



Canada

Canada

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EASTERN EDITION OF NOTICES TO MARINERS

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NOTICES

500 to 581

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Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

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

ADVISORY

NOTICES TO SHIPPING (WRITTEN AND BROADCAST)

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

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

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

Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.

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

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

For further information contact your local Canadian Coast Guard office.

Newfoundland

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

Maritimes

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

Laurentienne

GC\SO\COR
Notices to Shipping
Phone: (418) 648-5410
Fax: (418) 648-7244
E-Mail: OPSAVIS@dfo-mpo.gc.ca

Central & Arctic

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

Pacific

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

EXPLANATORY NOTES

Geographical positions refer directly to the graduations of the largest scale Canadian Hydrographic chart unless otherwise indicated.

Bearings refer to the true compass and are measured clockwise from 000° (North) clockwise to 359°; those relating to lights are from seaward.

Visibility of lights is that in clear weather.

Depths - The units used for soundings (metres, fathoms or feet) are stated in the title of each chart.

Elevations are normally given above Higher High Water, Large Tides unless otherwise indicated.

Original Canadian Information - A star (*) adjacent to the Notice number indicates that this notice is based on original Canadian information.

Distances may be calculated as follows:

1 nautical mile	=	1 852 metres (6,076.1 feet)
1 statute mile	=	1 609.3 metres (5,280 feet)
1 metre	=	3.28 feet

Temporary & Preliminary Notices are indicated by a (T) or a (P) after the Notice number. Nautical charts and publications are not hand amended for Temporary (T) and Preliminary (P) Notices to Mariners. Listings of Charts Affected by Temporary and Preliminary Notices to Mariners are revised and promulgated quarterly, in Section I. Reference should be made to the latest published listing and to the monthly editions of Notices to Mariners published subsequently.

Please note that, in addition to the temporary and preliminary changes normally advertised as (T) and (P) Notices, there are a significant number of permanent changes to navigational aids that have been advertised as Preliminary Notices to Mariners while charts are being updated for new editions.

Marine Information Report & Suggestion Sheet - Mariners are requested to notify the responsible authorities when new or suspected dangers to navigation are discovered, changes observed in aids to navigation or corrections to publications are seen to be necessary. Such communications can be made using the *Marine Information Report & Suggestion Sheet* inserted on the last page of each monthly edition of *Notices to Mariners*.

Monthly edition of Notices to Mariners - *Notices to Mariners* are issued free of charge on a monthly basis. Mariners now have a choice between specific *Regional* issue(s) they wish to receive. Requests to be placed on or removed from the mailing list should be made by using the form inserted on page *xiii* of each monthly edition. Notification of changes to the mailing addresses, regional issues and/or number of copies required should also be transmitted by means of this form.

Canadian Nautical Charts & Publications - A source list of *Canadian Nautical Charts & publications* is published in *Notice No. 14* of the current *Annual Edition of Notices to Mariners*. The source supply and the prices effective at the time of printing are listed. This list is periodically updated in the monthly edition of *Notices to Mariners*.

NOTE: Cette publication est aussi disponible en français.

DGPS INITIAL OPERATIONAL SERVICE

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

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

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

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

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

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.
Moisie QUÉ	320,321	925	50 12 N 66 07 W	313	200
Partridge Island NB	326,327	939	45 14 N 66 03 W	295	200
Pt. Escuminac NB	332,333	936	47 04 N 64 48 W	319	200
Western Head NS	334,335	935	43 59 N 64 39 W	312	200
Fox Island NS	336,337	934	45 20 N 61 05 W	307	200
Cape Race NFLD	338,339	940	46 46 N 53 11 W	315	200
Cape Ray NFLD	340,341	942	47 38 N 59 14 W	290	200
Cape Norman NFLD	342,343	944	51 30 N 55 49 W	310	200

DGPS USER ALERT

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

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

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

DISCREPANCY REPORT FOR DGPS USERS

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

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

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

GPS "ROLLOVER" AUGUST 1999

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

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

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

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

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

User informations / Renseignements sur l'utilisateur

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

Anomaly report / Rapport d'anomalie

Date and time of the anomaly / Date et heure de l'anomalie: _____ Duration / Durée: _____
Number of satellites tracked on GPS receiver / Nombre de satellites reçu par le récepteur: _____
DGPS site using / Station DGPS utilisée: Freq.: _____ kHz SS: _____ dB SNR: _____
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: _____

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 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 light stations (major reference lights) and downsizing of others to minor lights.
5) Discontinuance of some fog horns.
6) Removal of some coastal fixed and floating aids.

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

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

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

LAURENTIAN REGION

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

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

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

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

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

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

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

CENTRAL & ARCTIC REGION

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

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

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

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

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

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Facsimile - (613) 998-8428

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LC 4003	550	9						
LC 4006	550	9						

***519 CANADIAN HYDROGRAPHIC SERVICE - Chart.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
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1. New Editions.

ST. LAWRENCE RIVER/FLEUVE SAINT-LAURENT

1317	Sault-au-Cochon à/to Québec	1:50 000	Jan. 15/99	1	\$20.00
------	-----------------------------	----------	------------	---	---------

NOTE: This chart is affected by Notices 240(P)/94 and 511/99.

(AMA8035-10-35)

(DFO-H99-066)

***579 CANADIAN HYDROGRAPHIC SERVICE - Raster Electronic Navigation Charts.**

- Notes:
- (1) The following ENC products are only available from:
Nautical Data International Inc.
P.O. Box 127, Station C
St. John's, Newfoundland
A1C 5H5
Telephone: 1-800-563-0634 or 1-709-576-0634
Facsimile: 709-576-0636
 - (2) For licencing information and rates please contact the distributor, Nautical Data International Inc. (NDI) at the above-mentioned address.

CHART	TITLE & CONTENTS	DATED	PRICE
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1. New Charts.

	Rainy Lake/Lac à La Pluie		
6106R/M	Northwest Bay to/à Ash Bay	June 21/91	(See Note 2)
6107R/M	Hostess Island to Devils Cascade	June 10/83	(See Note 2)
	Lake of the Woods/Lac des Bois		
6201R/M	Lake of the Woods	Nov. 22/91	(See Note 2)
6206R/M	Seven Sisters Falls to/à Slave Falls	Oct. 06/95	(See Note 2)
6209R/M	Brereton Lake	Sept. 04/70	(See Note 2)
	Rainy Lake/Lac à La Pluie		
6247R/M	Wightman Point to/à Whiskey Jack Portage	Feb. 19/93	(See Note 2)
6285R/M	Eaglenest Lake to/à Whitedog Dam	June 03/88	(See Note 2)

2. New Edition.

St. Lawrence River/Fleuve Saint-Laurent

1236R/M Pointe des Monts aux/to Escoumins

Sept. 25/98

(See Note 2)

(AMA8035-10-35)

(DFO-H99-065)

***521 CANADIAN HYDROGRAPHIC SERVICE CHARTS - List of hand-corrected charts for which lists of corrections are available.**

Previous Notice 501/98.

The following is a list of charts which are hand-corrected after their date of publication from information published in Notices to Mariners. A list of corrections is available for each of these charts upon requests. A list of corrections is available for each of these charts upon requests.

Chart	Édition	Chart	Édition	Chart	Édition	Chart	Édition
1310	1998	2053	1985	2218	1984	2291	1981
1338	1984	2054	1985	2221	1984	2292	1989
1339	1983	L/C 2058	1989	2222	1984	2293	1975
1409	1997	2059	1998	2223	1984	2294	1989
1410	1987	L/C 2060	1985	2225	1991	2297	1975
1411	1984	2061	Cancelled	2226	1991	2298	1975
1412	1984	L/C 2064	1989	L/C 2228	1990	2299 (2252)	1983
1413	1987	2067	1985	2235	1987	L/C 2300	1998
1414	1984	2069	1983	2239	1985	L/C 2301	1991
1434	1996	2070	1983	L/C 2243	1985	L/C 2302	1985
1435	1995	L/C 2077	1995	L/C 2244	1987	2303	1971
1436	1993	2085	1990	L/C 2245	1986	2304	1973
1437	1993	L/C 2100	1987	2250	1986	2305	1971
1438	1995	L/C 2110	1998	2251	1986	2306	1975
1439	1991	L/C 2120	1998	2257	1984	2307	1972
L/C 2000	1998	L/C 2121	1987	2258	1989	2308	1973
2006	1987	L/C 2122	1991	2259	1974	L/C 2309	1988
2007	1982	L/C 2123	1993	2268	1989	2310	1972
2017	1990	2165	1991	2273	1975	2311	1972
2018	1990	2181	1989	2274	1990	2312	1987
2042	1994	L/C 2200	1987	2282	1988	2313	1971
2043	1973	L/C 2201	1998	L/C 2284	1989	2314	1986
2049	1985	2213	1995	2286	1983	2315	1988
2050	1985	2215	1994	2289	1987	2318	1982

Copies of Notices to Mariners are available for the above charts back to the edition indicated. They may be obtained by writing to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario, K1A 0E6. Please state the latest edition date of chart.

(AMA8035-10-35)

(DFO-H99-044)

***522 CANADIAN HYDROGRAPHIC SERVICE CHARTS - List of charts not hand-corrected.**

Previous Notice 502/98.

The following is a list of charts which are not hand-corrected after their date of publication. A list of corrections is available for each of these charts upon request.

1350	2028	3056	6038	6217	6281	6408	6431
1351	2029	3057	6050	6218	6285	6409	6432

1361	2044	3058	6100	6240	6286	6410	6433
1400	2048	3061	6101	6241	6287	6411	6434
1509	2055	3062	6105	6242	6301	6412	6435
1510	2086	3080	6106	6243	6302	6413	6436
1512	2140	3311	6107	6247	6310	6414	6437
1513	2202	3312	6108	6248	6311	6415	6438
1514	2203	3313	6109	6249	6321	6416	6439
1515	2204	3488	6110	6251	6322	6417	6440
1550	2205	3489	6111	6258	6341	6418	6441
1551	2206	4141	6112	6259	6354	6419	6445
1552	2212	4142	6201	6260	6355	6420	6451
1553	2214	4145	6205	6263	6356	6421	6452
1554	2260	6021	6206	6264	6357	6422	6453
1555	2261	6022	6207	6267	6358	6423	6454
2011	2266	6023	6209	6268	6359	6424	6455
2021	2267	6026	6211	6269	6360	6425	6505
2022	2400	6028	6212	6270	6368	6426	6506
2023	3050	6030	6213	6271	6369	6427	6730
2024	3052	6035	6214	6272	6370	6428	C-4
2025	3053	6036	6215	6273	6371	6429	
2026	3055	6037	6216	6274	6390	6430	

Notices to Mariners for the correction of these charts will still be issued and mariners should continue to correct their own charts.

New printings of these charts are published periodically to bring the charts up-to-date from the latest available information.

Copies of Notices to Mariners for charts that are not hand-corrected may be obtained by writing to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario, K1A 0E6. Please state the latest edition date of chart.

(AMA8035-10-35)

(DFO-H99-045)

***578 CANADA - Amendments to Vessel Traffic Services Zones Regulatory Specifications - TP 8771.**

Effective: April 1, 1999

Table 1

Item 17: Column 1: Delete "Vancouver Traffic" and replace with "Victoria Traffic".

Item 18: Column 1: Delete "Vancouver Traffic" and replace with "Victoria Traffic".

(AMA8035-10-1)

(CCG-H99-042)

***580 CANADA - Amendments to Vessel Traffic Services Zones Regulatory Specifications - TP8771.**

Effective: January 1, 1999

1. Table 2

Item 7: Column 4: Delete and replace with "47°03'21".1 N 54°20'17".9 W

Item 15: Delete

(AMA8035-10-1)

(CCG-H99-043)

***577(P) MANITOBA - LAKE WINNIPEG - RED RIVER - Maintenance dredging.**

The Canadian Coast Guard is terminating its maintenance dredging on the Red River and Lake Winnipeg at the end of the 1999 season. Please direct responses or questions to: PauHerage, Canadian Coast Guard, Telephone (519)383-1874 or Fax (519)383-1994.

(AMA8035-10-15)

(CCG-C99-001)

***581(P) BAY OF FUNDY - PASSAMAQUODDY BAY - ST. ANDREWS - Light to be discontinued.**

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

Chart 4332

St. Andrews wharf light (L.L. 63.5) (45°04'16"6 N 67°03'20" 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.

(AMA8035-10-5-7)

(CCG-F99-006)

***539 NEWFOUNDLAND, SOUTHEAST COAST - CONCEPTION BAY - Chart amendment.**

Charts (Last correction) - 4849(Plan,Harbour Grace and/etCarbonear)(NAD 83)(1)(2155/98) –
L/C 4847(NAD 83)(1)(2149/98)

Reference: Notice 2149/98.

On certain copies.

- | | | |
|------------|---|---------------------------|
| 1. Replace | red lighted spar buoy CG7 with a
green lighted spar buoy FI G,
marked CG7 | 47°40'28" N 53°14'27".5 W |
|------------|---|---------------------------|

NOTE: Digital data products 4847R/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 AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-046)

***543 NEWFOUNDLAND, SOUTHEAST COAST - BONAVISTA BAY - MORRIS CHANNEL AND INDIAN ARM - Buoys.**

Chart (Last correction) - 4855(NAD 83)(1-3)(2113/98)

- | | | |
|--------|-----------------------------|-----------------------------|
| 1. Add | red spar buoy, marked JR4 | 48°43'14".1 N 53°47'01".3 W |
| 2. | green spar buoy, marked JS1 | 48 27 19 N 53 33 06.8 W |
| 3. | red spar buoy, marked JS2 | 48 27 16.9 N 53 33 09.5 W |

NOTE: Digital data products 76338(4855) may also be affected. Contact Nautical Data
International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-069)

***544 NEWFOUNDLAND, SOUTHEAST COAST - EAST BAY - Anchorage a rea.**

Chart (Last correction) - LC 4831(NAD 83)(1)(1912/98)

- | | | |
|-----------|----------------------------------|-------------------------|
| 1. Delete | anchorage without defined limits | 47°35'30" N 54°50'42" W |
|-----------|----------------------------------|-------------------------|

NOTE: Digital data products 4831R/M may also be affected. Contact Nautical Data
International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-030)

***572 NEWFOUNDLAND - BAY OF EXPLOITS - Buoy and light.**

Charts (Last correction) - 4595(1)(2164/98) - 4596(1)(365/96) - 4865(NAD 83)(2,3)
(New Chart, January/98)

- | | | |
|--------|--|-----------------------------|
| 1. Add | red lighted spar buoy FI R, marked
DBE4 | 49°21'36".8 N 55°04'13".3 W |
|--------|--|-----------------------------|

- | | | |
|----|--|---------------------------|
| 2. | red lighted spar buoy FI R, marked
DBE4 | 49 21 29.3 N 55 04 40.9 W |
| 3. | light FI G | 49 16 23.9 N 55 00 01 W |

NOTE: Digital data products 4595R/M, 4596R/M and 4865R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

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

(CCG-N98-375,383, DFO-H99-056)

***518 NEWFOUNDLAND, NORTHEAST COAST - ST. ANTHONYS HARBOUR - Buoys.**

Chart (Last correction) - 4514(Inset, St. Anthony Harbour)(NAD 27)(1-3)(262/97) - 4514(NAD 27)(1-3)(262/97)

- | | | |
|--------|---|-----------------------------|
| 1. Add | green spar buoy, marked KA1 | 51°22'02".4 N 55°34'54".6 W |
| 2. | red lighted spar buoy FI R, marked
KA4 | 51 21 57.6 N 55 34 46.8 W |
| 3. | red lighted spar buoy Q R, marked
KA6 | 51 22 04.5 N 55 35 00.6 W |

NOTE: Digital data products 4514R/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-N98-201-203, DFO-A98-065)

***566 NEWFOUNDLAND - LABRADOR - LABRADOR SEA - SADDLE BANK - Buoy.**

Charts (Last correction) - 4744(1)(159/99) - 5133(1)(1344/98) - 4703(NAD 27)(1)(515/99)

- | | | |
|--------|--|-------------------------|
| 1. Add | lighted isolated danger pillar buoy
BRB FI(2) 10s, marked NBT | 53°25'18" N 55°42'54" W |
|--------|--|-------------------------|

(AMA8035-10-5-2)

(CCG-N98-118, DFO-H99-052)

***515 LABRADOR COAST - INDIAN TICKLE AND TOOLE ROCK - EAST OF QUEER ISLAND - Buoys.**

Charts (Last correction) - 4745(NAD 27)(1-4)(159/99) - 4703(NAD 27)(1-4)(159/99)

- | | | |
|------------|---|-------------------------|
| 1. Add | red light buoy FI R, marked NB2 | 53°23'48" N 55°45'21" W |
| 2. | green lighted spar buoy FI G,
marked NTK5 | 53 33 33 N 56 00 00 W |
| 3. Replace | red spar buoy NTK6 with a red
lighted spar buoy FI R, marked
NTK6 | 53 33 33 N 55 59 26 W |
| 4. | red spar buoy NTK2 with a red
lighted spar buoy FI R, marked
NTK2 | 53 33 02 N 55 58 44 W |

(AMA8035-10-5-2)

(CCG-N98-233,235,236,248, DFO-A98-066)

***546 NEWFOUNDLAND - LABRADOR - ST. LEWIS SOUND - DENBIGH ISLAND - Chart amendment patches.**

Chart (Last correction) - 4701(1,2)(517/99)

- | | | |
|----------|-------|-----------------------------------|
| 1. Affix | Patch | 52°33'00" N 55°48'00" W (approx.) |
| 2. Affix | patch | 52°21'00" N 55°45'00" W (approx.) |

(AMA8035-10-35)

(DFO-H99-049)

***517 NEWFOUNDLAND - LABRADOR – ST. LEWIS SOUND - Buoys and lights.**

Charts (Last correction) - 5031(NAD 83)(1,2,5-8)(1145/98) - 5031(Inset, Battle Harbour)(NAD 83)(3)(1145/98) - 5031(Inset, Caribou Run)(NAD 83)(4)(1145/98) - LC 5030(NAD 83)(4-6)(1711/98) - 4701(9,10)(1145/98)

- | | | |
|--------|--|---------------------------|
| 1. Add | red lighted spar buoy FI R, marked NMH2 | 52°18'48" N 55°49'00" W |
| 2. | red lighted pillar buoy FI R, marked NS8 | 52 18 10.2 N 55 46 52 W |
| 3. | light FI G | 52 16 40 N 55 35 33 W |
| 4. | red spar buoy, marked NU6 | 52 15 55.2 N 55 39 49.2 W |
| 5. | lighted isolated danger pillar buoy BRB FI(2)5s, marked NS | 52 16 30.6 N 55 42 54.6 W |
| 6. | light FI G | 52 13 12.6 N 55 36 51.6 W |
| 7. | light FI 19 m | 52 17 36 N 55 41 03 W |
| 8. | light FI R | 52 20 29.5 N 55 44 46 W |
| 9. | light FI G | 52 13 10.5 N 55 36 55.5 W |
| 10. | light FI 62 ft | 52 17 33 N 55 41 06 W |

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

(CCG-N98-253-255,260,261,289,297,298, DFO-H99-041)

***573 NEWFOUNDLAND, NORTHEAST COAST - BAIE VERTE - THE SISTERS - Buoy.**

Chart (Last correction) - 4521(1)(1707/98)

Reference: Notice 1707/98.

- | | | |
|------------|---|---------------------------|
| 1. Replace | green spar buoy KV3 with a green lighted spar buoy FI G, marked KV3 | 50°03'55".8 N 56°02'57" W |
|------------|---|---------------------------|

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

(AMA8035-10-5-2)

(CCG-N98-328, DFO-H99-057)

***548 GULF OF ST. LAWRENCE - L'ANSE AU CLAIR - Buoy.**

Chart (Last correction) - 4470(1)(1739/98)

1. Add red lighted pillar buoy FI R, marked 51°24'46".8 N 57°03'37".2 W
ND6

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

(AMA8035-10-5-2)

(CCG-N98-226, DFO-H99-048)

***513 NEWFOUNDLAND - LABRADOR - SOUTH DUCK ISLANDS - Buoy.**

Chart (Last correction) - 5135(NAD 27)(1)(100/99)

1. Add green lighted pillar 54°13'27" N 57°21'36".5 W
buoy FI G, marked HD3

NOTE: Digital data products 76219(5135) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-293)(DFO-H99-040)

***500 NEWFOUNDLAND - LABRADOR - FARMYARD ISLANDS TO UKASIKSALIK ISLAND - Lights.**

Charts (Last correction) - 5048(NAD 83)(1-3)(2331/98) - 5048(Inset, Windy Tickle)(NAD 83)(1)(2331/98) - LC 5023(NAD 83)(3)(2331/98) - 4730(4)(2331/98) - LC 4700(5)(675/97) - LC 5001(Int. 405) (NAD 27)(6,7)(New Edition, Nov./94)

1. Add	light FI	55°46'36" N 60°19'42" W
2.	light FI	55 56 24 N 60 45 00 W
3.	light FI 3s 54m 6M	55 49 27 N 59 54 06 W
4.	light FI 3s 177 ft	55 51 45 N 59 55 10 W
5.	light FI	55 51 50 N 59 55 30 W
6.	Light	55 51 00 N 59 57 00 W
7.	Nanuktok (Farmyard) Is	55 48 00 N 59 48 00 W (approx.)

(AMA8035-10-7-2)

(CCG-N98-280-282)(DFO-H99-035)

***569 NEWFOUNDLAND - LABRADOR - LAKE MELVILLE - Buoy and light.**

Charts (Last correction) - 4728(NAD 27)(1)(541/99) - 5143(1,2)(NewEdn., May/86)

1. Replace green spar buoy H7 with a green lighted spar buoy FI G, marked H7 53°31'20" N 59°57'00" W

2. Add light FI 53 41 45 N 59 19 10 W

NOTE: Digital data products 76212(5143), 76213(5143), 76214(5143) and 76215(4728) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

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

(CCG-N98-250,342, DFO-H99-053)

***541 LABRADOR COAST - GOOSE BAY - HAMILTON RIVER - Submarine cable.**

Chart (Last correction) - 4728(NAD 27)(1)(NewEdn., June/95)

1. Add submarine cable joining and 53°19'51".5 N 60°11'14".5 W
53 19 08.5 N 60 10 24 W

NOTE: Digital data products 76215(4728) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-004)

***550 NOVA SCOTIA, SOUTHEAST COAST - SABLE ISLAND - Production platf orms.**

Charts (Last correction) - LC 4098(1-3)(741/96) - LC 4099(1)(2153/98) - LC 8007(NAD 27)(1,3) (2153/98) - LC 4013(NAD 27)(1,2)(321/99) - LC 4045(NAD 27)(2,3)(168/99) - LC 4003(NAD 27)(1-3) (1908/98) - LC 4001(Int. 404)(NAD 83)(1-3)(335/99) - LC 4006(NAD 27)(1-3)(1737/98) - 4000(1-3) (1712/98)

1. Add production platform and legend Thebaud 43°53'28".2 N 60°12'00" W

2. production platform and legend Venture 44 01 59.9 N 59 34 57.1 W

3. production platform and legend North Triumph 43 41 56.2 N 59 51 16.4 W

NOTE: Digital data products 4003R/M, 4013R/M, 4045R/M, 4098R/M, 4099R/M, 8007R/M, 76030(4001), 76031(4006), 76090(4045), 76137(4099), 76204(4013), 76289(4098) and 76345(4000) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-015)

***504 NOVA SCOTIA, SOUTHEAST COAST - BRAS D'OR LAKE - Buoy.**

Chart (Last correction) - 4279(NAD 83)(1)(New Edition, Aug./98)

1. Delete ODAS light buoy 44131 45°50'52".3 N 60°48'53".8 W

NOTE: Digital data products 4279R/M and 76272(4279) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-210)(DFO-H99-037)

***549(T) GULF OF ST. LAWRENCE - ÎLE D'ANTICOSTI - Scientific equipment established temporarily.**

Chart (Temporarily affected) - LC 4025(NAD 27)(1)

1. Add obstruction with a depth known of 48°52'33".3 N 61°00'32".8 W
19 fathoms

NOTE: (1) It is anticipated that the above scientific equipment will be removed by mid-August 1999.
(2) Digital data products 4025R/M and 79043(4025) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-018)

***508 NEWFOUNDLAND - LABRADOR - DAVIS INLET TO SENIARTLIT ISLANDS - Chart amendment.**

Chart (Last correction) - 5049(NAD 83)(1)(124/99)

1. Amend Adjoining Chart/Carte adjacente in north border of
4748 to read Adjoining Chart/Carte chart at 61°07'30" W
adjacente 5052

(AMA8035-10-35)

(DFO-H99-038)

***553 NOVA SCOTIA, SOUTHEAST COAST - CAPE ST. MARYS - SOUTHEAST OF WALTER ISLAND - Buoy.**

Chart (Last correction) - LC 4234(NAD 83)(1)(324/99)

1. Delete green light and bell buoy VH3 45°03'12".5 N 61°48'24" W

NOTE: Digital data products 4234R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G98-068, DFO-A98-071)

***564 NOVA SCOTIA, SOUTHEAST COAST - SHIP HARBOUR - Buoys.**

Charts (Last correction) - LC 4236(NAD 83)(1-4)(470/97) - LC 4320(NAD 83)(1-4)(562/99) -
LC 4013(NAD 27)(3,4)(550/99) - LC 4227(NAD 83)(3)(324/99) - LC 8007(NAD 27)(3,4)(550/99)

1. Delete bifurcation light and bell buoy YY 44°40'15" N 63°05'28".5 W

2. red light and whistle buoy YT4 44 38 57 N 62 59 00 W

3. red light and whistle buoy Y28 44 35 16.5 N 62 49 19 W
4. light and whistle buoy HH 44 36 03 N 63 09 57 W

NOTE: Digital data products 4013R/M, 4227R/M, 4236R/M, 4320R/M, 8007R/M, 76055(4320), 76061(4227), 76083(4236) and 76204(4013) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-123,127,134,135, DFO-A82-098)

***568 NOVA SCOTIA, SOUTHEAST COAST - APPROACHES TO HALIFAX HARBOUR - Submarine cable.**

Chart (Last correction) - LC 4237(Int. 4631)(1)(Inset,Sambro Harbour)(NAD 83)(2)(963/98)

1. Add submarine cable joining 44°22'58".6 N 63°39'14".7 W
 44 23 24 N 63 36 15.6 W
 44 24 54 N 63 34 57.6 W
 44 25 42 N 63 34 39.6 W
 44 26 49.8 N 63 35 40.2 W
 44 27 22.8 N 63 36 24 W
 44 27 30 N 63 36 54 W
 and 44 27 39.2 N 63 36 59.7 W
2. submarine cable joining 44 26 46 N 63 35 37.8 W
 44 26 49.8 N 63 35 40.2 W
 44 27 22.8 N 63 36 24 W
 and 44 27 24.7 N 63 36 32 W

NOTE: Digital data products 4237R/M, 76009(4237) and 76010(4237) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-094)

***555 NOVA SCOTIA, SOUTHEAST COAST - PENNANT POINT - Buoy.**

Charts (Last correction) - LC 4385(NAD 83)(1)(465/97) - LC 4320(NAD 83)(1)(963/98)

Reference: Notice 130(P)/97

1. Delete red light and whistle buoy A30 44°23'57".5 N 63°39'45" W

NOTE: Digital data products 4320R/M, 4385R/M, 76055(4320) and 76189(4385) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-128, DFO-A98-086)

***567 NOVA SCOTIA, SOUTHEAST COAST - ST. MARGARET'S BAY - Submarine cable.**

Chart (Last correction) - 4386(NAD 27)(1)(560/99)

1. Add submarine cable joining 44°21'25" N 63°50'09" W

and 44 22 03 N 63 45 45 W

NOTE: Digital data products 4386R/M and 76195(4386) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-095)

***560 NOVA SCOTIA, SOUTHEAST COAST - ST. MARGARET'S BAY - Buoys.**

Charts (Last correction) - 4386(NAD 27)(1,2)(813/93) - LC 4320(NAD 83)(1)(555/99)

Reference: Notice 130(P)/97.

- | | | |
|-----------|---------------------------|-------------------------|
| 1. Delete | light and bell buoy DA | 44°28'28" N 63°55'47" W |
| 2. | light and whistle buoy DP | 44 32 12 N 64 00 09 W |

NOTE: Digital data products 4320R/M, 4386R/M, 76055(4320) and 76195(4386) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-124,130, DFO-A98-088)

***562 NOVA SCOTIA, SOUTHEAST COAST - PENNANT POINT - Submarine cable.**

Chart (Last correction) - LC 4320(NAD 83)(1)(560/99)

- | | | | |
|--------|-----------------|---------|---------------------------|
| 1. Add | submarine cable | joining | 43°55'00".4 N 64°08'27" W |
| | | | 43 55 45.6 N 64 08 07.8 W |
| | | | 43 56 27.6 N 64 07 43.8 W |
| | | | 44 58 36 N 64 07 00 W |
| | | | 44 00 42 N 64 06 00 W |
| | | | 44 02 48 N 64 03 00 W |
| | | | 44 20 00 N 64 00 00 W |
| | | | 44 23 24 N 63 36 15.6 W |
| | | | 44 24 54 N 63 34 57.6 W |
| | | | 44 25 42 N 63 34 39.6 W |
| | | | 44 26 49.8 N 63 35 40.2 W |
| | | | 44 27 22.8 N 63 36 24 W |
| | | | 44 27 30 N 63 36 54 W |
| | | and | 44 27 38 N 63 37 00 W |

NOTE: Digital data products 4320R/M and 76055(4320) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-093)

***552 GULF OF ST. LAWRENCE - BAIE DE GASPÉ - ANSE À BRILLANT - Buoy.**

Chart (Last correction) - LC 4485(NAD 83)(1)(1726/98)

- | | | |
|-----------|------|-----------------------------|
| 1. Delete | BELL | 48°43'41".5 N 64°17'04".6 W |
|-----------|------|-----------------------------|

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

(AMA8035-10-5-9)

(CCG-L99-005, DFO-Q99-021)

***503 PRINCE EDWARD ISLAND, WEST COAST - HOWARDS C OVE - Fog signal.**

Charts (Last correction) - LC 4906(NAD 83)(1)(964/98) - LC 4023(NAD 27)(1)(321/99)

1. Delete fog signal 46°44'24".6 N 64°22'39".1 W

NOTE: Digital data products 4023R/M, 4906R/M, 76062(4906) and 76286(4023) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-21)

(CCG-G98-085)(DFO-H99-036)

***540 NEW BRUNSWICK, NORTHEAST COAST - LAMÈQUE - Chart amendment patch.**

Chart (Last correction) - 4920(Plan,Lamèque)(NAD 83)(1)(NewEdn., Sept./98)

1. Affix patch 47°47'30" N 64°39'30" W (approx.)

NOTE: Digital data products 4920R/M and 76264(4920) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-047)

***551(P) GULF OF ST. LAWRENCE - CHALEUR BAY - CHANDLER - Shoal depths.**

Chart (Which will be affected) - 4921(Inset,Quai/Wharf Chandler)(NAD 83)(1-24)

1. Replace	6 metres 6 decimetres with 6 metres 3 decimetres	48°20'36".8 N 64°39'30".9 W
2.	7 metres 6 decimetres with 7 metres 1 decimetre	48 20 35.7 N 64 39 27.7 W
3.	8 metres 7 decimetres with 8 metres 4 decimetres	48 20 33.2 N 64 39 28.1 W
4.	8 metres with 7 metres 5 decimetres	48 20 34.7 N 64 39 32.4 W
5. Delete	9 metres 5 decimetres	48 20 32.9 N 64 39 34.6 W
6. Replace	8 metres 8 decimetres with 8 metres 2 decimetres	48 20 31.6 N 64 39 38.5 W
7.	9 metres 3 decimetres with 8 metres 8 decimetres	48 20 28.3 N 64 39 39.8 W

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8. Add	8 metres 1 decimetre	48 20 28.8 N 64 39 29.4 W
9. Delete	9 metres 5 decimetres	48 20 25.3 N 64 39 37.9 W
10. Add	9 metres 1 decimetre	48 20 25.3 N 64 39 38.8 W
11.	8 metres 3 decimetres	48 20 24.6 N 64 39 37.1 W
12. Delete	10 metres 7 decimetres	48 20 23.6 N 64 39 34.1 W
13. Add	10 metres 4 decimetres	48 20 23.2 N 64 39 33 W
14. Replace	11 metres 5 decimetres with 11 metres 1 decimetre	48 20 22.1 N 64 39 29.9 W
15.	11 metres with 10 metres 5 decimetres	48 20 24.9 N 64 39 29.1 W
16. Add	10 metres	48 20 27.1 N 64 39 27.8 W
17. Replace	10 metres 2 decimetres with 9 metres 9 decimetres	48 20 29.2 N 64 39 26.6 W
18.	10 metres 6 decimetres with 10 metres 2 decimetres	48 20 30.5 N 64 39 22.3 W
19.	11 metres 3 decimetres with 11 metres	48 20 26.3 N 64 39 25.7 W
20.	12 metres 1 decimetre with 11 metres 8 decimetres	48 20 27.8 N 64 39 21.7 W
21.	12 metres 6 decimetres with 12 metres 3 decimetres	48 20 27.8 N 64 39 15.9 W
22.	12 metres 2 decimetres with 11 metres 9 decimetres	48 20 22.8 N 64 39 24.8 W
23. Replace	12 metres 7 decimetres with 12 metres 3 decimetres	48°20'24".4 N 64°39'20".6 W
24. Amend	legend 9.8m (1991) to read 9,0m (1999)	48 20 30.1 N 64 39 32.7 W (approx.)

NOTE: (1) A chart amendment patch showing the above changes will be available at a later date.
(2) Digital data products 4921R/M and 79072(4921) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-019)

***547 GULF OF ST. LAWRENCE - CHALEUR BAY - CHANDLER - Shoal depths.**

Chart (Last correction) - 4921(Plan, Chandler)(NAD 83)(1-4)(140/99)

1. Add	8 metres 3 decimetres	48°20'24".6 N 64°39'37".1 W
2. Replace	12 metres 2 decimetres with	48 20 20.9 N 64 39 33.3 W

11 metres 2 decimetres

- | | | |
|------------|---|---------------------------|
| 3. Add | 10 metres | 48 20 27.1 N 64 39 27.8 W |
| 4. Replace | 12 metres 7 decimetres with
12 metres 2 decimetres | 48 20 23.7 N 64 39 22 W |

NOTE: Digital data products 4921R/M and 79071(4921) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-020)

***524 NEW BRUNSWICK - NORTHUMBERLAND STRAIT - KOUCHIBOUGUAC RIVER - Submarine cable.**

Chart (Last correction) - LC 4906(NAD 83)(1)(503/99)

- | | | | |
|--------|-----------------|----------------|--|
| 1. Add | submarine cable | joining
and | 46°49'48" N 64°56'12" W (approx.)
46 49 54 N 64 56 09 W (approx.) |
|--------|-----------------|----------------|--|

NOTE: Digital data products 4906R/M and 76062(4906) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-006)

***561 BAY OF FUNDY - MINAS CHANNEL - ÎLE HAUTE - Light.**

Chart (Which was to be affected) – L/C 4010(NAD 27)

Reference: Notice 70(P)/93 cancelled.

NOTE: Digital data products 4010R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-7)

(CCG-F98-198, DFO-A99-018)

***554(P) GULF OF ST. LAWRENCE - CHALEUR BAY - RUISSEAU LEBLANC - Light.**

Chart (Which will be affected) - LC 4486(NAD 27)(1)

- | | | |
|-----------|-------|-----------------------------|
| 1. Delete | light | 48°04'38".8 N 65°36'47".9 W |
|-----------|-------|-----------------------------|

NOTE: (1) A new edition incorporating the above-mentioned change will be available at a later date.
(2) Digital data products 4486R/M and 76187(4486) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L99-006, DFO-Q99-022)

***512 NOVA SCOTIA, SOUTHEAST COAST - Firing practice and exercise areas.**

Chart (Last correction) - LC 4230(NAD 83)(1,2)(308/99)

Reference: Notice 1153/98

1. Delete	exercise area limit	joining and	43°30'00" N 66°00'00" W 43 04 00 N 66 0000 W
2. Add	exercise area limit	joining and	43 43 32.5 N 66 00 00 W 43 04 00 N 66 0000 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-H99-039)

***570(P) ST. LAWRENCE RIVER - MOISIE - Outfall and crib.**

Chart (Which will be affected) - LC 1221(NAD 27)(1,2)

1. Add	outfall	joining and	50°11'18".2 N 66°08'33".3 W 50 11 02.8 N 66 08 35.1 W
2.	crib with a depth known of 0metre 7 decimetres		50 11 02.8 N 66 08 35.1 W

NOTE: (1) A new edition incorporating the above-mentioned changes will be available at a later date.
(2) Digital data products 1221R/M and 79028(1221) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-024)

***563 ST. LAWRENCE RIVER - MATANE - Shoal depths.**

Chart (Which was to be affected) - LC 1236(Inset,Matane)(NAD 83)

Reference: Notice 719(P)/98 cancelled.

NOTE: Digital data products 79040(1236) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-023)

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

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

Reference: Notice 2330(T)/98 cancelled.

1. Light			48°44'17".1 N 69°02'54".6 W
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- NOTE:
- (1) Experimental reflective light panels have been installed on light structure (LL 1737) at the end of Baie Verte breakwater. The upper portion is painted white and the lower portion is red. The light is discontinued until further notice. Mariners are invited to forward their comments to: Aids to Navigation Office, 101 boul. Champlain, Québec, Québec G1K 7Y7
 - (2) There was an error in the coordinates shown in Notice 2330(T)/98.
 - (3) Digital data products 1236R/M and 79039(1236) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L99-004)(DFO-Q99-014)

***509 ST. LAWRENCE RIVER – BAIE VERTE – Chart amendment.**

Chart (Last correction) – LC 1236(Inset,Baie Verte)(NAD 83)(1)(317/99)

1. Reposition	light	from	48°44'16" N 69°02'55".1 W
		to	48 44 17.1 N 69 02 54.6 W

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

(AMA8035-10-7-9)

(CCG-L99-003)(DFO-Q99-013)

***542 ST. LAWRENCE RIVER - CAP-À-L'AIGLE - Shoal depths.**

Chart (Last correction) - LC 1234(Inset, Cap-à-l'Aigle)(NAD 83)(1-5)(NewEdn. July/98)

1. Amend	13 metres 1 decimetre to read 12 metres 6 decimetres	47°39'40" N 70°05'47".5 W
2.	14 metres 3 decimetres to read 13 metres 6 decimetres	47 39 42.9 N 70 05 43.5 W
3.	6 metres 7 decimetres to read 6 metres 1 decimetre	47 39 43.1 N 70 05 45.4 W
4.	4 metres 1 decimetre to read 3 metres 8 decimetres	47 39 43.5 N 70 05 46.5 W
5. Add	5 metres	47 39 43.5 N 70 05 45.6 W

NOTE: Digital data products 1234R/M and 79034(1234) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-007)

***575(P) ST. LAWRENCE RIVER - ÎLE AUX COUDRES - Submarine cables.**

Chart (Which will be affected) - 1233(NAD 27)(1-3)

1. Add	submarine cable	joining	47°27'46".1 N 70°20'24".1 W
--------	-----------------	---------	-----------------------------

			47 27 18.3 N 70 20 14.4 W
			47 25 43.5 N 70 19 35.3 W
			47 25 36.2 N 70 19 32.5 W
		and	47 25 29.3 N 70 19 39.3 W
2. Add	submarine cable	joining	47°27'18".3 N 70°20'14".4 W
			47 27 12 N 70 20 14.8 W
			47 25 48.7 N 70 19 40.7 W
		and	47 25 43.5 N 70 19 35.3 W
3.	submarine cable	Joining	47 27 18.3 N 70 20 14.4 W
			47 27 12.9 N 70 20 09.1 W
			47 25 50.1 N 70 19 34.5 W
		and	47 25 43.5 N 70 19 35.3 W

NOTE: (1) A new edition incorporating the above-mentioned changes will be available at a later date.
 (2) Digital data products 1233R/M and 79021(1233) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-015)

*576 ST. LAWRENCE RIVER - ÎLE AUX COUDRES - Submarine cables.

Chart (Last correction) - LC 1234(NAD 83)(1-3)(542/99)

1. Add	submarine cable	joining	47°27'46".2 N 70°20'24".1 W
			47 27 18.3 N 70 20 14.4 W
		and	47 26 00 N 70 19 42.1 W
2.	submarine cable	joining	47 27 18.3 N 70 20 14.4 W
			47 27 12 N 70 20 14.8 W
		and	47 26 00 N 70 19 46 W
3.	submarine cable	joining	47 27 18.3 N 70 20 14.4 W
			47 27 12.9 N 70 20 09.1 W
		and	47 26 00 N 70 19 38 W

NOTE: Digital data products 1234R/M and 79029 (1234) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-016)

*511 ST. LAWRENCE RIVER – LÉVIS – Intake pipe and crib.

Chart (Last correction) – 1317(Continuation A)(NAD 83)(1,2) (NewEdn. Jan./99)

1. Add	intake pipe	joining	46°49'43".2 N 71°09'07".3 W
			46 49 53.8 N 71 09 04.4 W
		and	46 49 58.2 N 71 09 02.7 W
2.	crib with a depth known of 2 metres 3 decimetres		46 49 58.2 N 71 09 02.7 W

NOTE: Digital data products 1317R/M and 79082(1317) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-009)

***514 QUÉBEC - LAC MEMPHRÉMAGOG - ÎLES LES TROIS SOEURS - Dangerous rock.**

Chart - 1361(Compartment A-B)(1)

1. Replace 12 with a dangerous underwater rock of known depth of 3 feet 45°14'35" N 72°10'51" W

(AMA8035-10-35)

(DFO-Q99-012)

***506 ST. LAWRENCE RIVER – SOREL – Chart amendment patch.**

Chart (Last correction) – 1338(NAD 27)(1)(1540/98)

Reference: Notices 1140(P)/98 and 164(P)/99 cancelled.

1. Affix patch 46°03'00" N 73°07'00" W (approx.)

NOTE: Digital data products 1338R/M and 79010(1338) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-005)

***502(P) ST. LAWRENCE RIVER – CONTRECOEUR – ÎLE SAINTE-THÉRÈSE – Submarine cables abandoned.**

Charts (Which will be affected) – 1338(NAD 27)(1,2) – 1339(NAD 27)(1-4)

1. Add Aband 45°52'32" N 73°13'40" W (approx.)

2. Aband 45 52 09 N 73 14 54 W (approx.)

3. Aband 45 42 08 N 73 27 25 W (approx.)

4. Aband 45 42 30 N 73 26 55 W (approx.)

NOTE: (1) A new edition incorporating the abovementioned 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-Q99-008)

***545 ST. LAWRENCE RIVER - ÎLE TEKAKWITHA - Breakwater.**

Charts (Last correction) - 1409(NAD 83)(1)(135/99) - 1410(NAD 83)(1)(1911/98)

1. Add breakwater joining 45°24'37".1 N 73°42'29".3 W
and 45 24 34.2 N 73 42 28.5 W

NOTE: Digital data products 1409R/M, 1410R/M, 79042(1409) and 79045(1410) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-017)

***527 ST. LAWRENCE SEAWAY - CANAL DE BEAUHARNOIS - Light buoy.**

Chart (Last correction) - 1411(NAD 27)(1)(108/99)

1. Add red light buoy FI R, marked C10 45°14'39".5 N 73°59'06" W

NOTE: Digital data products 1411R/M, 73022(1411) and 73023(1411) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B98-062, DFO-C98-080)

***530 ONTARIO - RIDEAU WATERWAY - KARS - Marina.**

Chart - 1512(Sheet 2)(Compartment B-C)(Long Island to Becketts Landing)(NAD 27)(1)

1. Add marina symbol 45°09'30".5 N 75°38'24".5 W

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

(AMA8035-10-35)

(DFO-C98-201)

***532 ST. LAWRENCE SEAWAY - WHALEBACK SHOAL - COLE BAY - Light.**

Charts (Last correction) - 1435(Compartment B-C)(NAD 83)(1)(105/99) - 1436(NAD 83)(1)(943/98)

1. Add light FI R, marked 150 44°31'46" N 75°45'16".9 W

NOTE: Digital data products 1435R/M, 1436R/M, 73033(1435), 73035(1436), 73112(1435) and 73113(1435) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-14)

(CCG-B98-064, DFO-C98-171)

***526 ONTARIO - RIDEAU WATERWAY - Daybeacons and buoy.**

Chart - 1512(Sheet 2)(Inset, Long Island)(NAD 27)(1,2) - 1512(Sheet 3)(Inset, Merrickville)(NAD 27)(3)

Reference: Notice 1717/98.

1. Delete daybeacon N62 See Inset, Long Island

- | | | | |
|----|------------------------------|------|---|
| 2. | daybeacon N64 | | See Inset, Long Island |
| 3. | Reposition red spar buoy NM8 | from | 288° 387 feet from buoy NM10
(44°55'03" N 75°50'27" W) |
| | | to | 269° 370 feet from buoy NM10 |

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

(AMA8035-10-35)

(DFO-C98-184)

***529 TRENT-SEVERN WATERWAY - LINDSAY - Buoy.**

Chart - 2026(Sheet 1)(Inset, Lindsay)(NAD 27)(1)

- | | | |
|----|-------------------------------------|-------------------------|
| 1. | Add green spar buoy, marked CP101-1 | 44°19'51" N 78°43'45" W |
|----|-------------------------------------|-------------------------|

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

(AMA8035-10-5-14)

(CCG-B98-076, DFO-C98-191)

***534 LAKE ONTARIO - TORONTO HARBOUR - INNER HARBOUR - Depths.**

Chart (Last correction) - 2085(NAD 27)(1-11)(1704/98)

- | | | |
|-----|-----------|-----------------------------|
| 1. | Add 7.9 m | 43°38'17".6 N 79°22'42".8 W |
| 2. | 7.9 m | 43 38 19 N 79 22 38.8 W |
| 3. | 7.9 m | 43 38 16.3 N 79 22 38.8 W |
| 4. | 7 m | 43 38 10.8 N 79 22 14.8 W |
| 5. | 7.7 m | 43 38 14.6 N 79 22 17.4 W |
| 6. | 7.7 m | 43 38 18.3 N 79 22 13.2 W |
| 7. | 7.8 m | 43 38 19 N 79 22 04.4 W |
| 8. | 7.9 m | 43 38 27.5 N 79 22 08.8 W |
| 9. | 7.9 m | 43 38 29.1 N 79 21 58.7 W |
| 10. | 8 m | 43 38 30.6 N 79 21 39.2 W |
| 11. | 7.9 m | 43 38 23 N 79 21 23.8 W |

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

(AMA8035-10-35)

(DFO-C98-194)

***535 LAKE HURON - GEORGIAN BAY - THE WATCHERS - WATCHERS REEF - Buoy.**

Charts (Last correction) - 2239(NAD 27)(2)(1937/98) - 2289(1)(908/98)

- | | | |
|--------|---------------------------------------|-------------------------|
| 1. Add | West cardinal spar buoy, YBY marked M | 44°56'32" N 80°05'47" W |
| 2. | West cardinal spar buoy, YBY marked M | 44 56 35 N 80 05 40 W |

NOTE: Digital data products 2239R/M, 73046(2239) and 73047(2289) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C98-177)

*571 LAKE HURON - GEORGIAN BAY - Results of survey.

Chart (Last correction) - 2289(1-8)(535/99)

- | | | |
|-----------|---------------|-----------------------------|
| 1. Add | 2/3 fathom | 45°02'25".1 N 80°21'12" W |
| 2. Delete | 6 | 45 02 26.1 N 80 21 11 W |
| 3. Add | 4 1/2 fathoms | 45 01 45 N 80 21 10.2 W |
| 4. Delete | 19 | 45 01 45 N 80 21 08 W |
| 5. Add | 3 1/2 fathoms | 45 02 10.1 N 80 20 13.2 W |
| 6. Add | 5 1/2 fathoms | 45°03'01".3 N 80°20'35".6 W |
| 7. | 5 1/4 fathoms | 45 05 09.9 N 80 19 08.8 W |
| 8. | 2 1/4 fathoms | 45 08 16.9 N 80 12 38.1 W |

NOTE: Digital data products 73047(2289) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-055)

*528 LAKE ERIE - Pipelines.

Charts (Last correction) - LC 2121(NAD 27)(1-4)(2102/98) - LC 2122(NAD 27)(1,3)(2102/98)

- | | | | |
|-----------|----------|------|---------------------------|
| 1. Add | pipeline | from | 42°11'45" N 81°26'15" W |
| | | to | 42 11 41.3 N 81 25 43.6 W |
| 2. | pipeline | from | 42 25 27 N 80 41 07 W |
| | | to | 42 24 18.5 N 80 41 20.4 W |
| 3. Delete | pipeline | from | 42 12 10 N 81 35 55 W |
| | | to | 42 12 06 N 81 36 17 W |
| 4. | pipeline | from | 42 24 30 N 80 38 06 W |
| | | to | 42 24 05 N 80 38 40 W |

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

(AMA8035-10-35)

(DFO-C98-187)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

- Page 165 — Paragraph 4, lines 7 and 8
Delete: “Light ... Island.” (A09/99)
- Page 183 — Paragraph 73, lines 1 and 2
Delete: “Light ... Man.” (A09/99)
- Page 185 — Paragraph 83, lines 4 and 5
Delete: “Bifurcation ... Point.” (A09/99)
- Page 186 — Paragraph 87, lines 4 to 6
Delete: “Fairway ... Head.” (A09/99)
- Page 200 — Paragraph 105, lines 8 and 9
Delete: “Light ... Point.” (A09/99)
- Page 203 — Paragraph 38, lines 3 to 5
Delete: “Light ... Point.” (A09/99)
- Page 207 — Paragraph 81, lines 5 and 6
Delete: “Light ... Island.” (A09/99)

Gulf of St. Lawrence, First Edition, 1992 —

- Page 49 — After paragraph 146
Insert: 146.1 Scientific devices, with a depth of 34 m (112 ft) over them, are moored about 31 miles SE of Pointe de l’Est. (L11/99)
- Page 175 — Paragraph 184, line 4
Delete: 8.6 m (28 ft)
Replace by: 8.1 m (27 ft) (L10/99)
- Page 179 — Paragraph 206, lines 2 and 3
Delete: “A **light** ... wharf.” (L12/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

ATL 110 — St. Lawrence River — Cap Whittle/Cap Gaspé to Les Escoumins, First Edition, 1992 —

Page 18 — After paragraph 209

Add: 209.1 Scientific devices, with a depth of 34 m
(112 ft) over them, are moored about 31 miles SE of Pointe de
l'Est.

(L11/99)

Page 66 — **Table 3.4 Matane Wharves**

Make the following changes in the “Depth” column.

Berth	Depth m (ft)
Public Wharf	
1	7.3–8.2 (24–27)

(L13/99)

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

Page 11 — Paragraph 101, line 5 – before “Mariners”

Insert: Three other submarine power cables cross Passage de
l'Île aux Coudres between La Pointe du Bout d'en Bas and the
mouth of Rivière du Seigneur on the north shore.

(L06/99)

Page 19 — Paragraph 56, lines 6 and 7

Delete: “and its ... bridge”

(L07/99)

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

Make the following corrections in the “Depth” column.

Berth	Depth m (ft)
MIL Davie Ltd (Lauzon)	
70	7.7 (25)
71	7.7 (25)
72	4.2 (14)

(L07/99)

Page 53 — Paragraph 101, last line

Add: An outfall, 820 ft (250 m) long, extends from the
shore about 1 mile east of the wharf in ruins. A crib, drying 5
ft (1.4 m), lies at the outer end of the outfall.

(L14/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 34 — Delete paragraph 210.

(L15/99)

Page 35 — Delete paragraph 212.

(L15/99)

Page 35 — Paragraph 213, last line

Delete: (613) 598-4614

Replace by: (613) 598-4600

(L15/99)

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

Page 26 — Paragraph 50, line 2

Delete: silver

(C17/99)

CEN 302 — Lake Ontario, First Edition, 1996 —

Page 69 — Paragraph 42, lines 3 and 4

Delete: “9.7 m ... part.”

Replace by: 3.7 m (12 ft) from a red mast.

(C17/98)

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

Page 11 — After paragraph 124

Insert: 124.1 Sugarloaf Marina West light (557.1), near the south end of the detached wall on the west side of the marina entrance, is shown at an elevation of 9 m (30 ft) from a white mast 6 m (20 ft) high. Sugarloaf Marina East light (557.2), near the SW corner of the wharf on the east side of the entrance, is shown at an elevation of 9 m (30 ft) from a white mast 6 m (20 ft) high. These aids are privately maintained.

(C14/98)

Page 35 — Paragraph 203, line 2 – after “high”

Insert: , elevation 177 feet (54 m)

(C14/98)

Page 39 — Paragraph 21, lines 2 and 3

Delete: is 65 feet (19.8 m) high

Replace by: has an elevation of 112 feet (34 m)

(C14/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 40 — Paragraph 30, line 4 – after “harbour.”

Add: The best channel is reported to be marked by a pair of **light buoys** and a pair of spar **buoys**. These aids are privately maintained.

(C14/98)

CEN 306 — Georgian Bay, First Edition, 1998 —

Page 24 — Paragraph 58, line 5 – after “1987.”

Add: A potable **water intake pipeline**, and intake crib with a depth of 21 feet (6.3 m) over it, lie close north of the jetty.

(C04/99)

Page 24 — After paragraph 60

Insert: 60.1 An **aquaculture facility**, established in 1998, is located near Halfway Point, close north of Port Elgin Shoal. Mariners should avoid this area.

(C04/99)

Page 32 — Delete paragraph 197

Replace by: 197 Collingwood Shore **sector light (853)**, situated on a crib in the harbour, is shown from a circular tower with a white daymark with a vertical orange stripe. The white sector of the light leads 180 ° through the dredged channel. The green sector of the light shows to the east of the channel.

(C04/99)

Page 122 — Delete paragraphs 145 to 151

Replace by: 145 **McDonald Shoal**, least depth 11 feet (3.4 m), lies midway between Sly Boots and Rooster Reef.

146 The former route into Beaverstone Bay south of Toad Island has been abandoned and is no longer marked by buoys or beacons.

147 The wider and easier route between Hincks Island and Toad Island is marked by buoys. This channel is entered between McDonald Shoal and Sly Boots.

148 The buoyed channel leads NE between the shoals and islets SE of Hincks Island and those NW of Toad Island, then passes between North Rock and South Rock to the open water in Beaverstone Bay.

149 A **buoy** 0.1 mile NE of the NE tip of Toad Island marks an isolated shoal with a depth of 2 feet (0.6 m).

(C04/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 137 — INDEX, after McDivitt Island

Insert: McDonald Shoal, 122

(C04/99)

Great Lakes, Volume 2, Seventh Edition, 1993 —

Page 60 — Paragraph 129

Cancel correction promulgated in Bi-weekly Edition No. 13/95.

(C16/98)

Page 60 — Paragraph 129, line 1

Delete: a

Replace by: an aeronautical

(C16/98)

Page 72 — Paragraph 21, line 5 – after “NE.”

Add: There is a hospital in Mindemoya, 33 km to the NW.

(C03/99)

Page 208 — Paragraph 162, lines 5 and 6

Delete the last sentence.

(C16/98)

Page 210 — Paragraph 8, line 3

Delete: 21 feet (6.4 m)

Replace by: 20 feet (6.2 m)

(C16/98)

Page 217 — Paragraph 166, lines 4 and 5

Delete: “but the red” to end of paragraph.

(C03/99)

Page 217 — Paragraph 173, lines 2 and 3

Delete: “is ... This”

(C03/99)

Page 218 — Paragraph 176, lines 1 and 2

Delete: “A ... ore”

Replace by: Ore

(C03/99)

Page 218 — Paragraph 178, line 1

Delete: *Algoma Central Railway*

Replace by: The ore-handling

(C03/99)

Page 218 — Paragraph 181, lines 2 to 4

Delete: “A ... available.”

(C03/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Chapter V — Delete paragraph 63

Replace by: 63 **Marina.** — *Long Island Marine*, open year round on the NW shore 0.5 mile NE of Kars, reported depths of 14 feet (4.3 m) in 1998 and offered dockage with power and water, pump out, ramp, boat hardware, hull and engine repairs, 18 tonne hoist, camping, picnic area, showers, snack bar, groceries, propane, bait, tackle and ice, and monitored VHF Channels 16 and 68.

(C15/98)

Chapter VI — Paragraph 155, last line

Cancel correction promulgated in Monthly Edition No. 11/98.

(C15/98)

Chapter VI — After paragraph 155

Insert: 155.1 **Caution.** — A boulder shoal extends 0.1 mile W and SW from Cushing Island. A depth of 1 foot (0.3 m) near the outer end of this shoal lies SW of the west end of the island and is close north of the track.

(C15/98)

Chapter VI — Paragraph 204

Delete last sentence.

(C15/98)

Chapter VI — Paragraph 213, line 3

Delete: 600 feet (183 m)

Replace by: 0.1 mile

(C15/98)

Chapter VI — Paragraph 213 (Re : correction promulgated in Monthly Edition No. 5/97)

Delete: “depth available” to end of paragraph.

Replace by: swept depth over this obstruction is 4 feet (1.2 m).

(C15/98)

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

NEWFOUNDLAND

226.6	<i>L'Anse Au Clair light buoy ND6</i>	51 24 46.8 57 03 37.2	FI	R	4s	.....	.....	Red, marked "ND6".	Seasonal.			Chart:4470 548/99
243.1	<i>Marguerite Point light buoy KA4</i>	51 21 57.6 55 34 46.8	FI	R	4s	.....	.....	Red spar, marked "KA4".	Seasonal.			Chart:4514 518/99
243.3	<i>St. Anthony Inner light buoy KA6</i>	51 22 04.5 55 35 00.6	Q	R	1s	.....	.....	Red spar, marked "KA6".	Seasonal.			Chart:4514 518/99
269.3	<i>Sisters West light buoy KV3</i>	50 03 55.8 56 02 57	FI	G	4s	.....	.....	Green spar, marked "KV3".				Chart:4521 573/99
276.6	Shag Island	52 20 29.5 55 44 46	FI	R	4s	7.9	.....	Tower, red and white horizontally banded daymark on three sides. 3.4	Year round.			Chart:5031 517/99
276.75	<i>Duck Island Shoal light buoy NS8</i>	52 18 10.2 55 46 52	FI	R	4s	.....	.....	Red spar, marked "NS8".	Seasonal			Chart:5031 517/99
276.77	<i>Burnt Point Shoal light buoy NMH2</i>	52 18 48 55 49 00.6	FI	R	4s	.....	.....	Red spar, marked "NMH2".	Seasonal.			Chart:5031 517/99
276.85	Killik Island	52 16 40 55 35 33	FI	G	4s	6.3	.....	Tower, green and white horizontally banded daymark. 3.7	Year round.			Chart:5031 517/99
276.87	Green Island	52 17 36 55 41 03	FI	W	4s	19.2	.....	Tower, red and white horizontally banded daymark on three sides. 3.7	Year round.			Chart:5031 517/99
276.9	<i>Nimrod Shoal light buoy NS</i>	52 16 30.6 55 42 54.6	FI(2)	W	5s	.....	.....	Black, red and black, marked "NS".	Seasonal.			Chart:5031 517/99
277.5	Walls Island Point	52 13 12.6 55 36 51.6	FI	G	4.5s	30.6	.....	Tower, green and white horizontally banded daymark. 3.7	Year round.			Chart:5030 517/99
280.16	<i>Toole Rock light buoy NB2</i>	53 23 48 55 45 21	FI	R	4s	.....	.....	Red, marked "NB2"	Seasonal			Chart:4745 515/99

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

280.85	Saddle Bank Northwest light buoy NBT	53 25 18 55 42 54	Fl(2) W	10s	Black, red and black, marked "NBT".	Seasonal.	Chart:5133 566/99
281.7	Indian Tickle South light buoy NTK2	53 33 02 55 58 44	Fl	R	4s	.....	.....	Red spar, marked "NTK2".	Chart:4745 515/99
281.8	Indian Tickle North light buoy NTK6	53 33 33 55 59 26	Fl	R	4s	.....	.....	Red spar, marked "NTK6".	Seasonal. Chart:4745 515/99
281.9	White Rowsell Shoal light buoy NTK5	53 33 33 56 00 00	Fl	G	4s	.....	.....	Green, marked "NTK5".	Seasonal. Chart:4745 515/99
287.3	South Duck Island Shoal light buoy HD3	54 13 27 57 21 36.5	Fl	G	4s	.....	.....	Green, marked "HD3"	Seasonal. Chart:5135 513/99
296.1	Long Point	53 41 45 59 19 10	Fl	W	4s	53.4	.....	Rectangular skeleton mast, red and white daymark. 3.6	Chart:5143 569/99
297.5	Epinette Point light buoy H7	53 31 20 59 57 00	Fl	G	4s	.....	.....	Green spar, marked "H7".	Seasonal Chart:4728 569/99
322.1	Windy Tickle	55 46 36 60 19 42	Fl	W	3s	7.1	.....	Square skeleton tower, red and white horizontally banded daymark. 4.7	Year round. Chart:5048 500/99
322.2	Farmyard Island	55 49 27 59 54 06	Fl	W	3s	54.0	.....	Square tower, red and white horizontally banded daymark. 4.7	Year round Chart:5048 500/99
322.3	Ukaliksalik Island	55 56 24 60 45 00	Fl	W	6s	21.0	.....	Square skeleton tower, red and white horizontally banded daymark. 4.7	Year round. Chart:5048 500/99
352.6	Little Burnt Bay Shoal light buoy DBE4	49 21 36.8 55 04 13.3	Fl	R	4s	.....	.....	Red spar, marked "DBE4".	Chart:4595 572/99
353.1	Seal Rock	49 16 23.9 55 00 01	Fl	G	4s	.....	.....	Square skeleton tower, green and white daymark. 3.7	Chart:4865 572/99

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

164 H3928	Île Haute	On highest point. 45 15 03 65 00 22	Fl W 4s	112.0	Skeleton tower. 12.2	Visibility of light may be obscured when less than 2.5 nautical miles from light. Year round.	Chart:4010 561/99
477	Northwest Cove light and whistle buoy DP						Delete from List.	Chart:4386 560/99
485	Peggy's Point light and bell buoy DA						Delete from List.	Chart:4386 560/99
500	Pennant light and whistle buoy A30						Delete from List.	Chart:4385 555/99
565.5	Petpeswick light and whistle buoy HH						Delete from List.	Chart:4236 564/99
567	Musquodoboit Harbour bifurcation light and bell buoy YY						Delete from List.	Chart:4236 564/99
571	Old Man light and whistle buoy YT4						Delete from List.	Chart:4236 564/99
581	Egg Island light and whistle buoy Y28						Delete from List.	Chart:4236 564/99
624	Wine Harbour light and bell buoy VH3						Delete from List.	Chart:4234 553/99
684	Guysborough light and bell buoy CQ	45 22 23.5 61 27 59.7	Mo(A) W	.....	.....	Red and white vertical stripes, marked "CQ".	Seasonal.	Chart:4335 Edn. 03/99

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

686	<i>Chedabucto Bay light and whistle buoy CA</i>	45 23 53.5 60 41 38.2	Mo(A) W	<i>Red and white vertical stripes, marked "CA".</i>	<i>Winter spar Year round.</i>	Chart:4335 Edn.03/99
686.3	<i>Light and bell buoy CC</i>	45 23 54.4 60 50 16.3	Mo(A) W	.....	.....	<i>Red and white vertical stripes, marked "CC".</i>	<i>Seasonal.</i>	Chart:4335 Edn.03/99
835.5	<i>Bras D'Or Lake ODAS light buoy 44131</i>						<i>Delete from List.</i>	Chart:4279 504/99
1032	Howards Cove	Near Seal Point. 46 44 24.6 64 22 39.1	Fl W 6s	14.2	.....	White tower. 5.8	Flash 2 s; eclipse 4 s Seasonal.	Chart:4906 503/99
1046.04	<i>St. Peters Harbour light buoy JD9.5</i>	46 26 42 62 44 17 (approx.)	Fl G 4s	.....	.....	<i>Green, marked "JD9.5".</i>	<i>Seasonal.</i>	Chart:N/A Edn.03/99
1046.05	<i>St. Peters Harbour light buoy JD11</i>	At harbour entrance. 46 26 39 62 44 14.5 (approx.)	Q G 1s	.....	.....	<i>Green, marked "JD11".</i>	<i>Seasonal.</i>	Chart:N/A Edn.03/99
1046.1	<i>St. Peters Bay light buoy JD13</i>	46 26 35 62 43 55 (approx.)	Q G 1s	.....	.....	<i>Green boat type, marked "JD13".</i>	<i>Seasonal.</i>	Chart:N/A Edn.03/99
1046.15	<i>St. Peters Harbour light buoy JD16</i>	46 26 31 62 43 32 (approx.)	Q R 1s	.....	.....	<i>Red, marked "JD16".</i>	<i>Seasonal.</i>	Chart:N/A Edn.03/99
1046.2	<i>St. Peters Bay light buoy JD18</i>	46 26 26.5 62 43 20 (approx.)	Q R 1s	.....	.....	<i>Red boat type, marked "JD18".</i>	<i>Seasonal.</i>	Chart:N/A Edn.03/99
1046.3	<i>St. Peters Bay light buoy JD21</i>	46 26 07 62 42 53 (approx.)	Fl G 4s	.....	.....	<i>Green boat type, marked "JD21".</i>	<i>Seasonal.</i>	Chart:N/A Edn.03/99
1368 H1650	Ruisseau-Leblanc						<i>Delete from List.</i>	Chart:4486 554(P)/99

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

1413	<i>L'Anse-à-Brillant light buoy</i>	48 43 41.3 64 17 07.1	Mo(A) W	Red and white vertical stripes.	Seasonal. Chart:4485 552/99
1737 H2065	Baie Verte breakwater	On outer end of breakwater. 48 44 17.1 69 02 54.6	Iso R 2s	8.4	.....	Red and white square skeleton tower. 4.6	Emergency light. Year round. Chart:1236 509/99

INLAND

44	<i>Light buoy C10</i>	45 14 39.5 73 59 06	Fl R 4s	.....	.....	Red, marked "C10".	 Chart:1411 527/99
337.5	<i>Hamilton Harbor light buoy</i>						Delete from List. Chart:2067 Edn.03/99
338	Light 150	On pier. 44 31 46 75 45 16.9	Fl R 4s	8.5	.....	White cylindrical tower, red top, marked "150". 3.7	Year round. Chart:1436 532/99
537.5	<i>Hamilton Harbour light buoy</i>	43 16 22 79 52 11.5	Fl G 4s	.....	.....	Green spar.	Privately maintained by Hamilton Harbour Commission. Chart:2067 Edn.03/99

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

Navigating Officer or Observer _____ Captain: _____

Ship (or address) _____

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

General locality: _____

Subject: _____

Approx. position: _____ Lat. _____ Long. _____

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

Publications affected: (Quote Volume and page) _____

* Full details (Attach additional sheets as necessary)

Time (UTQ) _____ Date _____

INSTRUCTIONS:

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

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

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

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

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

OR

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

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