/98
1.6	Nickerson Bank light buoy (ODAS) 44251	46 26 25.2 53 23 21	Fl(5) Y	20 s	.....	.....	Yellow, marked "44251"	Chart:4817 1737/98
7.4	Lamb Rock light and bell buoy MLR	46 28 01.8 54 01 33	Fl(2) W	5s	.....	.....	Black, red and black, marked "MLR".	Seasonal. Chart:4817 1737/98
269.2	The Sisters East light buoy KV4	50 03 24.6 56 01 57.6	Fl	R	4s	.....	Red, marked "KV4".	Seasonal. Chart:4521 1707/98
270.01	Henley Harbour light buoy NJ1	51 59 16 55 51 57	Fl	G	4s	.....	Green spar, marked "NJ1".	Chart:5030 1711/98
270.02	Henley Harbour (Freezer's Rock) light buoy NJ2	51 59 38 55 51 58	Fl	R	4s	.....	Red spar, marked "NJ2".	Chart:5030 1711/98
322.8	Windy Tickle light buoy NW2	55 45 33.6 60 19 34.2	Fl	R	4s	.....	Red spar, marked "NW2".	Seasonal. Chart:5048 1709/98
324.1	Drawbucket Tickle East	56 08 43.2 60 50 51	Q	R	1s	12.7	Skeleton tower, red and white horizontal bands on 3 sides. 3.7	Flash 0.3 s; eclipse 0.7 s Year round. Chart:5049 1708/98

Atlantic

206	Digby Pier light buoy V6	44 37 34.2 65 45 06	Fl	R	4s	.....	.....	Red, marked "V6".	Year round. Chart:4396 1710/98
207 H3898	Digby Pier								Delete from List. Chart:4396 1710/98
348 H3778	<b>The Salvages</b>	SE. end of Island. 43 28 07.7 65 22 43.4	LFI	W	12s	16.8	16	White block. 14.9	Flash 2.5 s; eclipse 9.5 s Emergency light. Year round.  <b>Horn</b> - Blast 2s; sil. 3s; blast 2s; sil. 3s; blast 2s; sil. 48s Horn points 116°. Chart:4241 Edn 9/98
629 H3514	Port Bickerton	Near W. extremity of Barachois Head. 45 05 24 61 42 01.7	Iso	W	8s	20.6	12	White block. 9.2	Visible from 280° through N. and E. to 136°. Emergency light. Year round.  <b>Horns(2)</b> -Blast 3s; sil. 3s; blast 3s; sil. 51s Horns point 156°. Horns sound in unison. Chart:4234 Edn 9/98





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

629.5 H3516	Mouton Harbour Outer range	45 05 29.9 61 42 49.6	F	W	4.0	.....	Skeleton mast, enclosed lower portion, white daymark, red vertical stripe. 3.6	Year round.	Chart:4234 Edn 9/98
629.6 H3516.1		263°42' 141.6m from front.	F	W	7.1	.....	Skeleton mast, enclosed lower portion, white daymark, red vertical stripe. 6.2	Year round.	
629.8 H3516.3	Mouton Harbour	On crib. 45 05 41.1 61 43 28	Q	R	1s	4.4	.....	Skeleton mast, red and white rectangular daymark, red triangle in centre. 3.6	Year round.  Chart:4234 Edn 9/98
630 H3516.4	Mouton Harbour Inner range	On outer end of breakwater. 45 05 41.8 61 43 35	F	G		4.7	6	Circular mast, white daymark, red vertical stripe. 3.6	Year round.
630.1 H3516.41		298°01' 369.6m from front.	F	G		7.4	16	Skeleton mast, enclosed lower portion, white daymark, red vertical stripe. 6.5	Year round.  Chart:4234 Edn 9/98
631 H3515	Port Bickerton East range	On outer end of wharf. 45 06 19.1 61 43 22.7	F	R		4.5	.....	Skeleton mast, enclosed lower portion, white daymark, red vertical stripe. 3.5	Year round.
631.1 H3515.1		320°36' 340.2m from front.	F	R		13.2	.....	Skeleton mast, enclosed lower portion, white daymark, red vertical stripe. 9.5	Year round.  Chart:4234 Edn 9/98
876.8	Murphy Pond	Extreme outer end of W. breakwater. 46 01 33.8 61 32 42.1	F	R		6.5	9	Skeleton structure. 3.6	Seasonal.  Chart:4448 Edn 9/98
1246.6	Pokemouche Gully light buoy TH8								Delete from List.  Chart:4486 Edn 9/98
1246.7	Pokemouche Gully light buoy TH9								Delete from List.  Chart:4486 Edn 9/98
1306 H1566	Pointe de Pokesudie	NE. point of island. 47 49 11.2 64 45 15.6	Iso	W	4s	10.7	10	White tower, red and white daymark. 10.4	Flash 2 s; eclipse 2 s Seasonal.  Chart:4913 Edn 9/98
1364 H1640	Carleton wharf	Near outer end of wharf. 48 06 00.6 66 07 53.9	Iso	Y	2s	11.9	6	Red and white square skeleton tower. 9.1	Flash 1 s; eclipse 1 s Year round. Operates at night only.  Chart:4921 1736/98



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

1379 H1680	Port Daniel West	On Pointe Ouest. 48 09 04.6 64 57 01.4	Fl W 6s	23.1	.....	White octagonal tower. 7.0	Flash 1 s; eclipse 5 s Year round. Operates at night only. <b>Chart:4921 1736/98</b>
1403 H1718	<b>Cap d'Espoir</b>	Near extremity. 48 25 09.1 64 19 04.2	Fl W 31.4s	27.4	<b>18</b>	White octagonal tower. 40.1	Flash 0.35 s; eclipse 5 s; flash 0.35 s; eclipse 5 s; flash 0.35 s; eclipse 5 s; flash 0.35 s; eclipse 15 s Year round. <b>Chart:4485 1726/98</b>
1504	Havre-Aubert light buoy YK22	47 13 57.5 61 49 50.1	Q R 1s	.....	.....	Red, marked "YK22".	Year round. Winter spar. <b>Chart:4957 1733/98</b>
1528.8	Brador Fairway light buoy BRA	51 25 32.4 57 15 34.3	Mo(A) W	.....	.....	Red and white vertical stripes, marked "BRA".	<b>Chart:4470 1739/98</b>
1707.5	Sainte-Luce light buoy EIRE	48 37 00.2 68 24 06.5	Fl Y 4s	.....	.....	White, marked "EIRE"	<b>Chart:1236 Edn 9/98</b>
1747.4	Rivière Portneuf light buoy KRP-2						Delete from list. <b>Chart:N/A 1751/98</b>
1747.5	Rivière Portneuf light buoy KRP-3						Delete from list. <b>Chart:N/A 1751/98</b>
1747.6	Rivière Portneuf light buoy KRP-4						Delete from list. <b>Chart:N/A 1751/98</b>
1747.7	Rivière Portneuf light buoy KRP-6						Delete from list. <b>Chart:N/A 1751/98</b>
1747.8	Rivière Portneuf light buoy KRP-8						Delete from list. <b>Chart:N/A 1751/98</b>
1747.9	Rivière Portneuf light buoy KRP-9						Delete from list. <b>Chart:N/A 1751/98</b>
1971	Banc de St- Antoine light buoy Q29						Delete from List. <b>Chart:1315 Edn 9/98</b>
1986.5	Barre Sainte-Croix light buoy Q49						Delete from List. <b>Chart:1315 Edn 9/98</b>
1988.5	Barre Sainte-Croix light buoy Q52						Delete from List. <b>Chart:1314 Edn 9/98</b>
2011	Ilet Mayrand light buoy Q80						Delete from List. <b>Chart:1314 Edn 9/98</b>
2014.2	Grondines Anchorage light buoy A						Delete from list. <b>Chart:1314 Edn 9/98</b>



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

2402	Batture des Cascades light buoy J2	W. end of batture.	Fl R 4s	.....	.....	Red, marked "J2".	Seasonal. Privately maintained by the Municipality of Mont-Tremblant-Nord. Chart:N/A 1750/98
2404	Petite Rivière Cachée light buoy J4	S. of Rocky reef, near outlet of Petite Rivière Cachée.	Fl R 4s	.....	.....	Red, marked "J4".	Seasonal. Privately maintained by Municipalité de Lac-Tremblant-Nord. Chart:N/A 1750/98

Inland Waters

1	Light buoy V29	45 24 09.1 73 38 28.5	Fl G 4s	.....	.....	Green spar, marked "V29".	Winter spar. Year round.	Chart:1409 1714/98
2	Light buoy V32	45 24 14.1 73 38 40.5	Fl R 4s	.....	.....	Red spar, marked "V32".	Winter spar. Year round.	Chart:1409 1714/98
3	Light buoy V33	45 24 17.1 73 38 56.5	Fl G 4s	.....	.....	Green spar, marked "V33".	Winter spar. Year round.	Chart:1409 1714/98
155.5	Light buoy D86	45 01 36 74 38 11	Fl R 4s	.....	.....	Red, marked "D86".	Seasonal.	Chart:1413 1703/98
429	Prince Edward Point	On the point. 43 56 14.1 76 51 32.5	Iso W 2s	14.4	5	White skeleton tower. 13.0	Year round.	Chart:2064 1740/98
451	Foresters Island light buoy Q13	Off E. point of island. 44 10 51.8 77 03 02	Fl G 4s	.....	.....	Green, marked "Q13".	Year round.	Chart:2006 1702/98
496.5	Cobourg Harbour "T" Pier	43 57 21.7 78 09 54.8	Fl W 4s	4.6	5	White circular tower, red upper portion. 3.6	Seasonal. Privately maintained by the town of Cobourg.	Chart:2054 1721/98
513	West Entrance light buoy T	West of Toronto Island 43 37 14 79 25 14	Mo(A) W	.....	.....	Red and white vertical stripes, marked "T".	Year round.	Chart:2085 1704/98
554	Port Colborne light buoy E						Delete from List.	Chart:2120 1719/98
799	Cape Hurd	On outer point of cape. 45 13 15.6 81 43 44.9	Fl R 4s	8.9	.....	Circular mast, red and white rectangular daymark. 7.7	Seasonal.	Chart:2274 Edn 9/98
804	Lucas Island	N. side of island. 45 23 36 81 45 59	Fl R 4s	14.6	.....	Circular mast, red and white rectangular daymark, red triangle in centre. 8.7	Seasonal.	Chart:2235 Edn 9/98
849	Collingwood light buoy TN12	Outer approach to harbour. 44 31 11 80 13 35	Q R 1s	.....	.....	Red, marked "TN12".	Seasonal.	Chart:2215 1724(P)/98



No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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### Inland Waters (Cont'd)

852	Collingwood Harbour light buoy TN21	On E. side of channel. 44 30 50 80 13 31	Fl G 4s	.....	.....	Green, marked "TN21".	Seasonal  Chart:2215 1724(P)/98
853	Collingwood Shore range	½ ½					Delete from List.  Chart:2271 1724(P)/98
854		½					
853	Collingwood Sector	44 30 25.6 80 13 33.9	Oc R W G	3s	13.1	.....	Circular tower, white daymark, orange vertical stripe. Visible over an arc of 072°; red from 145° to 180°; white from 180° to 182° and green from 182° to 217°. Chart:2215 1724(P)/98
1243	Pointe d'Oka						Delete from List.  Chart:1510 1741/98
1258	Light buoy H207						Delete from List.  Chart:1511 1735/98
1261	Light buoy H223						Delete from List.  Chart:1511 Edn 9/98
1263	Light buoy H235						Delete from List.  Chart:1511 Edn 9/98
1269	Light buoy H253						Delete from List.  Chart:1511 Edn 9/98
1273	Light buoy H266						Delete from List.  Chart:1511 Edn 9/98
1276.6	Light buoy H282						Delete from List.  Chart:1511 Edn 9/98
1282.5	Light buoy H310						Delete from List.  Chart:1511 Edn 9/98
1283.4	Light buoy H314						Delete from List.  Chart:1511 Edn 9/98
1284.31	Pap bifurcation light buoy	45 36 47.5 74 59 15	Fl R (2+1)	6s	.....	.....	Red, green and red, marked "PAP". Year round. Seasonal. Privately maintained by Municipalité du village de Papineauville. Chart:1511 Edn 9/98
1284.32	Baie de la Pentecôte Entrance light buoy HP9	45 36 55 74 59 25	Fl G 4s	.....	.....	Green, marked "HP9".	Seasonal. Privately maintained by Municipalité du village de Papineauville. Chart:1511 Edn 9/98
1284.34	Papineauville wharf light buoy HP30	45 36 41.5 75 00 46	Fl R 4s	.....	.....	Red, marked "HP30".	Seasonal. Privately maintained by Municipalité du village de Papineauville. Chart:1511 Edn 9/98





No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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### Inland Waters (Cont'd)

1285.1	Light buoy H331						Delete from List.	Chart:1511 1735/98
1285.9	Light buoy H341						Delete from List.	Chart:1511 Edn 9/98
1286.7	Light buoy H351						Delete from List.	Chart:1511 Edn 9/98
1289.4	Light buoy H367						Delete from List.	Chart:1511 Edn 9/98
1377.8	Shantyman Point						Delete from List.	Chart:6021 1742/98
1377.8	Shantyman Point light buoy EM2	44 57 06 79 24 37	Fl R 4s	.....	.....	Red spar, marked "EM2"		Chart:6021 1742/98
1564	Red River Mouth light buoy	50 25 32 96 49 30	Mo(A) W	.....	.....	Red and white vertical stripes, fluorescent orange top, marked "RED RIVER".	Year round.	Chart:6242 1745/98
	<b>Racon -- (G) X Band</b>							
1616	Saskatchewan River Entrance light buoy CN2						Delete from List.	Chart:6241 1743/98
2600 H35.4	Mission Lake	Chesterfield Inlet. 63 20 35.5 90 41 14	Fl W 6s	15.8	7	Square skeleton tower, fluorescent orange rectangular daymark. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Year round.	Chart:5620 Edn 9/98
2601 H24	Dunne Foxe Island	On Easternmost Island. 62 15 20 92 00 24	Fl W 6s	21.7	7	Square skeleton tower. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Year round.	Chart:5397 Edn 9/98
2602 H25	Walrus Island	Mistake Bay. 61 58 12 92 27 48	Fl W 6s	14.6	7	Triangular skeleton tower, fluorescent orange rectangular daymark. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Year round.	Chart:5397 Edn 9/98
	<b>Racon --- (Y) X Band</b>							



# ATLANTIC - APPENDIX "B"

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
100 H4082	<b>Partridge Island</b>	Highest point of island. 45 14 21 66 03 13.8	Fl W 7.5s 35.3	17	Hexagonal tower, red and white vertical stripes. 13.6	Flash every 7.5 s. Emergency light. Year round. Delete Fog signal.	Chart:4117 1530/98
110 H4083.9	<i>Courtenay Basin light buoy JC20</i>	<i>E. side of channel. 45 16 10.9 66 02 22.8</i>	<i>Fl R 4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "JC20". Year round.</i>	Chart:4117 1530/98
140.8	Goat Island					Delete from List.	Chart:4142 Edn 04/98
144	Lower Lincoln					Delete from List.	Chart:4142 Edn 04/98
144.2	<i>Lower Lincoln light buoy H53</i>	<i>45 52 21 66 30 47</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "H53". Seasonal.</i>	Chart:4142 Edn 04/98
144.4	Upper Maugerville wharf	45 53 27.7 66 31 58.6	Fl R 4s	8.0	.....	Triangular skeleton tower. 3.1 Seasonal.	Chart:4142 Edn 04/98
257.5	<i>Cape Forchu light and whistle buoy N8</i>					Delete from List.	Chart:4243 1307/98
258	<i>Yarmouth Fairway light and whistle buoy YA</i>					Delete from List.	
	<b>Racon --- (Z) X Band</b>						Chart:4243 1307/98
259	<i>Cat Rock light and whistle buoy Y3</i>	<i>S. of Cape Forchu. 43 46 57.3 66 09 29.8</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "Y3". Year round.</i>	Chart:4245 916/98
	<b>Racon -- (M) X &amp; S Band</b>						
259	<i>Cat Rock light and whistle buoy Y3</i>	<i>S. of Cape Forchu. 43 46 57.3 66 09 29.8</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "Y3". Year round. Delete racon.</i>	Chart:4245 1154/98
260 H3820	<b>Cape Forchu</b>	E. Cape, S. point, Yarmouth Sound. 43 47 38.8 66 09 19.4	Fl(2) W 10s 37.5	22	Hexagonal tower, red and white vertical stripes. 22.9	Emergency light. Year round. Delete fog signal.	Chart:4245 916/98
262	<i>Privateer Rock light buoy Y12</i>	<i>E. of Ships Stern. 43 48 34 66 08 39.1</i>	<i>Fl R 4s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "Y12". Year round.</i>	Chart:4245 917/98
264	<i>Sollows Rock light buoy Y17</i>	<i>SE. of rock. 43 48 50.2 66 08 40.4</i>	<i>Q G 1s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "Y17". Year round.</i>	Chart:4245 917/98



# APPENDIX "B"

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
<b>Atlantic (Cont'd)</b>							
265	Yarmouth Main Channel light buoy Y24	S. of Elders Head. 43 49 33.7 66 07 54.5	FI	R	4s	.....	Red, marked "Y24".  Year round.  Chart:4245 918/98
266	Yarmouth South Channel light buoy Y26	43 49 51.6 66 07 39.1	FI	R	4s	.....	Red, marked "Y26".  Year round.  Chart:4245 918/98
331.2 H3787.4	Stony Island Outer breakwater	On outer end of breakwater. 43 28 06.4 65 33 56.1	FI	G	12s	10.0	7 Skeleton tower. 6.6  Flash 2 s; eclipse 10 s. Year round.  Chart:4241 1306/98
348 H3778	<b>The Salvages</b>	SE. end of Island. 43 28 07.7 65 22 43.4	LFI	W	12s	16.8	15 White block. 14.9  Flash 2.5 s; eclipse 9.5 s. Emergency light. Year round.  <b>Horn</b> - Blast 2s; sil. 3s; blast 2s; sil. 3s; blast 2s; sil. 48s. Horn points 116°.  Chart:4241 1307/98
349 H3774	<b>Cape Negro Island</b>	On SE. end of island. 43 30 26.2 65 20 44.2	FI(2) 15s	W	15	27.7	16 White tower. 12.8  Visible from 187° through W., N. and E. to 106°30'. Emergency light. Year round.  <b>Horn</b> - Blast 6s; sil. 54s.  Chart:4241 1307/98
357	Shelburne light and whistle buoy S	Off entrance to Shelburne Harbour. 43 37 36 65 13 51	Mo(A)	W		.....	..... Red and white vertical stripes, marked "S".  Year round.  Chart:4241 1306/98
357.5	Bifurcation light and bell buoy SAC	43 38 18 65 13 12	FI (2+1)	R	6s	.....	..... Red, green and red, marked "SAC".  Year round.  Chart:4241 1306/98
358	Shelburne Harbour light and bell buoy SAA						Delete from List.  Chart:4209 1314/98
360	Middle Rock bifurcation light buoy SAB						Delete from List.  Chart:4209 1318/98
360.01	Gunning Cove light buoy SA51	43 41 00.1 65 20 01.8	FI	G	4s	.....	..... Green, marked "SA51".  Chart:4209 1318/98
360.02	Sandy Point Inner light buoy S56	43 42 22.8 65 19 38.4	FI	R	4s	.....	..... Red, marked "S56".  Chart:4209 1318/98
360.1	Middle Rock light buoy S52	43 40 34.8 65 18 50.4	FI	R	4s	.....	..... Red, marked "S52".  Chart:4209 1318/98
360.2 H3767	Surf Point range						Delete from list.  Chart: 4209 1318/98
360.3							
362.8	Sandy Point light and bell buoy S54	SE. Coast, Shelburne Harbour. 43 41 25.3 65 19 39.9	Q	R	1s	.....	..... Red, marked "S54".  Year round.  Chart:4209 1318/98



# APPENDIX "B"

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
363 H3764	Sandy Point	E. side of entrance to Shelburne Harbour. 43 41 29.3 65 19 32.9	F R	14.3	11	White structure. 13.4	Visible from 310° through N., E., and S. to 188°. Year round. Privately maintained.  Chart:4209 1318/98
364	Birchtown Bay light buoy SB50						Delete from list.  Chart:4209 1318/98
797	Carey Beach light and bell buoy Q1	W. of Table Rock. 46 19 06.3 60 23 15.9	Fl G 4s	.....	.....	Green, marked "Q1".	Winter spar. Year round.  Chart:4277 1149(P)/98
797.5	Carey Beach light and bell buoy Q2	46 19 05.4 60 23 21.7	Fl R 4s	.....	.....	Red, marked "Q2".	Seasonal.  Chart:4277 1149(P)/98
798	Black Rock Point light buoy Q3	N. of Black Rock Shoal. 46 18 52.2 60 23 29	Q G 1s	.....	.....	Green, marked "Q3".	Seasonal.  Chart:4277 1149(P)/98
801	Great Bras d'Or Entrance Outer light buoy Q4	W. of Black Rock Point light. 46 18 39.5 60 23 45.5	Fl R 4s	.....	.....	Red, marked "Q4".	Seasonal.  Chart:4277 1149(P)/98
801.5	Little Shoal light buoy Q5	46 18 17.2 60 24 01.6	Fl G 4s	.....	.....	Green, marked "Q5".	 Chart:4277 1149(P)/98
802	Great Bras d'Or Inner light buoy Q6	Off The Bar. 46 17 56.6 60 24 22.9	Fl R 4s	.....	.....	Red, boat type, marked "Q6".	Winter spar Year round.  Chart:4277 1149(P)/98
802.1	Gooseberry Beach light buoy Q7	46 17 53.8 60 24 21.2	Fl G 4s	.....	.....	Green, marked "Q7".	 Chart:4277 1149(P)/98
802.2	Carey Point light buoy Q8	46 17 42.7 60 24 36.6	Fl R 4s	.....	.....	Red, boat type marked "Q8".	 Chart:4277 1149(P)/98
802.5 H781	Carey Point Sector						Delete from List.  Chart:4277 1149(P)/98
804.8	Great Bras D'Or Inner light buoy Q10	46 16 26.6 60 26 49.3	Fl R 4s	.....	.....	Red, marked "Q10".	 Chart:4277 1149(P)/98
805	Chain Point Shoal light buoy Q11	46 15 39.8 60 27 32.6	Fl G 4s	.....	.....	Green, marked "Q11".	Seasonal.  Chart:4277 1149(P)/98
805.6 H788	Duncan Head						Delete from List.  Chart:4277 1149(P)/98





# APPENDIX "B"

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
810 H794	Man of War Point						Delete from List.
811.1	MacRae Point light buoy Q20	46 06 31.9 60 39 58.9	Fl R 4s	.....	.....	Red, marked "Q20".	Chart:4277 1149(P)/98
811.2	Fraser Point light buoy Q21	46 06 18.9 60 39 58.9	Fl G 4s	.....	.....	Green, marked "Q21".	Chart:4277 1149(P)/98
812	MacRae Point Shoal light buoy QA	46 06 01.7 60 40 33.8	Fl (2+1) G 6s	.....	.....	Green, red and green, marked "QA".	Winter spar Year round.  Chart:4278 1149(P)/98
819	MacIvers Point light buoy A16	46 01 58.5 60 56 01	Q R 1s	.....	.....	Red, marked "A16".	Seasonal.  Chart:4278 1149(P)/98
822	MacIvers Bank East light buoy A17	46 01 48.5 60 56 21	Fl G 4s	.....	.....	Green, marked "A17".	Seasonal.  Chart:4278 1149(P)/98
823	MacIvers Bank light buoy A19	46 01 35 60 56 57	Q G 1s	.....	.....	Green, marked "A19".	Seasonal.  Chart:4278 1149(P)/98
823.1	Little Narrows Gypsum light buoy LN3	46 02 01.6 60 55 43.6	Q G 1s	.....	.....	Green, marked "LN3"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98
823.2	Little Narrows Gypsom light buoy LN4	46 01 55.4 60 55 45.5	Fl R 4s	.....	.....	Red, marked "LN4"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98
823.3	Little Narrows Gypsum light buoy LN5	46 01 48.1 60 55 32.3	Fl G 4s	.....	.....	Green, marked "LN5"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98
823.4	Little Narrows Gypsum light buoy LN6	46 01 37.2 60 55 34.7	Q R 1s	.....	.....	Red, marked "LN6"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98
823.5	Little Narrows Gypsum light buoy LN7	46 01 28.4 60 55 35.4	Fl G 4s	.....	.....	Green, marked "LN7"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98
823.6	Little Narrows Gypsum light buoy LN8	46 01 29.2 60 55 45	Fl R 4s	.....	.....	Red, marked "LN8"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98



# APPENDIX "B"

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
823.7	Little Narrows Gypsum light buoy LN9	46 01 23.7 60 55 55.3	Fl G 4s	.....	.....	Green, marked "LN9"	Privately maintained by Little Narrows Gypsum.  Chart:4278 1149(P)/98
845.1	Great Bras D'Or (St. Ann's Bay) light buoy KP2	46 18 02 60 31 50	Fl R 4s	.....	.....	Red, marked "KP2".	Chart:4277 1149(P)/98
1016 H1040	Port Borden range						Delete from List.
1017 H1040.1							Chart:4905 954/98
1017.5 H1039	Port Borden Pier	On outer end of Ferry Pier. 46 14 42.5 63 41 58	Iso G 4s	10.1	16	White tower. 8.5	Flash 2 s; eclipse 2 s Year round. Delete Fog signal.  Chart:4905 954/98
1017.7	Strait Crossing light and whistle buoy XF	46 17 00 63 52 18	Mo(A) W	.....	.....	Red and white vertical stripes, marked "XF".	Maintained by Strait Crossing Corp. Seasonal.  Chart:4406 954/98
1017.71	Strait Crossing light buoy XB2	46 11 03 63 42 30	Fl R 4s	.....	.....	Red, marked "XB2".	Chart:4406 954/98
1017.72	Strait Crossing light buoy XB3	46 11 00 63 42 39	Fl G 4s	.....	.....	Green, marked "XB3".	Chart:4406 954/98
1017.73	Strait Crossing light buoy XB4	46 14 24 63 47 57	Fl R 4s	.....	.....	Red, marked "XB4".	Chart:4406 954/98
1017.74	Strait Crossing light buoy XB5	46 14 18 63 48 03	Fl G 4s	.....	.....	Green, marked "XB5".	Chart:4406 954/98
1017.75	Strait Crossing light and whistle buoy XB	46 09 24 63 39 54	Mo(A) W	.....	.....	Red and white vertical stripes, marked "XB".	Maintained by Strait Crossing Corp. Seasonal.  Chart:4406 954/98
1044 H1164	St. Peters	46 26 30.7 62 44 53.7	Fl W 5s	10.2	18	Square tower.	Flash 1.5 s; eclipse 3.5 s Year round.  Chart:4425 Edn 05/98
1090 H1308	Cape Tormentine Pier range						Delete from List.
1091 H1308.1							Chart:4406 954/98
1090 H1308	Cape Tormentine Outer wharf	On outer end of pier. 46 08 05.4 63 46 20	Iso R 2s	12.0	.....	Square tower, white daymark, red vertical stripe. 10.1	Flash 1 s; eclipse 1 s  Chart:4906 954/98



# APPENDIX "B"

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
1092 H1312	Cape Tormentine Entrance range						Delete from List.
1093 H1312.1							Chart:4905 954/98
1094 H1314	Cape Tormentine Inner breakwater						Delete from List.
							Chart:4905 954/98
1094	Cape Tormentine Inner Wharf	46 08 00 63 46 28	Fl R 3s	4.9	.....	Square skeleton tower. 3.8	Chart:4905 954/98
1094.4	Strait Crossing fairway light and whistle buoy PRIV						Delete from List.
							Chart:4406 954/98
1095 H1318	Cape Jourimain						Delete from List.
							Chart:4406 954/98
1096.5	Jourimain Shoal light buoy X11						Delete from List.
							Chart:4406 954/98
1102	Cape Bald (L'Aboiteau)	NW. corner of E. breakwater. 46 13 53.7 64 17 53	Fl G 3s	9.5	5	Square skeleton tower. 8.3	Flash 1 s; eclipse 2 s. Year round.
							Chart:4905 954/98
1238.45	Tabusintac light buoy TA26/2	47 18 35 64 56 33	Q R 1s	.....	.....	Red, marked "TA26/2".	Seasonal.
							Chart:Nil 1542/98
1248.6	Shippegan Gully breakwater light buoy TJ10	47 43 03.3 64 39 52.4	Fl R 4s	.....	.....	Red, marked "TJ10".	
							Chart:4920 958(P)/98
1306 H1566	Pointe de Pokesudie	NE. point of island. 47 49 11.2 64 45 15.6	Iso W 4s	10.7	8	White tower, red and white daymark. 10.4	Flash 2 s; eclipse 2 s. Seasonal.
							Chart:4913 1312/98
1330	Bathurst Harbour Entrance light buoy EP2						Delete from List.
							Chart:4920 711/98
1330.3	Bathurst Entrance light buoy EP5						Delete from List.
							Chart:4920 711/98
1330.41	Bathurst Entrance light buoy EP15						Delete from List.
							Chart:4920 711/98
1330.5	Bathurst Entrance light buoy EP22						Delete from List.
							Chart:4920 711/98
1330.6	Bathurst Entrance light buoy EP25	47 39 53 65 36 44.4	Fl G 4s	.....	.....	Green, boat type, marked "EP25".	Seasonal.
							Chart:4920 711/98



# APPENDIX "B"

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
1330.7	Bathurst Entrance light buoy EP28	47 39 30.7 65 37 05.5	Q R 1s	.....	.....	Red, boat type, marked "EP28".	Seasonal. Winter spar.  Chart:4920 711/98
1330.8	Bathurst Entrance light buoy EP29	47 39 17 65 37 12.8	Q G 1s	.....	.....	Green, boat type, marked "EP29".	Seasonal.  Chart:4920 711/98
1332.1	Bathurst Harbour light buoy EP31						Delete from List.  Chart:4920 711/98
1332.2	Bathurst Harbour light buoy EP32						Delete from List.  Chart:4920 711/98
1332.3	Bathurst Harbour light buoy EP33						Delete from List.  Chart:4920 711/98
1332.4	Bathurst Harbour light buoy EP34						Delete from List.  Chart:4920 711/98
1332.45	Bathurst Harbour light buoy EP35						Delete from List.  Chart:4920 711/98
1332.5	Bathurst Harbour light buoy EP38						Delete from List.  Chart:4920 711/98
1332.7	Bathurst Harbour light buoy EP42						Delete from List.  Chart:4920 711/98
1334.2	Bathurst Harbour light buoy EP48						Delete from List.  Chart:4920 711/98
1334.4	Bathurst Harbour light buoy EP49						Delete from List.  Chart:4920 711/98
1334.5	Bathurst Harbour bifurcation light buoy EP	47 38 01.9 65 39 06.9	Fl R 6s (2+1)	.....	.....	Red, green and red, boat type, marked "EP".	Seasonal.  Chart:4920 711/98
1335 H1603	Middle River range						Delete from List.
1336 H1603.1							Chart:4920 1144(P)/98
1336.4	Bathurst Harbour light buoy EP58						Delete from List.  Chart:4920 711/98
1336.6	Bathurst Harbour light buoy EP61						Delete from List.  Chart:4920 711/98
1371 H1658	Pointe Bonaventure						Delete from List.  Chart:4486 717/98
1404	Light buoy AF-1	48 28 14 64 18 07	Fl G 4s	.....	.....	Green, marked "AF-1".	Chart:4485 1337/98





# APPENDIX "B"

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
1404.1	Light buoy AF-3	48 28 18.3 64 18 20.1	Fl G 4s	.....	.....	Green, marked "AF-3".	Chart:4485 1337/98
1407 H1726	<b>Percé</b>						Delete from List.  Chart:4485 717/98
1479.5 H887	Pointe de l'Est  <b>Racon --. (G) X Band</b>	47 36 58 61 23 25.7	Fl W 4s	15.5	6	Square skeleton tower. 6.4	Emergency light. Year round.  Chart:4952 1339/98
1489	Étang du Nord light and bell buoy YS1						Delete from List.  Chart:4951 721/98
1489.7	Étang du Nord South Cardinal light buoy YT						Delete from List.  Chart:4951 721/98
1489.8	Étang du Nord, East Cardinal light buoy YS						Delete from List.  Chart:4951 721/98
1491.1	Étang du Nord North breakwater	On outer end. 47 22 12.2 61 57 42.1	Fl G 3s	5.4	.....	Square skeleton tower. 3.7	Flash 1 s; eclipse 2 s Emergency light. Seasonal. Delete fog signal.  Chart:4951 721/98
1496.4	Cap-aux-Meules light buoy YD4						Delete from List.  Chart:4956 721/98
1499	Île Le Corps Mort (Deadman) West Cardinal light and whistle buoy Y						Delete from List.  Chart:4951 721/98
1499.5	Millerand wharf Fog Signal						Delete from List.  Chart:4951 721/98
1507.5	Sandy Hook Channel light buoy YM7	E. of Sandy Hook. 47 15 57 61 43 24	Fl G 4s	.....	.....	Green, marked "YM7".	Year round. Winter spar.  Chart:4951 1338/98
1509 H894	Île d'Entrée	On S. side of island. 47 16 03.5 61 42 18.1	Iso W 5s	30.9	.....	White octagonal tower. 14.5	Emergency light. Year round. Delete fog signal.  Chart:4951 721/98
1651 H1828	<b>Cap de la Madeleine</b>	On cape. 49 15 03.4 65 19 34.3	Fl(3) W 30s	44.5	20	White circular tower.	Flash 2 s; eclipse 3 s; flash 2 s; eclipse 3 s; flash 2 s; eclipse 18 s Year round. Delete Emergency light.  Chart:4026 Ed. 06/98
1716 H2054	<b>Baie-Comeau</b>	On outer end of wharf. 49 14 09 68 07 45.2	Fl R 5s	12.4	15	Square skeleton tower. 9.2	Flash every 5 s Year round. Operates at night only.  Chart:1226 Edn 05/98



# APPENDIX "B"

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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## Atlantic (Cont'd)

1719 H2056	<b>Pointe de Manicouagan</b>  <b>Racon -.- (X) X &amp; S Band</b>	On point. 49 06 04.3 68 11 39.7	Fl W 5s	38.1	15	Skeleton tower. 30.5	Flash every 5 s Emergency light. Radar reflector. Year round. Operates at night only.  <b>Chart:1236 Edn 05/98</b>
1738 H2064	<b>Pointe Rocheuse</b>	On hill, E. of harbour. 48 44 21.4 69 02 55.1	Fl W 5s	19.6	15	Square skeleton tower. 15.2	Flash every 5 s Emergency light. Year round. Operates at night only.  <b>Chart:1236 Edn 05/98</b>
1755	<b>Bon Désir</b>	48 16 19.5 69 28 07.2	Fl W 6s	44.5	15	White octagonal tower, red upper portion.	Flash 1 s. eclipse 5 s. Night emergency light. Year round.  <b>Chart:1235 707/98</b>
1767	<i>Bancs de l'Île Rouge light and bell buoy H50</i>						<i>Delete from List.</i>  <b>Chart:1235 950/98</b>
1779 H2112	Pointe Noire range	On E. extremity of point. 48 07 23.8 69 43 02.2	F W F G	25.6 25.3	..... .....	Square skeleton tower, fluorescent orange daymark, black vertical stripe 10.7	Year round. Visible in line of range. Emergency light. Visible from 077° through E. and S. to 257°.
1780 H2112.1		273°04' 427m from front.	F W	39.9	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 7.6	Visible in line of range. Emergency light. Year round.  <b>Chart:1203 Edn 05/98</b>
1804.1 H2143.2							Delete from List.
1804.2 H2143.21	Batture aux Loups Marins range						<b>Chart:1209 1348/98</b>
1824.6	<i>Récif de l'Île Blanche East Cardinal light buoy</i>						<i>Delete from List.</i>  <b>Chart:1235 950/98</b>
1837	<i>Banc de l'île aux Lièvres light and bell buoy K61</i>						<i>Delete from List.</i>  <b>Chart:1234 1517/98</b>



# APPENDIX "B"

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
1844 H2194	<b>Pointe-au-Pic</b>	On inner side of wharf. 47 37 21 70 08 26	Fl R 5s	19.5	<b>20</b>	Square skeleton tower. 18.0	Flash every 5 s Emergency light. Year round. Operates at night only.  <b>Chart:1234 Edn 05/98</b>
1857.3	Light buoy K70						Delete from List.  <b>Chart:1233 1517/98</b>
1892.01	Light buoy K79						Delete from List.  <b>Chart:1233 1517/98</b>
1892.2	Light buoy K83	47 14 33 70 32 36	Q G 1s	.....	.....	Green, marked "K83".	Year round.  <b>Chart:1233 1538/98</b>
1892.6	Light buoy K87	47 11 00 70 36 38	Fl G 4s	.....	.....	Green, marked "K87".	Year round.  <b>Chart:1233 1538/98</b>
1925.51	Light buoy K153						Delete from List.  <b>Chart:1317 1519/98</b>
1925.52	Light buoy K154	46 50 32.1 71 05 08.3	Q R 1s	.....	.....	Red, marked "K154".	Year round.  <b>Chart:1317 1130/98</b>
1926	Rochers Maranda light buoy K156	Off SE. extremity of rocks. 46 50 34.1 71 06 51.3	Fl R 4s	.....	.....	Red, marked "K156".	Year round.  <b>Chart:1317 951/98</b>
1976.1 H2335.9	<b>Traverse de Saint-Antoine range</b>	On E. side of Pte. de St-Antoine. 46 40 00.3 71 34 52.7	F G		17.0	<b>15</b> Square skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 15.8	Visible in line of range. Emergency light. Year round.
1977 H2336		227°22' 321.8m from front.	F G		57.3	<b>15</b> Square skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 16.5	Visible in line of range. Emergency light. Year round.  <b>Chart:1315 Edn 05/98</b>
2025 H2364	<b>Pointe des Grondines Upper range</b>	On river bank. 46 35 06.2 72 05 53.6	F G		7.0	<b>17</b> White circular tower, fluorescent orange daymark, black vertical stripe. 6.4	Visible in line of range. Year round. Delete Night emergency light.
2026 H2364.1		047°20' 2011.7m from front.	F G		27.4	<b>17</b> White skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 13.7	Visible in line of range. Year round. Delete Night emergency light.  <b>Chart:1314 Edn 04/98</b>
2037.5	Cap Lévrard Channel light buoy D42	46 33 13.7 72 08 58.7	Fl R 4s	.....	.....	Red, marked "D42".	Winter spar.  <b>Chart:1314 1112/98</b>
2037.8	Battures Sainte- Anne light buoy D46						Delete from List.  <b>Chart:1314 1112/98</b>



# APPENDIX "B"

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
<b>Atlantic (Cont'd)</b>							
2038	Cap Lévrard light buoy D49	46 32 24.9 72 09 58	Fl G 4s	.....	.....	Green, marked "D49".	Winter spar.  Chart:1314 1112/98
2038.4	Cap Lévrard Curve light buoy D52	46 32 19.7 72 10 23.1	Q R 1s	.....	.....	Red, marked "D52".	Winter spar.  Chart:1314 1112/98
2039.5	Traverse de Batiscan Curve light buoy D56	46 31 51.2 72 11 19.3	Q R 1s	.....	.....	Red, marked "D56".	Winter spar.  Chart:1314 1112/98
2111 H2398.4	Port Saint- François wharf	On pier. 46 16 20.4 72 37 11.2	Fl Y 5s	10.1	.....	White tower. 6.1	Emergency light. Radar reflector. Year round.  Chart:1312 911/98
2112 H2398	Port Saint- François range	On pier W. of wharf. 46 16 16.4 72 37 12.5	F G	10.8	.....	White structure, fluorescent orange daymark, black vertical stripe. 11.1	Night emergency light. Visible in line of range. Year round.
2113 H2398.1		068°25' 1372.8m from front.	F G	18.8	.....	Red skeleton structure, white enclosed upper portion, fluorescent orange daymark, black vertical stripe. 14.3	Night emergency light. Visible in line of range. Year round.  Chart:1312 911/98
2120	Banc des Anglais light buoy S9						Delete from List.  Chart:1337 1516/98
2129.6	Light buoy S31	46 14 36.8 72 44 43.1	Fl G 4s	.....	.....	Green, marked "S31".	Year round.  Chart:1312 1521/98
2130	Light buoy S32	46 14 43.4 72 44 49.5	Fl R 4s	.....	.....	Red, marked "S32".	Winter spar. Year round.  Chart:1312 1521/98
2131.4	Light buoy S41						Delete from List.  Chart:1312 1516/98
2131.5	Light buoy S42						Delete from List.  Chart:1312 1516/98
2131.7	Light buoy S43	46 13 48.8 72 46 26.2	Fl G 4s	.....	.....	Green, marked "S43".	Year round.  Chart:1312 1521/98
2132	Light buoy S44	46 13 55.3 72 46 32.6	Fl R 4s	.....	.....	Red, marked "S44".	Winter spar. Year round.  Chart:1312 1521/98
2133.2	Yamachiche Anchorage light buoy A						Delete from List.  Chart:1312 1516/98
2133.21	Yamachiche Anchorage light buoy B						Delete from List.  Chart:1337 1516/98





# APPENDIX "B"

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
<b>Atlantic (Cont'd)</b>							
2133.3	Yamachiche Anchorage light buoy C						Delete from List.  Chart:1312 1516/98
2135	Light buoy S58						Delete from List.  Chart:1337 1516/98
2138	Light buoy S67	46 12 01.4 72 51 20.7	Fl G 4s	.....	.....	Green, marked "S67".	Year round.  Chart:1312 1521/98
2138.2	Light buoy S68	46 12 08.9 72 51 24.4	Fl R 4s	.....	.....	Red, marked "S68".	Winter spar. Year round.  Chart:1312 1521/98
2138.8	Light buoy S73						Delete from List.  Chart:1312 1516/98
2139	Light buoy S74						Delete from List.  Chart:1312 1516/98
2150	Light buoy S91						Delete from List.  Chart:1312 1516/98
2150.2	Light buoy S92						Delete from List.  Chart:1337 1516/98
2153	Light buoy S101						Delete from List.  Chart:1312 1516/98
2154.4	Light buoy S108						Delete from List.  Chart:1312 1516/98
2179	Île de Grâce light buoy S136						Delete from List.  Chart:1338 1516/98
2184 H2428	Sorel Basin (Lancôt Basin) range						Delete from List.  Chart:1312 Edn. 7/98
2185 H2428.1							
2185.5	Light buoy S154						Delete from List.  Chart:1338 1516/98
2276	Lano A Anchorage light buoy						Delete from List.  Chart:1338 1335/98
2276.7	Lano E Anchorage light buoy						Delete from List.  Chart:1338 1512/98
2278.2	Lano F Anchorage light buoy						Delete from List.  Chart:1338 1512/98
2280.6	Course Île Saint- Ours light buoy M10						Delete from List.  Chart:1338 1335/98



# APPENDIX "B"

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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## Atlantic (Cont'd)

2280.7	Course Île Saint-Ours light buoy M9						Delete from List.	Chart:1338 1335/98
2315 H2472		On pier W. of Contrecoeur Village. 45 51 54.8 73 15 08.2	F G	9.6	.....	White square block, fluorescent orange slatwork daymark, black vertical stripe. 7.0	Visible in line of range. Operates at night. Year round.	
2316 H2472.1	Contrecoeur-Verchères range	040°24' 1724m from front.	F G	19.5	.....	Red skeleton structure, fluorescent orange slatwork daymark, black vertical stripe. 14.8	Visible in line of range. Operates at night. Year round.	
			Iso G 2s	.....	.....		Visible from 360°.	Chart:1339 1540/98
2334.1	Varennnes South Cardinal light buoy V						Delete from List.	Chart:1310 1512/98
2337.5	Varennnes bifurcation light buoy						Delete from List.	Chart:1310 1512/98
2348	Light buoy M147						Delete from List.	Chart:1310 1512/98
2349.14	Light buoy M152						Delete from List.	Chart:1310 1335/98
2349.2	Pointe-aux-Trembles Anchorage light buoy C						Delete from List.	Chart:1310 1335/98
2349.4	Pointe-aux-Trembles Anchorage light buoy E						Delete from List.	Chart:1310 1335/98
2351	Pointe-aux-Trembles Anchorage light buoy H						Delete from List.	Chart:1310 1335/98
2354.3	Montréal East Anchorage light buoy A						Delete from List.	Chart:1310 1335/98
2358.5	Light buoy M169						Delete from List.	Chart:1310 1512/98
2365.5	Light buoy M173						Delete from List.	Chart:1310 1512/98
2373	Longueuil Anchorage light buoy A						Delete from List.	Chart:1310 1335/98
2375	Light buoy M185						Delete from List.	Chart:1310 1512/98



# APPENDIX "B"

No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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## Atlantic (Cont'd)

2376	Light buoy M187	45 32 52.1 73 31 15.6	Q G 1s	.....	.....	Green, marked "M187".	Year round. Winter spar.	Chart:1310 Edn 05/98
2380.1	Light buoy M193						Delete from List.	Chart:1310 1335/98
2385.5	Alexandra Pier light buoy M207						Delete from List.	Chart:1310 1335/98
2500	Tent Island	NS. point of island. 68 55 00 136 37 30	Fl W 4s	10.5	10	Tripod tower, orange rectangular daymark on NW. and SE. faces. 9.1	Year round	Chart:6441 Edn 05/98

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

Navigating Officer or Observer: \_\_\_\_\_ Captain: \_\_\_\_\_

Ship (or address) \_\_\_\_\_

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

General locality: \_\_\_\_\_

Subject: \_\_\_\_\_

Approx. position: \_\_\_\_\_ Lat. \_\_\_\_\_ Long. \_\_\_\_\_

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

Publications affected: (Quote Volume and page) \_\_\_\_\_

\* Full details (Attach additional sheets as necessary)

Time (UTC) \_\_\_\_\_ Date \_\_\_\_\_

**INSTRUCTIONS:**

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

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

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

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

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

**OR**

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

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