



EASTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

2100 to 2168

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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.

Table of Stage 1 DGPS Reference Stations					
Station Name	Id Nos of Ref. Stations	DGPS Station ID	Geogr. Pos. Latitude Longitude	Frequency [khz]	Bits/sec.
Alert Bay BC	300,301	909	50 35 N 126 55 W	309	200
Amphitrite Pt BC	302,303	908	48 55 N 125 33 W	315	200
Richmond BC	304,305	907	49 11 N 123 07 W	320	200
Sandspit BC	306,307	906	53 14 N 131 49 W	300	200
Cardinal ON	308,309	919	44 47 N 75 25 W	306	200
Warton ON	310,311	918	44 45 N 81 07 W	286	200
St. Jean Richelieu QUÉ	312,313	929	45 19 N 73 19 W	296	200
Lauzon QUÉ	316,317	927	46 49 N 71 10 W	309	200
Rivière-du-Loup QUÉ	318,319	926	47 46 N 69 36 W	300	200
Moisie QUÉ	320,321	925	50 12 N 66 07 W	313	200
Partridge Island NB	326,327	939	45 14 N 66 03 W	295	200
Pt. Escuminac NB	332,333	936	47 04 N 64 48 W	319	200

Western Head NS	334,335	935	43 59 N 64 39 W	312	200
Fox Island NS	336,337	934	45 20 N 61 05 W	307	200
Cape Race NFLD	338,339	940	46 46 N 53 11 W	315	200
Cape Ray NFLD	340,341	942	47 38 N 59 14 W	290	200
Cape Norman NFLD	342,343	944	51 30 N 55 49 W	310	200

DGPS USER ALERT

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

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

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

DISCREPANCY REPORT FOR DGPS USERS.

The Canadian Coast Guard is currently implementing the Differential Global Positioning System in Canada. Currently, seventeen DGPS stations are providing Initial Operational Service (IOS) in Canada. The DGPS station at Rigolet, Labrador will be installed in November 30/98.

Following a service validation period, it is expected that the DGPS service will be announced as providing a Full Operational Service (FOS) in March 1999. The fully operational DGPS service is expected to meet the advertised Levels of Service standards and all service guarantees will be provided with FOS.

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

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

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

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

User informations / Renseignements sur l'usager

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

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

IMPORTANT NOTICE TO USERS

The Canadian Coast Guard Marine Aids Modernization Program

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

1. Redundant Aids to Navigation

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

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

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

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

2. Aids to Navigation Standards

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

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

3. Private Aids to Navigation

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

NEW INITIATIVES

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

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

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

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

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

NEWFOUNDLAND REGION

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

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

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

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

MARITIMES REGION

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

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

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

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

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

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

LAURENTIAN REGION

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

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

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

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

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

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

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

CENTRAL & ARCTIC REGION

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

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

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

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

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

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

Please indicate which edition you would like to receive.

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***2168 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Editions.					
St. Lawrence River/Fleuve Saint-Laurent					
1314	Donnacona à/to Batiscan	1:40 000	Sept. 4/98	1	\$20.00
	Note: This chart incorporates Notice 170(T)/92 and incorporates and cancels Notices 679(P)/97 and 144(P)/98.				
1315	Québec à/to Donnacona	1:40 000	Sept. 25/98	1	20.00
	Note: This chart cancels Notice 546(T)/97.				
<u>Grand Banks/Grands Bancs</u>					
LC 4047	St. Pierre Bank/Banc de Saint-Pierre to/au Whale Bank/Banc de la Baleine	1:400 000	Oct. 9/98	1	20.00
	Note: This chart cancels Notice 323(P)/88 and is affected by Notices 105(T)/94 and 108(T)/94.				

(AMA8035-10-35)

(DFO-H98-100)

***2166 LAKE HURON – GRAND BEND - Fog signal remains in service.**

Reference: Notice 175(P)/94 cancelled.

(AMA8035-10-21)

(CCG-B97-042)

***2126 ST. LAWRENCE SEAWAY ABOVE CORNWALL - LAKE ONTARIO - BAY OF QUINTE - Aids to navigation.**

Reference: Notice 481(P)/93 cancelled.

(AMA8035-10-1)

(CCG-H98-069)

***2127 MANITOBA - LAKE WINNIPEG - MUKUTAWA RIVER AND APPROACH - Aids to navigation.**

Reference: Notice 312(P)/95 cancelled.

(AMA8035-10-7-12)

(CCG-H98-071)

***2135 MANITOBA – LAKE WINNIPEG - BRADBURY RIVER - Aid to navigation.**

Reference: Notice 315(P)/95 cancelled.

(AMA8035-10-5-12)

(CCG-H98-072)

***2136 GREAT LAKES – LAKE ST. CLAIR - CHENAL ÉCARTÉ - Aids to navigation.**

Reference: Notice 317(P)/95 cancelled.

(AMA8035-10-7-14)

(CCG-H98-073)

***2137 LAKE HURON - GEORGIAN BAY - Aids to navigation.**

Reference: Notice 461(P)/96 cancelled.

(AMA8035-10-5-13)

(CCG-H98-074)

***2138 LAKE SUPERIOR – Aids to navigation.**

Reference: Notice 480(P)/96 cancelled.

(AMA8035-10-21)

(CCG-H98-075)

***2139 ONTARIO - JAY ISLAND - Aids to navigation.**

Reference: Notice 576(P)/96 cancelled.

(AMA8035-10-5-13)

(CCG-H98-076)

***2140 LAKE ERIE – Aids to navigation.**

Reference: Notice 844(P)/96 cancelled.

(AMA8035-10-7-14)

(CCG-H98-078)

***2141 LAKE ERIE - WHEATLEY - Aid to navigation.**

Reference: Notice 856(P)/96 cancelled.

(AMA8035-10-7-14)

(CCG-H98-079)

***2142 GREAT LAKES – DETROIT RIVER - LIVINGSTONE CHANNEL - Aid to navigation.**

Reference: Notice 857(P)/96 cancelled.

(AMA8035-10-7-14)

(CCG-H98-080)

***2143 ONTARIO - LAKE SUPERIOR - THUNDER BAY HARBOUR AND APPROACHES - Aids to navigation.**

Reference: Notice 85(P)/97 cancelled.

(AMA8035-10-1)

(CCG-H98-081)

***2144 ONTARIO - LAKE TEMAGAMI - Aids to navigation.**

Reference: Notice 93(P)/97 cancelled.

(AMA8035-10-5-13)

(CCG-H98-082)

***2145 LAKE HURON - COVE ISLAND - Aid to navigation.**

Reference: Notice 133(P)/97 cancelled.

(AMA8035-10-5-13)

(CCG-H98-083)

***2146 LAKE HURON – SURPRISE SHOAL - Aid to navigation.**

Reference: Notice 136(P)/97 cancelled.

(AMA8035-10-5-13)

(CCG-H98-084)

***2159(P) NOVA SCOTIA - MIRA RIVER - Buoys to be discontinued and privatized.**

The Canadian Coast Guard proposes to permanently discontinue or privatize the following aids to navigation in Mira River:

Red conical buoy JC4 (46°02'01".2 N 59°57'48".8 W)
 Green can buoy JC5 (46 02 02.7 N 59 57 55.7 W)
 Red conical buoy JC6 (46 02 05.2 N 59 58 00.1 W)
 Green can buoy JC7 (46 02 07.7 N 59 58 05.9 W)
 Green can buoy JC9 (46 02 11.8 N 59 58 18.8 W)
 Green can buoy JC11 (46 02 06.4 N 59 58 39.7 W)
 Green can buoy JC13 (46 02 56.1 N 60 00 23.7 W)
 Red conical buoy JC14 (46 02 56.5 N 60 00 26 W)
 Red conical buoy JC16 (46 02 45.2 N 60 00 44.1 W)
 Red conical buoy JC18 (46 02 40.5 N 60 00 56.8 W)
 Red conical buoy JC20 (46 02 41.9 N 60 01 10.3 W)
 Red conical buoy JC22 (46 02 39.5 N 60 01 08.4 W)
 Green can buoy JC23 (46 02 38.3 N 60 01 24.7 W)
 Red conical buoy JC24 (46 02 28.7 N 60 01 25.5 W)
 Red conical buoy JC26 (46 02 13 N 60 02 36.4 W)
 Green can buoy JC27 (46 01 11.4 N 60 05 56.2 W)
 Green can buoy JC29 (46 00 46.2 N 60 07 14.9 W)
 Red conical buoy JC30 (46 00 40.9 N 60 07 22.7 W)
 Red conical buoy JC32 (46 00 09.7 N 60 08 33.3 W)
 Green can buoy JC33 (46 00 08.4 N 60 08 50.1 W)
 Green can buoy JC35 (46 00 04.9 N 60 09 00.3 W)
 Red conical buoy JC36 (45 59 53 N 60 09 42.6 W)
 Green can buoy JC37 (45 59 38.8 N 60 10 16.1 W)
 Red conical buoy JC38 (45 59 02.6 N 60 11 48.3 W)
 Green can buoy JC39 (45 58 56.3 N 60 12 03.5 W)
 Green can buoy JC41 (45 58 52.3 N 60 12 10.7 W)

Green can buoy JC43 (45 58 58.8 N 60 12 21.6 W)
 Green can buoy JC45 (45 58 50 N 60 12 26.6 W)
 Red conical buoy JC46 (45 58 46.3 N 60 12 32.6 W)
 Green can buoy JC47 (45 58 43 N 60 12 43.8 W)
 Green can buoy JC49 (45 58 42.8 N 60 12 53.8 W)
 Red conical buoy JC50 (45 58 46.9 N 60 13 01.7 W)
 Green can buoy JC51 (45 58 46.5 N 60 13 00 W)
 Green can buoy JC53 (45 58 47.1 N 60 13 04.4 W)
 Green can buoy JC55 (45 58 46 N 60 13 06.9 W)
 Green can buoy JC57 (45 58 43 N 60 13 11 W)
 Red conical buoy JC58 (45 58 35 N 60 13 17.3 W)
 Green can buoy JC59 (45 58 28.7 N 60 13 29 W)
 Green can buoy JC61 (45 58 26.5 N 60 13 46.4 W)
 Green can buoy JC63 (45 58 24.5 N 60 13 56 W)
 Green can buoy JC65 (45 58 20.3 N 60 14 06.3 W)
 Green can buoy JC67 (45 58 20.3 N 60 14 19.8 W)
 Green can buoy JC69 (45 58 13.9 N 60 14 25.5 W)
 Red conical buoy JC70 (45 58 10.9 N 60 14 35.6 W)
 Green can buoy JC71 (45 58 07 N 60 14 44.1 W)
 Red conical buoy JC72 (45 57 59.8 N 60 14 49.4 W)
 Green can buoy JC73 (45 58 04.1 N 60 15 01.2 W)
 Green can buoy JC75 (45 57 53.9 N 60 15 16.1 W)
 Red conical buoy JC76 (45 57 48.7 N 60 15 21.1 W)
 Green can buoy JC77 (45 57 29.7 N 60 16 07.2 W)
 Green can buoy JC79 (45 57 24.7 N 60 16 14.8 W)
 Green can buoy JC81 (45 57 20.1 N 60 16 21.6 W)
 Red conical buoy JC82 (45 57 11.7 N 60 16 24.5 W)
 Green can buoy JC83 (45 56 58.3 N 60 16 31.4 W)
 Red conical buoy JC84 (45 56 37.6 N 60 16 37.3 W)
 Spar buoy JC (46 01 56.1 N 59 57 38.7 W)
 Red and white fairway buoy JCC (46 02 22.2 N 60 02 05 W)
 Red and white fairway buoy JCD (46 01 10.7 N 60 04 27.9 W)
 Red and white fairway buoy JCE (47 01 06.4 N 60 06 37.4 W)
 Red and white fairway buoy JCM (46 00 23.5 N 60 07 58.3 W)
 Red and white fairway buoy JCP (45 59 47.9 N 60 10 11.9 W)
 Red and white fairway buoy JCU (45 59 22.3 N 60 10 55.6 W)
 Red and white fairway buoy JC9.1 (46 02 09.5 N 59 58 30.7 W)

Comments on this action are solicited from mariners and other interested parties and should be directed to Bev Cleaveland, Canadian Coast Guard, P.O. Box 1236, Charlottetown, P.E.I., C1A 7M8 or Dave Smith, Project Leader, Aids to Modernization Program, P.O. Box 1013, Dartmouth N.S., B2Y 3Z7, within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-5-6)

(CCG-G98-100)

***2163 NEW BRUNSWICK – SAINT JOHN RIVER - MATAQUAC LAKE - CLIFFS COVE - Buoy.**

Red conical buoy MB2 (45°52'51".5 N 66°58'25".5 W) has been discontinued.

Green can buoy marked M33 has been established at 45°52'51.5 N 66°58'25".2 W.

(AMA8035-10-5-7)

(CCG-F98-141)

***2165 NOVA SCOTIA, SOUTHEAST COAST - COFFIN ISLAND – Light remains in service.**

Reference: Notice 1753(P)/98 cancelled.

(AMA8035-10-7-7)

(CCG-F98-147)

***2148 LAKE ONTARIO – BAY OF QUINTE - NAPANEE RIVER - Aids to navigation.**

Reference: Notice 601(P)/96 cancelled.

(AMA8035-10-5-14)

(CCG-H98-077)

***2167(P) NOVA SCOTIA - PUBNICO HARBOUR - Lights and buoys to be discontinued.**

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

Chart 4210

Pubnico green light and bell buoy P1 (L.L. 298) (43°34'55".3 N 65°48'10".9 W)
 Pubnico Harbour light and Fog Signal (L.L. 299) (43°35'53".3 N 65°46'55".5 W)
 Dennis Point Wharf Light (L.L. 301) (43°37'00" N 65°47'10".4 W)
 Pubnico Harbour Inner green spar buoy P13 (43°37'40" N 65°46'53".5 W)
 Pubnico Inner red spar buoy P14 (43°37'36" N 65°46'47" W)
 Pubnico Inner green spar buoy P15 (43°37'48" N 65°46'47".5 W)
 Pubnico Inner red spar buoy P16 (43°37'50" N 65°46'39".5 W)
 Pubnico Inner green spar buoy P17 (43°37'58" N 65°46'44" W)
 Pubnico Inner red spar buoy P18 (43°38'02" N 65°46'32".5 W)
 Pubnico Inner green spar buoy P19 (43°38'09" N 65°46'36".5 W)
 Pubnico Inner red spar buoy P20 (43°38'09" N 65°46'31".5 W)
 Pubnico Inner green spar buoy P21 (43°38'11".5 N 65°46'35".5 W)
 Pubnico Inner red spar buoy P22 (43°38'14" N 65°46'28".5 W)
 Pubnico Inner green spar buoy P23 (43°38'17".5 N 65°46'32".5 W)
 Pubnico Inner red spar buoy P24 (43°38'18" N 65°46'29" W)
 Pubnico Inner green spar buoy P25 (43°38'32".5 N 65°46'31" W)
 Pubnico Inner red spar buoy P26 (43°38'32" N 65°46'22" W)
 Foster Rock green spar buoy P9 (43°37'01".3 N 65°46'59" 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-F98-154-171)

***2100 CANADIAN HYDROGRAPHIC SERVICE - Cumulative chart correction list.**

The accompanying correction list is a cumulative list of charts affected by Notices to Mariners from 28-AUGUST-98 to 30-OCTOBER-98

Chart Edition and Notices to Mariners Numbers

Chart	Edition and Notices to Mariners Numbers
1220	41(1910/98)
L/C 1221	41(1910/98)
1233	36(1713/98), 35(1538/98)
L/C 1234	44(1926/98 NEW EDITION)
L/C 1235	36(1713/98)
1310	40(1902/98), 39(1747/98 NEW EDITION)

1312	44(1923/98)
1317	35(1538/98)
1338	39(1747/98 REPRINT), 35(1540/98)
1339	35(1540/98)
1409	36(1714/98)
1410	41(1911/98)
1411	35(1545/98)
1413	36(1703/98)
2006	36(1702/98)
2054	39(1752/98)
L/C 2058	39(1752/98), 37(1718/98)
2059	44(1926/98 NEW CHART)
L/C 2060	39(1752/98, 1740/98)
L/C 2064	39(1740/98), 36(1702/98)
2069	39(1752/98), 36(1702/98)
L/C 2077	36(1704/98)
2085	36(1704/98)
L/C 2100	37(1722/98, 1719/98), 36(1705/98)
L/C 2120	37(1719/98)
L/C 2121	37(1722/98), 36(1705/98)
L/C 2122	37(1722/98)
2223	44(1937/98)
2239	44(1937/98)
2259	36(1701/98)
L/C 2300	41(1907/98)
2313	44(1935/98)
3493	37(1730/98)
3494	37(1730/98)
3534	37(1728/98)
3538	35(1537/98)
3555	35(1537/98)
3957	39(1747/98 NEW EDITION)
4000	36(1712/98)
L/C 4001	38(1737/98), 36(1712/98)
L/C 4003	41(1908/98)
L/C 4006	38(1737/98)
L/C 4015	40(1904/98)
L/C 4016	38(1737/98)
L/C 4017	43(1918/98), 40(1906/98)
L/C 4024	37(1726/98, 1725/98)
L/C 4026	44(1931/98)
L/C 4047	38(1737/98)
L/C 4049	36(1712/98)
L/C 4230	39(1747/98 REPRINT), 37(1715/98)
4277	39(1748/98, 1747/98 NEW EDITION)
4279	44(1926/98 NEW EDITION)
4328	39(1747/98 NEW EDITION)
L/C 4335	44(1926/98 NEW EDITION)
L/C 4367	43(1917/98)
4396	36(1710/98)
L/C 4406	42(1913/98)
4416	39(1747/98 NEW EDITION)
4449	39(1747/98 NEW EDITION)
4470	38(1739/98)
4471	44(1934/98, 1933/98, 1932/98)
4483	43(1916/98)
L/C 4485	37(1726/98)

L/C 4486		38(1736/98), 37(1726/98)
L/C 4520		43(1918/98)
4521		36(1707/98)
4598		40(1901/98)
L/C 4624		42(1914/98)
4634		40(1904/98)
4682		40(1903/98)
L/C 4817		38(1737/98)
4830		42(1912/98)
L/C 4831		42(1912/98)
L/C 4832		42(1912/98)
4843		43(1915/98)
L/C 4845		35(1541/98)
L/C 4846		40(1906/98)
L/C 4847		40(1906/98)
4849		44(1921/98), 40(1906/98)
L/C 4850		40(1906/98)
L/C 4851		41(1909/98), 35(1539/98)
4852		35(1539/98)
4854		44(1921/98)
4886		39(1747/98 NEW CHART)
4920		44(1926/98 NEW EDITION)
4921		44(1928/98), 38(1736/98)
4957		37(1733/98)
L/C 5030		36(1711/98)
5044		39(1754/98)
5048		36(1709/98)
5049		36(1708/98)
5051		36(1708/98)
5070		39(1747/98 NEW CHART)
5179		44(1938/98)
5706		35(1536/98)
7083		37(1729/98)
7502		39(1747/98 NEW EDITION)
7783		37(1729/98)
7784		37(1729/98), 35(1546/98 NEW CHART)
L/C 8011		36(1712/98)
L/C 8012		36(1712/98)
L/C 8014		40(1906/98)

(DFO-H98-010)

(AMA8035-10-35)

***2169(P) LAKE ERIE - Aids to navigation to be changed.**

The Canadian Coast Guard proposes to make the following changes to the aids to navigation in Lake Erie.

List of Light No	Aid Id	Aid Name	Chart	Proposed Action	Latitude			Longitude			Notes
					Deg	Min	Sec	Deg	Min	Sec	
564		Port Maitland Rear Range	2140	Discontinue	42	51	18.9390	79	34	43.0120	

605		Scudder Wharf, Inner	2181	Discontinue	41	48	48.0000	82	39	31.0000	
590		Pointe aux Pins	2122	Reduce intensity, change to Fl	42	15	33.6280	81	50	54.6870	Reduce nominal range from 10nms to 5nms
595.1	ES10 ES12	Spar ES10	2181	Discontinue							
		Spar ES12	2181	Discontinue							
		Wheatly Rear Range	2165	Discontinue	42	3	46.5680	82	27	49.8670	
609.8		Sturgeon Creek	2123	Replace light with daybeacon	42	0	31.0000	82	34	35.0000	

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

(AMA8035-10-7-12)

(CCG-H98-102)

***2170(P) LAKE ONTARIO – KINGSTON APPROACHES AND NORTH CHANNEL - Aids to navigation to be changed.**

The Canadian Coast Guard proposes to make the following changes to the aids to navigation in Lake Ontario, Kingston Approaches and North Channel.

List of Light No	Aid Id	Aid Name	Chart	Proposed Action	Latitude			Longitude			Notes
					Deg	Min	Sec	Deg	Min	Sec	
415	K5	Light Buoy K5	2017	Relocate	44	11	48.0000	76	33	01.0000	Relocate to 44 11 58N, 76 32 42W
419		Nine Mile Point	2017	Reduce intensity of Light	44	09	05.5000	76	33	21.2000	Reduce nominal range from 17nms to 13 nms
	KX2	Spar KX2	2018	Discontinue	44	11	31.0000	76	44	23.0000	
	KV2	Spar KV2	2018	Change to East Cardinal	44	13	25.0000	76	37	39.0000	
438	KU1	Spar KU1	2018	Discontinue	44	07	02.0000	76	49	50.0000	Increase nominal range from 3nms to 6nms
		Pig Point	2018	Increase Intensity	44	07	40.9300	76	48	44.5300	
439		Pleasant Point	2006	Discontinue	44	06	37.0720	76	50	37.5890	Increase nominal range from 5nms to 6nms
429		Prince Edward Point	2064	Increase Intensity and change to Iso 2s	43	56	14.0980	76	51	32.4800	
498		Port Hope	2053	Replace light with daybeacon	43	56	24.9820	78	17	25.8700	
499		Port Hope West Front Range	2053	Increase light intensity	43	56	24.1970	78	17	28.5380	Increase nominal range from 3nms to 6nms
505		Whitby Harbour Rear Range	2049	Discontinue	43	51	06.1910	78	55	39.4150	
505.8	F	Light Buoy F	2077	Discontinue	43	47	15.0000	79	05	06.0000	
537		Burlington Bay	2067	Discontinue	43	17	48.4820	79	47	56.2580	
548		Fort Mississauga	2043	Discontinue	43	15	42.8810	79	04	35.2360	

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

benefit to support their statement.

(AMA8035-10-7-12)

(CCG-H98-103)

***2171(P) LAKE ONTARIO - BAY OF QUINTE - Aids to navigation to be changed.**

The Canadian Coast Guard proposes to make the following changes to the aids to navigation in Bay of Quinte.

List of Light No	Aid Id	Aid Name	Chart	Proposed Action	Latitude			Longitude			Notes
					Deg	Min	Sec	Deg	Min	Sec	
440		Adolphus Reach	2006	Increase Intensity	44	03	49.2730	76	58	10.5810	Increase nominal range from 5 nms to 8 nms
	QH1	Spar QH1	2006	Discontinue	44	07	20.0000	77	00	52.0000	
	QD2	Spar QD2	2006	Discontinue	44	11	35.5000	77	02	41.0000	
	QD3	Spar QD3	2006	Discontinue	44	11	34.0000	77	02	42.5000	
	Q19	Spar Q19	2069	Discontinue	44	10	00.0000	77	05	52.0000	
458	Q21	Light Buoy Q21	2069	Downsize to unlit spar	44	09	56.5000	77	06	12.0000	
	Q25	Spar Q25	2069	Downsize to ORT spar	44	09	54.0000	77	06	36.0000	
	Q26	Spar Q26	2069	Downsize to ORT spar	44	09	56.0000	77	06	36.0000	
	Q29	Spar Q29	2069	Downsize and relocate	44	09	52.0000	77	07	0.	Relocate to 44 09 52.2N, 77 06 55W
	Q30	Spar Q30	2069	Downsize and relocate	44	09	54.0000	77	07	0.	Relocate to 44 09 54.5N 77 06 55W
	Q31	Spar Q31	2069	Downsize to ORT spar	44	09	51.0000	77	07	11.0000	
	Q32	Spar Q32	2069	Downsize to ORT spar	44	09	53.0000	77	07	11.0000	
	Q35	Spar Q35	2069	Downsize to ORT spar	44	09	50.0000	77	07	19.0000	
	Q37	Spar Q37	2069	Downsize to ORT spar	44	09	49.0000	77	07	27.0000	
	Q34	Spar Q34	2069	Downsize and relocate	44	09	51.5000	77	07	18.5000	
462	Q40	Light Buoy Q40	2069	Downsize from light buoy to lighted spar	44	09	48.0000	77	07	36.0000	
461	Q41	Light Buoy Q41	2069	Downsize to unlit spar	44	09	46.0000	77	07	35.0000	
	Q44	Spar Q44	2007	Discontinue	44	08	57.0000	77	12	54.0000	
	Q55	Spar Q55	2007	Discontinue	44	08	53.0000	77	22	44.5000	
	QMB	Spar QMB	2011	Discontinue	44	08	57.5000	77	22	26.8000	
	QM2	Spar QM2	2011	Discontinue	44	09	07.0000	77	22	29.0000	
	Q56\2	Spar Q56\2	2077	Establish new spar Q56\2 Re-number existing spar Q 56\2 to Q 56\4	44	08	47	77	23	40	Establish New Spar Q56\2at 44 08 55.5N, 77 22 56W Re-number Q 56\2 to Q 56\4
	Q57	Spar Q57	2069	Upgrade from spar to light buoy	44	07	44.0000	77	25	30.0000	
	Q60	Spar Q60	2069	Discontinue	44	06	40.0000	77	29	44.0000	
	Q64	Spar Q64	2069	Discontinue	44	05	57.0000	77	30	55.5000	
	Q65	Spar Q65	2069	Discontinue	44	05	49.0000	77	31	22.0000	
	Q66	Spar Q66	2069	Discontinue	44	05	52.0000	77	31	23.5000	
	Q69	Spar Q69	2069	Discontinue	44	05	37.5000	77	32	20.0000	
	Q70	Spar Q70	2069	Discontinue	44	05	41.0000	77	32	21.0000	
	Q71	Spar Q71	2069	Relocate	44	05	33.0000	77	32	49.0000	Relocate to 44 05 36.8N 77 33 15W
	QT3	Spar QT3	2069	Relocate	44	05	23.0000	77	34	14.0000	Relocate to 44 05 26N 77 34 12.5W
QT4	Spar QT4	2069	Relocate	44	05	22.0000	77	34	12.5000	Relocate to 44 05 23N 77 34 13W	
QT5	Spar QT5	2069	Discontinue	44	05	15.0000	77	34	17.0000		

479	QT6	Spar QT6	2069	Discontinue Establish new spar QT9	44	05	15.0000	77	34	14.0000	Establish at 44 04 54.5N 77 34 18W Relocate to 44 04 54.5N 77 34 13.5W
	QT9	Spar QT9	2069		44	04	54.0000	77	34	15.5000	
	QT10	Spar QT10	2069	Relocate	44	04	54.0000	77	34	15.5000	
	QT12	Spar QT12	2069	Discontinue Downsize from light buoy to lighted spar	44	04	25.0000	77	34	18.0000	
	QT	Light Buoy QT	2069		44	05	43.0000	77	34	04.0000	
	448	QP8	Light Buoy QP8	2006	Downsize from light buoy to lighted spar	44	01	00.0000	77	07		53.0000
448.5	QP9	Light Buoy QP9	2006	Downsize from light buoy to lighted spar	44	00	57.0000	77	07	51.0000	
448.6	QP13	Light Buoy QP13	2006	Downsize from light buoy to lighted spar	44	01	07.2000	77	07	45.5000	

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

(AMA8035-10-5-12)

(CCG-H98-104)

***2172(P) ST. LAWRENCE RIVER - THOUSAND ISLANDS - Aids to navigation to be changed.**

The Canadian Coast Guard proposes to make the following changes to the aids to navigation in the Mile Islands area.

List of Light No	Aid Id	Aid Name	Chart	Proposed Action	Latitude			Longitude			Notes
					Deg	Min	Sec	Deg	Min	Sec	
	U15	Spar U15	1436	Discontinue	44	24	58.5000	75	52	58.0000	
	U16	Spar U16	1436	Establish new spar							Establish at 44 24 59N, 75 53 03W
	J5/1	Spar J5/1	1438	Relocate	44	19	28.0000	76	7	42.0000	Relocate to 44 19 27N, 76 07 42W
	JEB	Spar JEB	1438	Discontinue	44	19	04.0000	76	9	41.0000	
	J6	Spar J6	1438	Discontinue	44	19	29.5000	76	8	48.0000	
	JD2	Spar JD2	1438	Discontinue	44	19	28.0000	76	9	33.0000	
	H29	Spar H29	1438	Discontinue	44	17	56.5000	76	7	04.0000	
	H30/4	Spar H30/4	1438	Discontinue	44	18	01.5000	76	7	58.0000	
	H30/2	Spar H30/2	1438	Discontinue	44	18	07.0000	76	7	43.0000	
	H30/3	Spar PV3	1438	Relocate	44	14	09.0000	76	10	49.0000	Relocate to 44 14 16N, 76 09 07W
	PV4	Spar PV4	1438	Discontinue	44	14	11.5000	76	10	43.0000	
376	PV5	Light Buoy PV5	1438	Discontinue	44	14	27.0000	76	11	05.0000	
	H45	Spar H45	1439	Discontinue	44	12	51.0000	76	25	57.5000	
	H37	Spar H37	1438	Upgrade to large plastic spar	44	14	17.0000	76	16	39.0000	
	MH2	Spar MH2	1439	Upgrade to large plastic spar	44	5	15.0000	77	26	51.0000	
	MH4	Spar MH4	1439	Upgrade to large plastic spar	44	5	44.0000	76	30	39.0000	
	KP2	Spar KP2	2064	Upgrade to large plastic spar	44	0	30.0000	76	55	06.0000	

396		KNAPP POINT	1439	Discontinue light, structure to remain	44	13	56.2100	76	23	51.9200	
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Comments on this action are solicited from mariners and other interested parties and should be directed to the Supervisor, Marine Aids Program, P.O. Box 310, 28 Waubeek St., Parry Sound, Ontario, P2A 2X4, Telephone (705) 746-2196, Facsimile (705) 746-4820 within three months of publication of this notice. Any objections should state the facts on which they are based and should include information on safety, commerce and public benefit to support their statement.

(AMA8035-10-5-12)

(CCG-H98-105)

***2164 CANADIAN HYDROGRAPHIC SERVICE - Charts affected by Notice 1747/98.**

Charts (Last correction) - 4595(1,2)(365/96) - LC 4520(3)(1918/98)

Reference: Notice 1747/98.

- | | | |
|-----------|-------------------|----------------------------------|
| 1. Delete | Chart 4548 | 49°32'05" N 55°05'07" W (approx) |
| 2. Delete | Chart 4548 | 49 30 36 N 55 03 17 W (approx) |
| 3. Amend | 4548 to read 4886 | 49 44 00 N 54 48 30 W (approx) |

NOTE: Digital data products 4520R/M and 4595R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-099)

***2150 CANADIAN HYDROGRAPHIC SERVICE - Charts affected by Notice 1926/98.**

Charts (Last correction) - 2054(NAD 27)(1)(1752/98) - 2069(NAD 27)(2)(1752/98) - LC 2058 (3)(1752/98) - LC 2060(4)(1752/98) - 2021(Sheet 1)(Murray Canal, Presqu'île Bay to à Trenton) (NAD 27)(2)

Reference: Notice 2150/98 supercedes Notice 1752/98.

- | | | |
|----------|--|-----------------|
| 1. Amend | Adjoining Charts/Cartes adjacentes
2058/2061 to read Adjoining
Charts/Cartes adjacentes
2058/2059 | in south border |
| 2. Amend | Adjoining Chart/Carte adjacente
2061 to read Adjoining Chart/Carte
adjacente 2059 | in south border |
| 3. Amend | Adjoining Chart/Carte adjacente
2061 to read Adjoining Chart/Carte
adjacente 2059 | in east border |
| 4. Amend | Adjoining Chart/Carte adjacente
2061 to read Adjoining Chart/Carte
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-H98-098)

***2152 NEWFOUNDLAND - ST. JOHN'S HARBOUR - Chart amendment patch.**

Chart (Last correction) - LC 4846(Inset, St. John's Harbour)(NAD 83)(1)(1906/98)

- | | | |
|----------|-------|----------------------------------|
| 1. Affix | patch | 47°34'00" N 52°46'00" W (approx) |
|----------|-------|----------------------------------|

NOTE: Digital data products 4846R/M, 76015(4846), 76386(4846) and 76387(4846) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-093)

***2122 NEWFOUNDLAND, SOUTHEAST COAST - RENEWS HARBOUR - Buoy.**

Chart (Last correction) - LC 4844(Inset, RenewHarbour)(NAD 27)(1,2)(1349/98)

1. Delete green light buoy MR3 46°55'28" N 52°56'36" W

2. Add green spar buoy, marked MR3 46 55 28.4 N 52 56 32 W

NOTE: Digital data products 4844R/M, 76106(4844), 76107(4844) and 76108(4844) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-351, DFO-H98-089)

***2155 NEWFOUNDLAND, EAST COAST - BONAVISTA HARBOUR - CATALINA HARBOUR - Chart amendments.**

Chart (Last correction) - 4849(Plan, Catalina and/et Port Union)(NAD 83)(1-3)(2149/98) –
4849(Plan, Bonavista Harbour)(NAD 83)(4-6)(2149/98)

1. Amend Adjoining Chart/Carte adjacente south border of plan at 53°02'30" W
4562 to read Adjoining Chart/Carte (approx)
adjacente 4853

2. Amend Adjoining Chart/Carte adjacente east border of plan at 48°30'30" N
4562 to read Adjoining Chart/Carte (approx)
adjacente 4854

3. Amend Adjoining Chart/Carte adjacente north border of plan at 52°02'30" W
4562 to read Adjoining Chart/Carte (approx)
adjacente 4854

4. Amend Adjoining Chart/Carte adjacente west border of plan at 48°48'30" N
4569 to read Adjoining Chart/Carte (approx)
adjacente 4854

5. Amend Adjoining Chart/Carte adjacente north border of plan at 53°08'12" W
4569 to read Adjoining Chart/Carte (approx)
adjacente 4854

6. Amend Adjoining Chart/Carte adjacente south border of plan at 53°08'12" W
4569 to read Adjoining Chart/Carte (approx)
adjacente 4854

NOTE: Digital data products 4849R/M and 76310(4849) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-095)

***2149 NEWFOUNDLAND, SOUTHEAST COAST - CONCEPTION BAY - Buoys and lights.**

Charts (Last correction) - 4848(Plan, Long Pond)(NAD 83)(1-5)(691/95) - 4849(Plan, Harbour Grace and/et Carbonear)(NAD 83)(6-9)(1921/98) - LC 4847(NAD 83)(4-6,11,12)(1906/98) - LC 4847 (Inset, Port de Grave)(NAD 83)(10)(1906/98)

1. Replace	green spar buoy CL15 with a green lighted spar buoy FI G, marked CL15	47°31'10".7 N 52°58'29" W
2. Replace	green spar buoy CL19 with a green lighted spar buoy FI G, marked CL19	47°31'15".2 N 52°58'20".8 W
3. Replace	green spar buoy CL25 with a green lighted spar buoy FI G, marked CL25	47 31 21 N 52 58 09.9 W
4. Replace	yellow can buoy CB with a yellow spar buoy, marked CB	47 31 28.2 N 52 58 22.2 W
5. Replace	yellow can buoy CBB with a yellow spar buoy, marked CBB	47 31 33.6 N 52 58 30 W
6. Add	green lighted spar buoy FI G, marked CG7	47 40 28 N 53 14 27.5 W
7. Add	red lighted spar buoy FI R, marked CG8	47 40 24.2 N 53 14 27.1 W
8. Add	light FI R	47 40 23.2 N 53 14 22.8 W
9. Add	light FI G	47 40 24.4 N 53 14 23 W
10. Replace	red spar buoy CP4 with a red lighted buoy QR, marked CP4	47 35 05 N 53 12 30 W
11. Add	red lighted spar buoy FI R, marked CB2	47 35 37.8 N 53 14 54 W
12. Add	red lighted spar buoy FI R, marked CB4	47 35 37.2 N 53 15 06 W

NOTE: Digital data products 4847R/M, 4848R/M, 4849R/M, 76120(4847), 76121(4847), 76122(4847), 76123(4847), 76124(4847), 76310(4849), 76398(4849), 76405(4849), 76408(4849), 76415(4849) and 76416(4849) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-191-193,196,204,205,207,312,332-335, DFO-H98-091)

***2113 NEWFOUNDLAND - BONA VISTA BAY - Buoys.**

Charts (Last correction) - 4854(NAD 83)(1-9)(1921/98) - 4855(NAD 83)(2,3,6)(550/97)

1. Add	green light buoy QG, marked J7	48°37'12" N 53°24'58".8 W
2. Add	red spar buoy, marked J12	48 34 43.1 N 53 30 02.5 W

3. Delete	green light and bell buoy, J9	48 37 44 N 53 27 03 W
4. Add	green light and bell buoy FI G, BELL, marked J9	48 38 12.6 N 53 26 19.2 W
5. Add	isolated danger spar buoy BRB, marked JK	48 37 42.1 N 53 23 53.2 W
6. Add	isolated danger spar buoy BRB, marked JR	48 37 06.7 N 53 28 44.7 W
7. Add	red light and bell buoy FI R, BELL, marked JB2	48 41 52 N 53 07 51 W
8. Add	green light buoy FI G, marked JB5	48°40'13" N 53°07'21" W
9. Add	isolated danger light and bell buoy FI(2) 10s, BELL, BRB, marked JBR	48 41 58 N 53 03 34 W

NOTE: Digital data products 4854R/M, 76338(4855) and 76340(4854) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-063-065,068,069,108-110, DFO-A98-056)

***2158 NEWFOUNDLAND, SOUTHEAST COAST - PLACENTIA BAY - COME BY CHANCE - WHIFFEN HEAD - Chart amendment patches.**

Chart (Last correction) - 4839(NAD 83)(1)(574/97) - 4839(Inset, Come by Chance and Arnold's Cove)(NAD 83)(2)(574/97)

1. Affix	Patch	47°45'48" N 54°00'00" W (approx)
2. Affix	Patch	47 46 12 N 54 00 30 W (approx)

NOTE: Digital data products 4839R/M, 76079(4839) and 76082(4839) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-089)

***2147 LABRADOR - STRAIT OF BELLE ISLE - PINWARE BAY - Chart amendment.**

Chart (Last correction) - 4668(Plan,Pinware Bay)(1,2)(1324/98)

Reference: Notice 910/98.

On certain copies.

1. Delete	red conical buoy NP6	065°00' 3.615 sea miles from St. Modeste Island light (51°35'30" N 56°41'00" W)
2. Add	red conical buoy, marked NP6	060°30' 3.615 sea miles from St. Modeste Island light

(AMA8035-10-35)

(DFO-H98-090)

***2106 NEWFOUNDLAND, SOUTH COAST - COUTEAU BAY - Buoys.**

Charts (Last correction) - 4634(1,2)(1904/98) - 4638(3,4)(161/93)

- | | | |
|-----------|-------------------------|---|
| 1. Delete | light and bell buoy QC | 47°39'27" N 58°04'40" W |
| 2. Delete | light and bell buoy QC2 | 47 40 06 N 58 04 40 W |
| 3. Delete | light and bell buoy QC | 223° 2.08 miles from Gull Island
(47°40'56" N 58°02'08" W) |
| 4. Delete | light and bell buoy QC2 | 239° 1.65 miles from Gull Island |

NOTE: Digital data product 4634R/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-N98-310,311, DFO-H98-088)

***2153 NOVA SCOTIA - SABLE ISLAND - Chart amendment patches.**

Charts (Last correction) – L/C 4099(1)(215/95) - LC 8007(NAD 27)(2)(741/96)

- | | | |
|----------|-------|----------------------------------|
| 1. Affix | patch | 43°50'00" N 60°40'00" W (approx) |
| 2. Affix | patch | 43 46 00 N 60 40 00 W (approx) |

NOTE: Digital data products 4099R/M, 8007R/M and 76137(4099) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H98-094)

***2157 NEWFOUNDLAND - LABRADOR - NAIN - TURNPIKE ISLAND - Light.**

Chart (Last correction) - 5052(NAD 83)(1)(1143/98)

- | | | |
|--------|------------|-----------------------------|
| 1. Add | light FI R | 56°36'04".9 N 61°38'09".6 W |
|--------|------------|-----------------------------|

(AMA8035-10-7-2)

(CCG-N98-366, DFO-H98-097)

***2129 ST. LAWRENCE RIVER - ÎLE AUX COUDRES - Shoal depth.**

Chart (Which was to be affected) - 1233(Inset, Îles aux Coudres)(NAD 27)

Reference: Notice 140(P)/98 cancelled.

NOTE: Digital data products 1233R/M, 79021(1233) and 79023(1233) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-131)

***2130 QUÉBEC - LAC SAINT-JEAN - PETITE DÉCHARGE - Log boom.**

Chart - 6100(Sheet 4)(Compartment D)(La GrandeDécharge et les Approches/and Approaches)
(NAD 27)(1)

1. Add	log boom	joining and	48°35'07".9 N 71°39'29".8 W 48 35 05.1 N 71 39 16.4 W
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NOTE: Digital data product 6100R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-129)

***2131 QUÉBEC - LAC SAINT-JEAN - PETITE DÉCHARGE - Log booms.**

Chart - 6100(Sheet 4)(Compartment D)(La GrandeDécharge et les Approches/and Approaches)
(NAD 27)(1-3)

1. Add	log boom	joining and	48°33'58".2 N 71°45'38".3 W 48 33 55.7 N 71 45 40 W
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2. Add	log boom	joining and	48°34'34".7 N 71°45'09".1 W 48 34 32.7 N 71 45 14.1 W
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3. Add	log boom	joining and	48 34 31.1 N 71 45 15.2 W 48 34 28.6 N 71 45 16.1 W
--------	----------	----------------	--

NOTE: Digital data product 6100R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-128)

***2132 ST. LAWRENCE RIVER - CAP-SANTÉ - Fishing stake.**

Chart (Last correction) - 1314(NAD 83)(1)(NewEdn., Sept./98)

1. Add	fishing stake	joining and	46°40'46" N 71°48'32".9 W (approx) 46 40 30.3 N 71 48 52.7 W
--------	---------------	----------------	---

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

(AMA8035-10-35)

(DFO-Q98-124)

***2112 QUÉBEC - RIVIÈRE RICHELIEU - SAINT-MARC-SUR-RICHELIEU - Pipelines.**

Chart - 1350(Sheet 3)(Saint-Antoine-sur-Richelieu à/toïle aux Cerfs)(NAD 27)(1,2)

1. Delete	pipeline sign symbol	45°40'35".2 N 73°11'26".7 W
-----------	----------------------	-----------------------------

2. Delete	pipeline sign symbol	45 40 37.5 N 73 11 38.2 W
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NOTE: Digital data product 1350R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-118)

***2111(P) ST. LAWRENCE RIVER - CONTRECOEUR - Shoal depths.**

Charts (Which will be affected) - 1338(NAD 27)(1-8) - 1339(NAD 27)(3-10)

1. Add	13 feet	45°54'10".3 N 73°13'05".5 W
2. Add	14 feet	45 53 59.9 N 73 13 20.4 W
3. Add	15 feet	45 53 12.4 N 73 14 24.1 W
4. Add	24 feet	45 51 05.5 N 73 16 11.6 W
5. Add	27 feet	45 50 46.4 N 73 16 22.9 W
6. Delete	32 feet	45 51 01.1 N 73 16 12.2 W
7. Add	24 feet	45 50 59.3 N 73 16 14.3 W
8. Add	28 feet	45 51 25 N 73 16 15.3 W
9. Add	22 feet	45 48 53.9 N 73 18 39.7 W
10. Add	16 feet	45°48'19".4 N 73°19'38".7 W

NOTE: (1) A new chart incorporating the above-mentioned changes will be available at a later date.
 (2) Digital data products 1338R/M, 1339R/M, 79010(1338) and 79013(1339) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-112)

***2134(P) ST. LAWRENCE RIVER - ÎLE BOUCHARD - Shoal depths.**

Chart (Which will be affected) - 1339(NAD 27)(1,2)

1. Delete	5 feet	45°47'38" N 73°21'00".9 W
2. Add	drying height of 0 feet	45 47 39.4 N 73 21 01.2 W

NOTE: Digital data products 1339R/M and 79013(1339) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-135)

***2151 ST. LAWRENCE RIVER - LONGUEUIL - Crib.**

Chart (Last correction) - 1310(Compartment B-C)(NAD 83)(1)(1902/98)

1. Add crib with a known depth of 0metre 45°32'59" N 73°30'18".2 W
5 decimetres

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

(AMA8035-10-35)

(DFO-Q98-133)

***2128(T) QUÉBEC - RIVIÈRE DES PRAIRIES - LAVAL - Log boom.**

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

1. Add log boom joining 45°37'29".7 N 73°38'18".8 W
and 45 37 30.5 N 73 38 17.1 W

NOTE: (1) A log boom has been temporarily established for the next two seasons of navigation. It is marked by two yellow cautionary private buoys.
(2) Digital data product 1509R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-134)

***2125(P) QUÉBEC - OTTAWA RIVER - CARILLON - Shoal depth.**

Chart (Which will be affected) - 1510(Sheet 1)(NAD 27)(1) - 1510(Sheet 1)(Inset, Carillon)(NAD 27)(2)

1. Replace 19 feet with 3 feet 45°33'53" N 74°22'31" W

2. Replace 19 feet with 3 feet 043°00' 257 metres (843 feet) from
lower left corner of inset

NOTE: (1) Additional information will be made available at a later date.
(2) Digital data product 1510R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q98-126)

***2154(P) QUÉBEC - OTTAWA RIVER - LAC DOLLARD-DES-ORMEAUX - Dangerous underwater rock.**

Chart (Which will be affected) - 1514(Compartment A-B)(Carillon à Papineauville)(NAD 83)(1)

1. Replace 2 metres 7 decimetres with a 45°33'56".6 N 74°25'44".6 W
dangerous underwater rock with a
depth of 0 metre 9 decimetres

NOTE: Additional information will be made available at a later date.

(AMA8035-10-35)

(DFO-Q98-125)

***2103 OTTAWA RIVER - LAC DES ALLUMETTES - CUSHING ISLAND - Depth.**

Chart - 1553(Sheet 1)(NAD 27)(1)

Reference: Notice 1738(P)/98 cancelled.

1. Add 1 foot 45°50'56".1 N 77°09'25".6 W

NOTE: Digital data product 1553R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-169)

***2121 LAKE ONTARIO - OSHAWA HARBOUR - Depth.**

Chart (Last correction) - 2050(NAD 27)(1)(352/97)

1. Replace 3.5m with 2.3m 43°52'03".5 N 78°49'42".5 W

NOTE: Digital data products 2050R/M and 73013(2050) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-159)

***2104 GEORGIAN BAY - PARRY SOUND HARBOUR - Buoys.**

Charts (Last correction) - 2226(NAD 27)(1,2)(699/96) - 2202(Sheet 4)(Compartment D-E)(NAD 27)(1,2) - 2202(Sheet 4)(Compartment D-E)(Inset, Parry SoundHarbour)(NAD 27)(3,4) - 2203(Sheet 1)(Compartment A-B)(Inset, Parry SoundHarbour)(NAD 27)(3,4)

1. Delete red light buoy P46 45°20'06" N 80°02'06" W

2. Add white lighted control can buoy FI Y, marked Priv 45 20 06 N 80 02 06 W

3. Delete red light buoy P46 120° 2850ft from Salt Pt. Light

4. Add white lighted control can buoy FI Y, marked Priv 120° 2850ft from Salt Pt. Light

NOTE: Digital data products 2202R/M, 2203R/M and 2226R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-13)

(CCG-D98-025,026, DFO-C98-163)

***2101 GEORGIAN BAY - RED ROCK - Light.**

Charts (Last correction) - 2225(NAD 27)(1)(444/97) - LC 2284(NAD 27)(1)(628/97) - LC 2243(NAD 27)(1)(1515/98) - LC 2201(NAD 27)(1)(1515/98)

1. Amend F 66ft 13M to read FI 7s 66ft 17M 45°21'36" N 80°24'29" W

NOTE: Digital data products 2201R/M, 2225R/M, 2243R/M, 2284R/M, 73011(2225), 73051(2284), 73053(2243) and 73097(2201) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-13)

(CCG-D98-022, DFO-C98-165)

***2110 GEORGIAN BAY - OWEN SOUND TO CABOT HEAD - Marine farm and pipeline.**

Chart (Last correction) - LC 2282(NAD 83)(1-3)(512/98)

1. Add	marine farm		44°54'24" N 81°00'50" W (approx)
2. Add	potable water intake PWI	from	44 55 09.7 N 81 00 53.3 W
		to	44 55 07.9 N 81 00 50.9 W
3. Delete	28.1		44 54 22 N 81 00 49 W

NOTE: Digital data products 2282R/M, 73076(2282), 73077(2282), 73078(2282) and 73079(2282) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-157)

***2102 LAKE ERIE - Wellheads and pipelines.**

Charts (Last correction) - LC 2121(NAD 27)(1-3,8-12)(1722/98) - LC 2122(NAD 27)(1,2,9,14)(1722/98) - LC 2120(NAD 27)(4-7)(1719/98) - LC 2100(NAD 27)(1-9,13)(1722/98)

1. Add	wellhead		42°11'36" N 81°26'06" W
2. Add	wellhead		42 12 52 N 81 26 51 W
3. Add	wellhead		42 25 27 N 80 41 07 W
4. Add	wellhead		42 39 45.1 N 79 27 44.9 W
5. Add	wellhead		42 37 50 N 79 33 13 W
6. Add	wellhead		42 41 29 N 79 23 29 W
7. Add	wellhead		42 42 48 N 79 16 11 W
8. Add	pipeline	from	42 28 15 N 80 37 51 W
		to	42 28 43.7 N 80 37 53.9 W
9. Add	pipeline	from	42°11'36" N 81°26'06" W
		to	42 11 41.3 N 81 25 43.6 W
10. Add	pipeline	from	42 25 20.2 N 80 55 54.7 W
		to	42 25 31.6 N 80 55 09.1 W
11. Delete	wellhead		42 21 06 N 80 44 04.2 W
12. Delete	wellhead		42 19 08.2 N 80 53 07 W
13. Delete	23		42 11 20 N 81 26 40 W

14. Delete 22.6 42 12 53 N 81 26 54 W

NOTE: Digital data products 2100R/M, 2120R/M, 2121R/M, 2122R/M, 73088(2121), 73090(2122), 73093(2120) and 73094(2100) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-162)

***2108 LAKE SUPERIOR - NIPIGON BAY AND APPROACHE S - MACINNES POINT - Light and beacon.**

Chart (Last correction) - 2312(U.S. Standard)(1,2)(2107/98)

Reference: Notice 450(P)/97.

1. Delete light 48°55'44" N 87°55'42" W

2. Add starboard daybeacon 48 55 44 N 87 55 42 W

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

(AMA8035-10-7-13)

(CCG-D98-032, DFO-C98-129)

***2107 LAKE SUPERIOR - NIPIGON BAY - SIMPS ON ISLAND - Lights and beacons.**

Charts (Last correction) - 2312(U.S. Standard)(1-6)(1502/98) - 2303(U.S. Standard)(1,2,4-6)(925/98)

Reference: Notices 439(P)/97 and 450(P)/97.

1. Delete light 48°50'27" N 87°41'26" W

2. Add port hand daybeacon 48 50 27 N 87 41 26 W

3. Delete light 48 56 36 N 88 02 06 W

4. Delete light buoy JC 48 50 13 N 87 36 53 W

5. Delete starboard hand daybeacon 48 50 13.8 N 87 37 04.8 W

6. Add red spar buoy, marked J4 48 50 12 N 87 36 57 W

NOTE: Digital data products 2303R/M, 2312R/M, 73062(2312), 73066(2303) and 73120(2312) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-13)

(CCG-D98-023,024,031, DFO-C98-132)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 253 — Paragraph 379, last line (re: correction promulgated in Monthly Edition No. 7/98)
 Add: A **light** (325.23) is situated on the outer end of the north pier.

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

Page 101 – Paragraph 427, last line
 Delete: 0.2 mile north
 Replace by: 0.8 mile NNE

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

Page 54 – Paragraph 99, lines 2 to 4
 Delete: “Port...Rock.”

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

Page 48 – Paragraph 92, lines 2 to 4
 Delete: “Fairway...Rock.”

Page 48 – Paragraph 92, lines 7 and 8
 Delete: “Starboard...Rock.”

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

Page 49 – Paragraph 46, lines 2 and 3
 Delete: “; a...shore”

CEN 306 — Georgian Bay, First Edition, 1998 —

Page 66 – Delete paragraph 247.

Great Lakes, Volume 2, Seventh Edition, 1993 —

Page 230 – Paragraph 116, last line – after “detached”
 Delete corrections promulgated in Monthly Editions Nos. 4 and 5 of 1997.

Page 230 – Delete paragraph 117.

Page 230 – Delete paragraph 119
 Replace by: 119 **Beacon.**
 — A port hand daybeacon stands on the NE part of Simpson Island.

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 231 – Delete paragraph 126

Replace by: 126

Beacon.

— A starboard hand daybeacon stands MacInnes Point.

Page 231 – Delete paragraph 130.

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

Chapter VI — Paragraph 155, last line

Insert: A depth of 1 foot (0.3 m) lies very close south of the track about 0.1 mile SSW of the west end of Cushing Island.

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

145.3	Couteau Bay light and bell buoy QC						Delete from List. Chart:4634 2106/98
145.4	Man Rock light and bell buoy QC2						Delete from List. Chart:4634 2106/98
325.23	Turnpike Island	56 36 04.9 61 38 09.6	Fl R 4s	.....	.....	Tower. 3.7	Year round. Chart:5052 2157/98
442.7	Western Head light and bell buoy J9	48 38 12.6 53 26 19.2	Fl G 4s	.....	.....	Green, marked "J9".	Seasonal. Chart:4854 2113/98
442.9	Brandishes light buoy J7	48 37 12 53 24 58.8	Q G 1s	.....	.....	Green, marked "J7".	Seasonal. Chart:4854 2113/98
446.1	Red Rock Shoal light buoy JB5	48 40 13 53 07 21	Fl G 4s	.....	.....	Green, marked "JB5".	Seasonal. Chart:4854 2113/98
448.4	Stone Island light and bell buoy JB2	48 41 52 53 07 51	Fl R 4s	.....	.....	Red, marked "JB2".	Seasonal. Chart:4854 2113/98
449.5	Brandy Rocks light and bell buoy JBR	48 41 58 53 03 34	Fl(2) W 10s	.....	.....	Black, red and black, marked "JBR".	Seasonal. Chart:4854 2113/98
482.5	Harbour Grace light buoy CG7	47 40 28 53 14 27.5	Fl G 4s	.....	.....	Green spar, marked "CG7"	Seasonal. Chart:4849 2149/98
482.7	Harbour Grace light buoy CG8	47 40 24.2 53 14 27.1	Fl R 4s	.....	.....	Red spar, marked "CG8".	Seasonal. Chart:4849 2149/98
482.71	Long Beach Breakwater South	47 40 23.2 53 14 22.8	Fl R 4s	.....	.....	Mast. 2.1	Flash 0.5 s; eclipse 3.5 s Chart:4849 2149/98
482.72	Long Beach Breakwater North	47 40 24.4 53 14 23	Fl G 4s	.....	.....	Mast. 2.1	Flash 0.5 s; eclipse 3.5 s Chart:4849 2149/98
484.1	Bay Roberts Channel East light buoy CB2	47 35 37.8 53 14 54	Fl R 4s	.....	.....	Red spar, marked "CB2".	Seasonal. Chart:4847 2149/98
484.2	Bay Roberts Channel West light buoy CB4	47 35 37.2 53 15 06	Fl R 4s	.....	.....	Red spar, marked "CB4"	Seasonal. Chart:4847 2149/98
487	Terry's Shoal light buoy CP4	47 35 05 53 12 30	Q R 1s	.....	.....	Red, marked "CP4".	Seasonal. Chart:4847 2149/98
498.01	Long Pond Channel light buoy CL15	47 31 10.7 52 58 29	Fl G 4s	.....	.....	Green spar, marked "CL15".	Seasonal. Chart:4848 2149/98
498.04	Long Pond Channel light buoy CL19	47 31 15.2 52 58 20.8	Fl G 4s	.....	.....	Green spar, marked "CL19".	Seasonal. Chart:4848 2149/98
498.07	Long Pond Channel light buoy CL25	47 31 21 52 58 09.9	Fl G 4s	.....	.....	Green spar, marked "CL25".	Seasonal. Chart:4848 2149/98

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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515 *Renews Harbour
light buoy MR3*

Delete from List.

**Chart:4844
2122/98**

Atlantic

1403 **Cap d'Espoir** Near extremity. Fl(4) W 31.4s 27.4 18 White octagonal tower. Flash 0.35 s; eclipse 5 s;
H1718 48 25 09.1 40.1 flash 0.35 s; eclipse 5 s; flash 0.35 s;
64 19 04.2 Year round. eclipse 5 s; flash 0.35 s; eclipse 15 s

**Chart:4485
1726/98**

2001.8 **Île Richelieu** N. side of island. F G 12.8 21 Fluorescent orange and Visible on a bearing of 160° through
H2349 46 38 33.4 white block. S. to 250°.
71 54 36.9 Increased intensity on a bearing of
211°.
Not to be used as a direction light.

F Y 11.5

Visible on a bearing of 054°.
Year round.

**Chart:1314
Edn 11/98**

Inland Waters

5 **Kahnawake Dyke** On W. end of dyke. F Y 7.6 Mast. Seasonal.
45 24 32 Operated by St. Lawrence Seaway
73 43 15 Authority.

**Chart:1409
Edn 11/98**

18.5 *Light buoy A23* 45 23 42.9 Fl G 4s Green, marked "A23". Year round.
73 47 26.7 Winter spar.

**Chart:1410
Edn 11/98**

566.16 *Bifurcation light
buoy NTB* *Delete from List.*

**Chart:2110
Edn 11/98**

566.17 *Light buoy ET2* *Delete from List.*

**Chart:2110
Edn 11/98**

566.18 *Light buoy ET1* *Delete from List.*

**Chart:2110
Edn 11/98**

566.25 *Light buoy ET11* *Delete from List.*

**Chart:2110
Edn 11/98**

566.26 *Light buoy ET12* *Delete from List.*

**Chart:2110
Edn 11/98**

566.28 *Light buoy ET14* *Delete from List.*

**Chart:2110
Edn 11/98**

774 **Grand Bend** On outer end of pier. Iso G 4s 10.7 White cylindrical tower, Year round.
43 18 49.7 green upper portion. 7.6
81 46 05.2

Horn - Blast 3s; sil. 27s
Operated by the Village of Grand
Bend.

**Chart:2260
2166/98**

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)

906	Red Rock Racon - - - (Y) X & S Band	At entrance to main channel leading to Parry Sound. 45 21 36 80 24 29	Fl W 7s	20.1	17	White building, red lower portion. 13.0	Flash 0.5 s; eclipse 6.5 s Emergency light. Seasonal. Visible 360°.	Chart:2225 2101/98
929	<i>Parry Sound</i> <i>Harbour light buoy</i> <i>P46</i>					<i>Delete from List.</i>	Chart:2226 2104/98	
929	<i>Parry Sound</i> <i>Harbour light buoy</i>	<i>On N. side of shoal.</i> 45 20 06 80 02 06	<i>Fl Y 4s</i>	<i>White and orange, marked</i> <i>"Priv".</i>	<i>Seasonal.</i>	Chart:2226 2104/98
1115	Simpson Island					Delete from List.	Chart:2312 2107/98	
1116	<i>Barwis Rock</i> <i>bifurcation light</i> <i>buoy JC</i>					<i>Delete from List.</i>	Chart:2312 2107/98	
1118	Maclnnes Point					Delete from List.	Chart:2312 2108/98	
1119	Vert Island					Delete from List.	Chart:2312 2107/98	

**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, Marine Aids,
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.