



EASTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

701 to 767

CONTENTS

	Page
SEC. I Safety and General Information	1 - 17
SEC. II Chart Corrections	18 - 36
SEC. III Radio Aids to Marine Navigation Corrections	NIL
SEC. IV Sailing Directions and Small Craft Guide Corrections	37 - 79
SEC. V Light List Corrections	81 - 89



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Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.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



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

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

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

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

LAURENTIAN REGION

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

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

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

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

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

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

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

CENTRAL & ARCTIC REGION

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

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

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

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

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

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

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PAGE	INDEX	NOTICE #
NATIONAL		
CANADA	- List of charts affected by (T) & (P) in effect March 26,1999.....	755 12-15
	- Safety of offshore exploration and exploitation vessels.	756(T) 15
	- Summary of Temporary and Preliminary Notices in effect March 26,1999.....	754 2-12
CANADIAN HYDROGRAPHIC SERVICE	- Charts.....	766 1
NEWFOUNDLAND		
LABRADOR COAST	- SANDWICH BAY - PARADISE RIVER AND CRAB HEAD - Buoys.	716 21
NEWFOUNDLAND	- Terra Nova Development Safety Zone.....	767 16,17
	- BAY OF EXPLOITS - Charts affected by Notice 975/98.....	710 19
	- LABRADOR - Buoys and lights.....	745 20,21
	- LABRADOR - HAMILTON INLET - HART HEAD - Light.	701 21
NEWFOUNDLAND, EAST COAST	- NOTRE DAME BAY - BAY OF EXPLOITS - Sounding.	758 19,20
	- ST. JOHN'S HARBOUR - Buoy, submarine cable, prohibited anchorage zone and depths.	763 18
NEWFOUNDLAND, NORTHEAST COAST	- BREHAT SHOAL - Buoy.....	726 20
	- QUIRPON HARBOUR - Buoys.	724 20
NEWFOUNDLAND, SOUTHEAST COAST	- BONAVISTA BAY - NEWMAN SOUND - OFF SALTON'S WHARF - Chart amendment. ...	727 19
	- ST. MARY'S HARBOUR - Light.	702 19
MARITIMES		
BAY OF FUNDY	- INNER PORTION - MINAS CHANNEL AND COBEQUID BAY - Buoys and radar reflector.	757 24
NOVA SCOTIA, SOUTHEAST COAST	- CAPE LA HAVE ISLAND - Buoy.....	736 23
	- PENNANT POINT - Submarine cable.	711 22,23
	- Submarine cable.....	723 22
	- Submarine cable.....	725 22
	- Submarine cable.....	721 23,24
UNITED STATES, EAST COAST	- BEAR SEAMOUNT TO PENNANT POINT - Submarine cable.	742 27
	- GEORGES BANK - Submarine cable.....	715 26
	- SCOTIAN SHELF - Submarine cable.	717 24
	- Submarine cable.	735 26,27
	- Submarine cable.	760 26
	- Submarine cable.	761 18
	- Submarine cables.....	747 30
	- Submarine cables.....	759 28,29
GULF AND RIVER ST. LAWRENCE		
GULF OF ST. LAWRENCE	- ÎLES DE LA MADELEINE - MILLERAND - Light.	719 22
	- MIRAMICHI RIVER - SHELDRAKE CHANNEL - Buoys.	748 25
	- PRINCE EDWARD ISLAND - SUMMERSIDE HARBOUR - Depths.	762(T) 23
NEW BRUNSWICK	- MIRAMICHI BAY - SHIP CHANNEL - Buoys.	764 25

PAGE	INDEX	NOTICE #
GULF AND RIVER ST. LAWRENCE (cont'd)		
QUÉBEC - RIVIÈRE DES OUTAOUAIS - DOLLARD-DES-ORMEAUX TO ORLÉANS - Buoys. ...	722	31
- RIVIÈRE SAGUENAY – SAINT-FULGENCE - Outfall and crib.....	704	28
ST. LAWRENCE RIVER - BANC DE L'ÎLE AUX LIÈVRES - Shoal depths.	729	27,28
- ÎLE AUX CERFEUILS - Obstruction and shoal depth.	720	30
- LAC SAINT-PIERRE - Buoy.	734	29
- PORT DE SOREL - Shoal depth.	732	29,30
- SOREL - Light discontinued.....	703(P)	29
- Light discontinued.....	706	29
CENTRAL		
GEORGIAN BAY - BYNG INLET - STILL RIVER - Overhead cables.	751	32
LAKE ERIE - LONG POINT BAY - Radio tower.	738	32
- MAUMEE BAY – Spoil ground.....	750	35
LAKE ERIE, EASTERN PORTION - Calling-in-points.....	709	31,32
LAKE HURON – GEORGIAN BAY - TOAD ISLAND - Buoys and beacon range.	707	33,34
- GODERICH - Result of survey.....	737	33
- GRAND BEND - Daybeacon.....	752	34
- SARNIA - Rear range light.....	739	35
- KETTLE POINT REEF - Sounding.....	713	34
- SARNIA - Radiobeacon.	714	35
LAKE ONTARIO, WEST END - Temporary aids discontinued.	740	32
LAKE SUPERIOR - Fog signals.....	712	35,36
TRENT SEVERN WATERWAY - TRENTON - Bridge clearance.	708	31
ARCTIC		
HUDSON BAY - DAWSON INLET TO MARBLE ISLAND - Rocks.	749	36

NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Notice #	Page	Chart No.	Notice #	Page	Chart No.	Notice #	Page
1202	704	28		752	34			
			2293	751	32	LC 4451	719	22
1209	704	28				4459	762(T)	23
LC 1234	729	27,28	LC 2301	712	35,36	4512	724	20
1310	720	30	LC 2302	712	35,36	4595	710	19
1312	732	29,30	2303	712	35,36		758	19,20
	734	29	2308	712	35,36	4596	710	19
1338	703(P)	29	LC 2309	712	35,36	4598	710	19
1350	706	29	2310	712	35,36	LC 4700	745	20,21
	732	29,30	2311	712	35,36	4701	745	20,21
1514	722	31	2312	712	35,36	4702	745	20,21
1515	722	31	2313	712	35,36	4724	701	21
2021	708	31	2314	712	35,36	LC 4731	745	20,21
LC 2077	740	32	LC 4001	742	27	4843	702	19
LC 2100	709	31,32		747	30	LC 4846	763	18
LC 2110	738	32		760	26	4855	727	19
LC 2120	709	31,32		761	18	4911	764	25
LC 2123	750	35	LC 4003	735	26,27	4912	748	25
LC 2200	714	35		759	28,29	LC 4951	719	22
2204	707	33,34	LC 4010	757	24	5134	716	21
LC 2228	714	35	LC 4012	721	23,24	5138	716	21
	737	33		736	23	5397	749	36
LC 2244	707	33,34	LC 4013	725	22	LC 8005	715	26
LC 2245	707	33,34	LC 4020	726	20	LC 8006	717	24
2260	713	34	4211	736	23	LC 8007	723	22
	714	35	LC 4320	736	23			
	737	33	4384	736	23			
	739	35	LC 4385	711	22,23			

NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Notice # Page	Page	| Chart No.	Notice #	Page	| Chart No.	Notice #
LC 8049	745	20,21	|			|	

***766 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Chart.					
	NEWFOUNDLAND/TERRE-NEUVE				
4858	GREENSPOND HARBOUR TO POUND COVE	1:20 000	Dec. 25/98	1	\$20.00
	Limit(s): 49°03'06"N 53°21'00"W 49°11'11"N 53°21'00"W 49°11'11"N 53°39'06"W 49°03'06"N 53°39'06"W				
	and Inset: (1) Valleyfield	1:5000			
	Limit(s): 49°07'00"N 53°36'13"W				
2. New Editions.					
	ST. LAWRENCE RIVER/FLEUVE SAINT-LAURENT				
1312	LAC SAINT-PIERRE	1:40 000	Apr. 02/99	1	\$20.00
	NOTE: This chart incorporates Notices 1140(P)/98 and 151(P)/99 and is affected by Notices 732/99 and 734/99.				
	LAKE ERIE/LAC ÉRIÉ				
L/C 2100	LAKE ERIE/LAC ÉRIÉ	1:40 000	Dec. 25/98	3	20.00
	NOTE: This chart is affected by Notice 367(P)/97 and is no longer affected by Notice 812(T)/92.				
	NEWFOUNDLAND/TERRE-NEUVE				
4619	PRESQUE HARBOUR TO BAR HAVEN ISLAND AND PARADISE SOUND	1:37 500	Nov. 20/98	1	20.00

(AMA8035-10-35)

(DFO-H99-070)

***754 SUMMARY OF TEMPORARY AND PRELIMINARY NOTICES IN EFFECT MARCH 26, 1999**

(Revised and promulgated quarterly)
Reference: Notice 125/99 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
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(1) MISCELLANEOUS

342(P)/97	----	Canada - Loran-C lattices on nautical charts.
129(T)/99	----	Canada - Safety of offshore exploration and exploitation vessels.
		(2) CANADIAN ARCTIC AND WEST COAST OF GREENLAND
847(P)/89	7740, 7083	Northwest Territories - Larsen Sound - Boothia Peninsula - Results of surveys.
634(P)/96	7371	Northwest Territories - Ellesmere Island - Alexandra Fiord - Off Skraeling Island -Result of survey.
666(P)/96	----	Western Arctic - Great Slave Lake - Curtis Island - Light to be discontinued.
738(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
751(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
328(P)/98	----	Northwest Territories - Fort Chipewyan to Fort McMurray - Changes to the buoyage system - 1998.
1510(P)/98	7760, 7733, 7083	Northwest Territories - Simpson Strait - Rae Strait - Shoal depths.
1727(P)/98	7760, 7083	Northwest Territories – Boothia Peninsula – James Ross Strait – Shoal depths.
153(T)/99	LC 5001 (INT 405), LC 7011, 7010	Gronland, West Coast - Julianehaab Bugt - Radar transponder beacons temporarily established.
		(3) HUDSON BAY INCLUDING FOXE CHANNEL, HUDSON STRAIT AND LABRADOR
292(T)/88	4728	Labrador Coast - Lake Melville - Goose Bay Narrows - Off Brûlé Point - Shoal reported - Caution.
591(T)/93	5031	Labrador Coast - St. Mary's Harbour - Wharf under reconstruction - Caution.
804(P)/93	5048, L/C 8047, L/C 4730	Labrador Coast - Off Cape Harrigan - Nanuktok (Farmyard) Islands - Information about depth.
163(T)/94	4703, 5133, 4732, L/C 8048, L/C 4730, L/C 4700, L/C 4001(INT404)	Labrador Coast - East of South Wolf Island - Scientific subsurface mooring established temporarily.
703(T)/94	5031	Labrador Coast - St. Lewis Sound - Battle Harbour - Depth - Submerged wharf in ruins.
761(T)/94 680(P)/95	5001(INT 405) 5049	Labrador Coast - Labrador Sea - Current meter established temporarily. Labrador Coast - Uyagaksuak Island - Result of survey.
345(P)/96	4702	Labrador Coast - Martin Bay - Result of survey.

687(P)/96	4702, 4703	Labrador Coast - South of Frenchman Island - Result of survey.
		(4) BAY OF FUNDY AND ATLANTIC COAST SOUTH TO 40° N., NOVA SCOTIA AND NEWFOUNDLAND
193(T)/87	4587	Newfoundland - Placentia Bay - Mortier Bay - Off Spanish Room Point - Anchor chains stored temporarily - Caution.
413(T)/88	L/C 4832	Newfoundland - Fortune Bay - Fortune Harbour - Fortune Barasway - Shoal reported - Caution.
356(P)/90	L/C 4622, L/C 4624, L/C 4016	Newfoundland - Placentia Bay - South of Jude Island - Shoal reported.
568(T)/90	4843, L/C 4817	Newfoundland - St. Mary's Harbour - Graven Beach - Sunken barge - Caution.
55(T)/91	- - - -	Newfoundland - Bonavista Bay - Newman Sound - Wharf under reconstruction - Light discontinued temporarily.
191(T)/91	L/C 4851	Newfoundland - Trinity Bay - Bull Arm - Current meter established temporarily - Caution.
103(T)/92	4849	Newfoundland - Conception Bay - Harbour Grace - Spires removed temporarily.
782(T)/92	4848, L/C 4847	Newfoundland - Conception Bay - Long Pond - Information concerning breakwater - Caution.
805(P)/92	L/C 4234, L/C 4235, L/C 4227	Nova Scotia - Ecum Secum - Results of survey.
619(T)/93	4830, L/C 4832, L/C 4016	Newfoundland - Fortune Bay - Sagona Island - Fog signal discontinued temporarily.
649(P)/93	4448, L/C 4462	Cape Breton Island - Port Hood - Port Hood Island - Light to be discontinued.
707(T)/93	L/C 8010, L/C 4001(INT 404)	Off Newfoundland - Current meters established temporarily.
737(P)/93	4637	Newfoundland - The Burgeo Islands - Graley Rock - Shoal reported.
815(P)/93	4142	Bay of Fundy - Saint John River - Newcastle Creek - Lights discontinued - Light established.
47(T)/94	L/C 4520, L/C 8015	Newfoundland - Subsurface mooring established temporarily.
73(P)/94	4124, 4331	Bay of Fundy - Deer Island - Lords Cove - Radar reflector changed.
75(T)/94	L/C 4017, L/C 8015	Off Newfoundland - Subsurface mooring established temporarily.
76(T)/94	L/C 4520, L/C 4017, L/C 8014, L/C 8015, L/C 8049	Off Newfoundland - Subsurface mooring established temporarily.
104(T)/94	L/C 4844	Newfoundland - Renews Harbour - Range light discontinued temporarily.

105(T)/94	L/C 4844, L/C 4817, L/C 4016, L/C 8011, L/C 4047, L/C 4049	Newfoundland - Off Cape Race - Subsurface mooring established temporarily.
108(T)/94	L/C 4016, L/C 4047	Newfoundland - Placentia Bay Approach - Subsurface mooring established temporarily.
276(P)/94	----	Bay of Fundy - Grand Manan - St. Croix River to Maces Bay - Review of aids to navigation.
350(P)/94	L/C 4010	Bay of Fundy - Off Moose Island - Light established.
359(T)/94	L/C 4846, L/C 4016, L/C 4017, L/C 8014, L/C 4049	Newfoundland - Off Cape Spear - Subsurface moorings established temporarily.
373(T)/94	4245	Nova Scotia - Yarmouth Harbour - Information about depths in maintain area.
423(P)/94	L/C 4850	Newfoundland - Bay de Verde - Information about light.
459(P)/94	4342, L/C 4340	Bay of Fundy - Grand Manan - Off White Head Island - Information about depth.
461(T)/94	L/C 4235	Nova Scotia - East River - Light buoy established temporarily.
463(P)/94	4635	Newfoundland - Wreck Island - Information about light.
522(P)/94	L/C 4844, L/C 4817	Newfoundland - Trepassey Bay - Portugal Cove - Fog signal repositioned.
594(T)/94	4641, 4635	Newfoundland - Port aux Basques and Approaches - Buoys established temporarily.
613(P)/94	4546	Newfoundland, East Coast - Trinity Bay - Random Sound - Northwest Arm - Off Bottom Bluff - Result of survey.
678(T)/94	LC 4017, LC 8015, LC 4001(INT 404)	Newfoundland, East Coast - Scientific subsurface mooring established temporarily.
717(T)/94	L/C 4235	Nova Scotia - East River - Sheet Harbour - Wreck.
820(T)/94	4201(INT 4634)	Nova Scotia, Southeast Coast - Halifax Harbour - Bedford Basin - Wrights Point -Results of survey.
64(T)/95	L/C 4851	Newfoundland, East Coast - Trinity Bay - Bull Arm - Pontoons established temporarily.
181(T)/95	4332, 4331	Bay of Fundy - Passamaquoddy Bay - St. Andrews - Light discontinued temporarily.
192(T)/95	4635, LC 4015, LC 4022	Newfoundland, South Coast - Port aux Basques - Channel Head - Experimental DGPS Reference Station established temporarily.
346(T)/95	4211	Nova Scotia, Southeast Coast - Medway Harbour - Light buoy established temporarily.
384(T)/95	LC 4851, LC 4017	Newfoundland, East Coast - Trinity Bay - Bull Arm - Buoy established

		temporarily.
420(P)/95	LC 4010	Nova Scotia - Scots Bay - Cape Blominden - Radar reflector.
507(T)/95	4124, 4331	Bay of Fundy - Back Bay - Cailiff Rocks - Light buoy relocated temporarily.
529(P)/95	LC 4098, LC 4099, LC 8007, LC 4013, LC 4045, LC 4003, LC 4001(INT 404), LC 4006, 4000	Nova Scotia, Southeast Coast - Sable Island - Radiobeacon to be discontinued.
534(T)/95	4245	Nova Scotia, Southwest Coast - Yarmouth Harbour - Buoys established temporarily.
623(T)/95	- - - -	Newfoundland - Strait of Belle Isle - Pistolet Bay - Experimental DGPS established temporarily.
690(T)/95	4332, 4331	Bay of Fundy - Passamaquoddy Bay - St. Andrews - Light buoy established temporarily.
734(P)/95	4210, LC 4230	Nova Scotia - Wood's Harbour - Angels Island - Light.
120(P)/96	4637	Newfoundland, Southwest Coast - Burgeo Short Reach - Buoys to be discontinued.
141(T)/96	4381	Nova Scotia, Southeast Coast - Mahone Bay - East Ironbound Island - Light temporarily discontinued.
154(P)/96	4644	Newfoundland, South Coast - Bonne Bay - Results of surveys.
237(T)/96	4394	Nova Scotia, Southeast Coast - LaHave - Crooked Channel - Spar buoy temporarily repositioned.
444(P)/96	LC 4831, LC 4832, LC 4016	Newfoundland, Southeast Coast - Belle Bay - St. Jacques Island - Fog signal to be discontinued.
748(T)/96	4140	Bay of Fundy - Minas Basin - Approaches to Hantsport - Results of survey.
115(T)/97	- - - -	Northumberland Strait - Navigation Route.
239(P)/97	4635	Newfoundland, Southwest Coast - Rose Blanche - Spar buoy.
291(P)/97	LC 4841, LC 4622	Newfoundland, South Coast - Placentia Bay - Light buoy to be discontinued.
518(P)/98	- - - -	Nova Scotia, Southwest Coast - Yarmouth Sound - Buoys to be discontinued.
535(P)/98	LC 4847	Newfoundland, East Coast - Conception Bay - Port de Grave - Breakwater and lights.
765(T)/98	4644	Newfoundland, South Coast - Bay d'Espoir and Roti Bay - Current meters.
768(P)/98	- - - -	Northumberland Strait - Fog signals to be discontinued.

769(P)/98	----	Bay of Fundy - Lights and light buoy to be discontinued.
1105(P)/98	----	New Brunswick - Halifax Harbour - Point Pleasant to Bedford Basin - Buoy to be discontinued.
1161(P)/98	----	Northumberland Strait - Richibucto Harbour - Lights to be discontinued.
1507(T)/98	4117	New Brunswick, South Coast - Saint John Harbour - Light changed temporarily.
1550(P)/98	----	New Brunswick - Saint-John - Mactaquac Lake - Buoys to be discontinued.
1551(P)/98	----	Bay of Fundy - Port Greville and Port George - Lights to be discontinued.
2159(P)/98	----	Nova Scotia – Mira River – Buoys to be discontinued and privatized.
2167(P)/98	----	Nova Scotia – Pubnico Harbour – Lights and buoys to be discontinued.
132(T)/99	4203(INT 4632)	Nova Scotia, Southeast Coast - Halifax Harbour - Eastern Passage - Buoy temporarily repositioned.
113(T)/99	4142	Bay of Fundy - Saint John River - Off Grimross Island - Buoys established temporarily.
137(T)/99	4114	Bay of Fundy - Campobello Island - Halftide Ledge - Radar reflector temporarily discontinued.
146(P)/99	----	New Brunswick - Grand Manan - Aids to be discontinued.
301(T)/99	4386, LC 4320, LC 4012	Nova Scotia, Southeast Coast - St. Margaret's Bay - Buoys established temporarily.
581(P)/99	----	Bay of Fundy - Passamaquoddy Bay - St. Andrews - Light to be discontinued.
		(5) GULF AND RIVER ST. LAWRENCE TO MONTREAL, INCLUDING PRINCE EDWARD ISLAND AND WEST COASTS OF NEWFOUNDLAND AND CAPE BRETON ISLAND
196(T)/87	1351	Québec - Rivière Richelieu - Customs wharf - Shoal reported.
769(P)/90	4456	Gulf of St. Lawrence - Off Rocher de la Garde - Information about depth.
68(P)/91	1339	Montréal Harbour - Information about shoals.
75(T)/92	1338, 1339	St. Lawrence River - Montréal Harbour - Contrecoeur - Information about shoals.
170(T)/92	1314	St. Lawrence River - Québec Harbour to Trois-Rivières Harbour - Deschailons-sur-Saint-Laurent - Wharf damaged - Docking prohibited - Caution.
347(T)/92	----	Newfoundland - Stephenville Entrance Channel and Turning Basin - Information about shoaling.

433(T)/92	4456	Gulf of St. Lawrence - Îles Mingan - Havre Saint-Charles - Information about reported sandbank.
133(T)/93	1203	St. Lawrence River - Saguenay River - Anse Saint-Jean - Light discontinued temporarily - Wharf damaged - Caution.
195(T)/93	4954	Gulf of St. Lawrence - Îles de la Madeleine - Chenal du Havre de la Grande-Entrée - Information about depths.
358(T)/93	4912	Gulf of St. Lawrence - Miramichi River - Information about depths and channel width restrictions.
636(P)/93	1351	Québec - Rivière Richelieu - Bassin de Chambly - Anemometer tower.
793(P)/93	4469	Gulf of St. Lawrence - Tête-à-la-Baleine - Information about wharf.
845(P)/93	4460	Gulf of St. Lawrence - Prince Edward Island - Charlottetown - Light established.
103(T)/94	4426	Chaleur Bay - Restigouche River - Dalhousie - Results of survey.
240(P)/94	1317	St. Lawrence River - Cap Rouge - Shoal depth.
299(P)/94	L/C 4020	Strait of Belle Isle - Green Island Brook - Light established.
582(P)/94	4921	Gulf of St. Lawrence - Chaleur Bay - L'Anse-à-Beaufils - Breakwater extension.
583(P)/94	L/C 4464, L/C 4022	Cape Breton Island - Pleasant Bay - Light.
612(T)/94	4483	Gulf of St. Lawrence - Caribou Harbour - Results of survey.
798(P)/94	L/C 4486	Gulf of St. Lawrence - Chaleur Bay - Anse-Bleue - Range lights to be discontinued.
818(T)/94	4957	Gulf of St. Lawrence - Îles de la Madeleine - Havre-Aubert - Wreck.
65(T)/95	1313	St. Lawrence River - Cap-de-la-Madeleine - Wharf partially closed.
526(P)/95	4437	Gulf of St. Lawrence - Pictou Harbour - Light and breakwater.
65(T)/96	4491	Prince Edward Island - Darnley Basin - Light buoy discontinued temporarily.
306(P)/96	LC 4486	Gulf of St. Lawrence - Chaleur Bay - Jacquet River - Light to be discontinued.
351(P)/96	4483, LC 4405, LC 4404, LC 4023, LC 4013	Gulf of St. Lawrence - Caribou - Fog signal to be discontinued.
433(T)/96	1351	Québec - Rivière Richelieu - Île aux Noix - Shoal reported.
434(T)/96	4921	Chaleur Bay - Grande Rivière - Shoal reported.
855(P)/96	4912	Gulf of St. Lawrence - Miramichi River - Black River - Pier.

129(P)/97	LC 1235	St. Lawrence River - Escoumins - Shoal depths.
221(T)/97	- - - -	St. Lawrence River - Upstream from Sorel - Aids obstructed - Caution.
299(P)/97	1409	St. Lawrence River - Canal de la Rive Sud - Sainte-Catherine and Saint-Lambert - Dredged areas.
430(T)/97	1316	St. Lawrence River - Québec Harbour - Maintained area remains temporarily reduced.
115(P)/98	4954	Gulf of St. Lawrence - Îles de la Madeleine - Grande Entrée - Sector light.
116(P)/98	4954	Gulf of St. Lawrence - Îles de la Madeleine - Shoal depths.
142(T)/98	1310	St. Lawrence River - Montréal Harbour - Île aux Cerfeuil - Submerged obstacle.
510(P)/98	1351	Québec - Rivière Richelieu - Île Goyer - Rocks.
517(P)/98	- - - -	Québec - Rivières Richelieu, des Prairies, des Outaouais - Vertical clearances under cables - Caution.
703(P)/98	1233	St. Lawrence River - Île aux Coudres - Shoal depths.
767(P)/98	- - - -	Prince Edward Island - Fog signals to be discontinued.
771(P)/98	- - - -	Cape Breton Island - Enragée Point and Beach Point - Fog signal and light to be discontinued.
772(P)/98	- - - -	Chaleur Bay - Miscou Island - Fog signal to be discontinued.
956(P)/98	- - - -	St. Lawrence River - Thousand Islands, Brockville to Kingston - Buoys and light.
957(P)/98	- - - -	St. Lawrence River - Kingston Harbour and Approaches - Aids to navigation.
1122(T)/98	1316	St. Lawrence River - Pointe de la Martinière - Light buoy.
1137(P)/98	1339, 1338	St. Lawrence River - Île Bouchard - Shoal depths.
1151(P)/98	1339	St. Lawrence River - Varennes - Shoal depths.
1159(P)/98	- - - -	Gulf of St. Lawrence - Miramichi Bay and River - Range lights to be discontinued.
1160(P)/98	- - - -	Gulf of St. Lawrence - Miramichi Bay and River - Range lights to be discontinued.
1746(T)/98	1509	Rivière des Milles-Îles - Laval - Shoal.
1940(P)/98	- - - -	St. Lawrence River - Île Verte - Light to be discontinued.
2111(P)/98	1338, 1339	St. Lawrence River - Contrecoeur - Shoal depths.

2128(T)/98	1509	Québec – Rivière des Prairies – Laval – Log boom.
2134(P)/98	1339	St. Lawrence River – Île Bouchard – Shoal depths.
2305(P)/98	1310	St. Lawrence River - Montréal Harbour - Montréal-Est - Maintained area.
2308(P)/98	1310	St. Lawrence River - Montréal Harbour - Wharf 46 - Maintained area.
2309(P)/98	1310	St. Lawrence River - Montréal Harbour - Wharf 45 - Maintained area.
2321(P)/98	LC 1221	St. Lawrence River - Baie des Moisie - Rocks and shoal depths.
2346(P)/98	- - - -	St. Lawrence River - Canadian Middle Channel - Buoy to be discontinued.
116(P)/99	1317	St. Lawrence River - Île-aux-Grues - Shoal depth.
138(T)/99	4425	Gulf of St. Lawrence - Prince Edward Island - St. Peter's Bay - Range lights temporarily discontinued.
172(T)/99	LC 4003	United States, East Coast - Cape Cod Bay - Light temporarily replaced.
320(P)/99	1233	St. Lawrence River - Île aux Coudres - Saint-Bernard-de-l'Île-aux-Coudres - Shoal depths.
502(P)/99	1338, 1339	St. Lawrence River - Contrecoeur - Île Sainte-Thérèse - Submarine cables abandoned.
510(T)/99	LC 1236	St. Lawrence River - Baie Verte - Light discontinued temporarily.
549(P)/99	LC 4025	Gulf of St. Lawrence - Île d'Anticosti - Scientific equipment established temporarily.
551(P)/99	4921	Gulf of St. Lawrence - Chaleur Bay - Chandler - Shoal depths.
554(P)/99	LC 4486	Gulf of St. Lawrence - Chaleur Bay - Ruisseau Leblanc - Light.
570(P)/99	LC 1221	St. Lawrence River - Moisie - Outfall and crib.
575(P)/99	1233	St. Lawrence River - Île aux Coudres - Submarine cables.
		(6) ST. LAWRENCE SEAWAY, GREAT LAKES AND THE INLAND LAKES AND RIVERS
826(T)/85	2028	Ontario - Lake Simcoe - Cook's Bay - Maskinongé (Jersey) River Entrance - Light established temporarily.
367(T)/88	2222, 2239, 2202	Lake Huron - Georgian Bay - Midland Bay - Tiffin Basin - Wye River Approach - Shoal reported.
90(T)/90	L/C 2077, 2086	Lake Ontario - Off Long Branch - Temporarily cautionary light discontinued - Cautionary lights established temporarily.
610(T)/90	6242	Manitoba - Red River - Lockport - St. Andrews Lock - Bascule lift non-operational - Caution.
150(T)/91	- - - -	Québec - Rivière des Prairies - Booms established temporarily -

Caution.

380(P)/91	2268, 2257, 2299	Lake Huron - North Channel - East of Arnold Rock - Shoal reported.
651(T)/91	2022	Ontario - Trent-Severn Waterway - Rice Lake - South of Birdsalls Point - Light buoy established temporarily.
725(T)/91	2181	Lake Erie - Port Stanley - Information about depths.
769(T)/91	2291	Lake Huron - Goderich Harbour - Results of survey.
811(P)/91	2202	Lake Huron - Georgian Bay - Moon Bay - Information about shoals.
965(T)/91	L/C 2228, 2260	Lake Huron - Grand Bend - St. Joseph - Submerged obstruction reported.
123(P)/92	2202	Lake Huron - Georgian Bay - Parry Island - Off Wynn Island - Shoal depth reported.
214(P)/92	1510	Québec - Lac des Deux Montagnes - Rivière des Prairies - Île Bigras - Information about height of bridge.
355(P)/92	6218, 6212, 6201	Ontario - Lake of the Woods - From Devils Gap to Lunny's Island - Light and spar buoys to be discontinued - Spar buoys to be established.
525(T)/92	2023	Ontario - Trent-Severn Waterway - Otonabee River - Lakefield - Pier under reconstruction - Caution.
563(P)/92	1510	Québec - Ottawa River - Lac des Deux Montagnes - Rivière des Prairies - Plage Noël - Information about new pipeline.
667(P)/92	6218	Ontario - Lake of the Woods - Off Kenora - Spar buoy to be discontinued.
703(T)/92	2251	Lake Huron - St. Joseph Channel - Thessalon - Light discontinued temporarily - Light buoy established temporarily.
812(T)/92	L/C 2122, L/C 2123, L/C 2100	Lake Erie - Pelee Passage - Southeast Shoal - Radiobeacon discontinued temporarily.
172(P)/93	2202	Lake Huron - Georgian Bay - Severn Sound - Information about depths.
51(P)/94	2304	Lake Superior - Patterson Island - Lawrence Bay - Information about shoal.
53(P)/94	2268, 2259, 2299	Lake Huron - North Channel - Whalesback Channel - Beardrop Harbour - Shoal reported.
54(P)/94	2202	Lake Huron - Georgian Bay - Anker Pint Islet - Moon Bay - Shoals reported.
115(P)/94	L/C 2245, L/C 2201, 2204, 2205	Lake Huron - Georgian Bay - Red Rock Point - Fog signal to be discontinued.
121(P)/94	2181, L/C 2110	Lake Erie - Port Dover - Fog signal to be discontinued.
162(P)/94	L/C 2123	Lake Erie - Pelee Island - Information about fish haven.
176(P)/94	L/C 2228, L/C 2200,	Lake Huron - Bayfield - Fog signal to be discontinued.

	2260, 2261	
177(P)/94	2291, L/C 2228, 2261	Lake Huron - Goderich Harbour - Fog signal to be discontinued.
178(P)/94	2291, L/C 2228, L/C 2200, 2261	Lake Huron - Kincardine - Fog signal to be discontinued.
179(P)/94	2292	Lake Huron - Saugeen River - Fog signal to be discontinued.
180(P)/94	2273, 2235, 2298, L/C 2200	Lake Huron - South Baymouth - Fog signal to be discontinued.
182(P)/94	2235, 2282, L/C 2201	Lake Huron - Georgian Bay - Cabot Head - Fog signal to be discontinued.
476(T)/94	L/C 2058, L/C 2077	Lake Ontario - Off Port Darlington - Scientific spar buoys established temporarily.
648(T)/94	- - -	Inland Waters - System reviews.
99(P)/95	- - - -	Lake Superior - Systems review of lightstations.
244(T)/95	2181, LC 2121	Lake Erie - Port Burwell - Light changed temporarily.
650(P)/95	2069	Ontario - Bay of Quinte - Trenton - Mooring rafts - Light - Spar buoy.
683(P)/95	2085, 2086, LC 2077	Lake Ontario - Toronto Harbour - Toronto Harbour Aquatic Park - Light and racon to be discontinued.
736(P)/95	2292	Lake Huron - Saugeen River - Light.
739(P)/95	2085, LC 2077, 2086	Lake Ontario - Western Gap - Range lights to be discontinued.
305(P)/96	- - - -	Great Lakes - Detroit River - Amherstburg - Fog signal to be discontinued.
507(P)/96	LC 2123	Great Lakes - Detroit River - Light to be changed.
603(T)/96	2067, 2086, LC 2077	Lake Ontario - Burlington Canal Entrance - Light buoy established temporarily.
747(P)/96	2069, 2021	Lake Ontario - Bay of Quinte - Result of survey.
106(P)/97	1409	St. Lawrence Seaway - Canal de la Rive Sud - LaSalle and Île des Soeurs - Buoys.
120(P)/97	1409	St. Lawrence Seaway - Canal de la Rive Sud - Sainte-Catherine - Outfall.
332(P)/97	2202	Lake Huron - Georgian Bay - Port Severn to Parry Sound - Depths.
333(P)/97	2239	Lake Huron - Georgian Bay - Port Severn to Hope Island - Depths.
334(P)/97	2289	Lake Huron - Georgian Bay - Giants Tomb Island to Lone Rock - Depths.
335(P)/97	2289	Lake Huron - Georgian Bay - Giants Tombs Island to Lone Rock -

Depths.

336(P)/97	2239	Lake Huron - Georgian Bay - Port Severn to Hope Island - Depths.
361(P)/97	2250	Lake Huron - St. Joseph Channel - Richards Landing - Breakwater.
367(P)/97	LC 2100, LC 2122	Lake Erie - Pointe aux Pins - Light to be changed.
368(P)/97	2251, 2297	Lake Huron - Cockburn Island - Tolsmaville - Light to be discontinued.
369(T)/97	2251, 2297	Lake Huron - Cockburn Island - Light temporarily discontinued.
403(P)/97	2239, 2202	Lake Huron - Georgian Bay - Beausoleil Island to Giants Tomb Island - Buoys.
407(T)/97	1510	Québec - Lac des Deux Montagnes - Anse de Vaudreuil - Shoal reported.
439(P)/97	2312	Lake Superior - Nipigon Bay - Lights.
446(P)/97	- - - -	Ontario - Wiarton - DGPS Initial Operational Service (IOS).
450(P)/97	2305, 2303, 2312, 2304	Lake Superior - Nipigon Bay - Jackfish Bay, Simpson Island, MacInnes Point - Lights to be discontinued.
489(P)/97	- - - -	Lake Ontario - Oshawa Harbour - Changes to the buoyage system - 1997.
491(P)/97	- - - -	Lake Huron - Georgian Bay - Matchedash Bay Approach - Amendments to the aids to navigation level of service - 1997.
531(P)/97	1553	Québec - Ottawa River - Desjardinsville - Light.
533(P)/97	2239, 2289	Lake Huron - Georgian Bay - Cognashene By Pass - The Whalesback - Buoys.
103(P)/98	- - - -	Lake Superior - Fog signals to be privatized.
104(P)/98	- - - -	Lake Erie - Port Colborne - Front range light to be discontinued.
505(P)/98	LC 2123	Lake Erie - Pelee Passage - Buoys to be relocated and discontinued.
506(T)/98	2085, LC 2077, 2086	Lake Ontario - Humber River Entrance - Construction.
723(P)/98	- - - -	Ontario - Kenora - Amendments to the aids to navigation level of service - 1998.
1109(P)/98	- - - -	Lake Ontario - Presqu'île Bay - Buoys and range lights.
1125(P)/98	2069, 2021	Lake Ontario - Bay of Quinte - Trenton - Results of survey.
1148(T)/98	LC 2282	Lake Huron - Georgian Bay - Colpoy's Bay - Barge.
1723(P)/98	2239	Lake Huron - Georgian Bay - Christian Island - Lighthouse Point - Buoy.

1724(P)/98	2215	Lake Huron – Georgian Bay – Collingwood Harbour – Buoys.
1939(T)/98	----	Ontario – Lost Lake – Lights discontinued temporarily.
1959(P)/98	----	Lake Huron - Georgian Bay - Aids to navigation to be changed.
2125(P)/98	1510	Québec – Ottawa River – Carillon – Shoal depth.
2154(P)/98	1514	Québec – Ottawa River – Lac Dollard-des-Ormeaux – Dangerous underwater rock.
2169(P)/98	----	Lake Erie – Aids to navigation to be changed.
2170(P)/98	----	Lake Ontario – Kingston Approaches and North Channel – Aids to navigation to be changed.
2171(P)/98	----	Lake Ontario – Bay of Quinte – Aids to navigation to be changed.
2172(P)/98	----	St. Lawrence River – Thousand Islands – Aids to navigation to be changed.
157(T)/99	1510	Québec - Ottawa River - Lac des Deux Montagnes - Pointe-Calumet - Shoal.
177(P)/99	----	Ontario - Lake Muskoka, Lake Rosseau and Lake Joseph - Aids to navigation to be changed.
577(P)/99	----	Manitoba - Lake Winnipeg - Red River - Maintenance dredging.
(AMA8035-10)		(CCG-H99-044)

***755 LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES IN EFFECT MARCH 26, 1999**

(Revised and promulgated quarterly)

(Reference: Notice 126/99 cancelled)

CHARTS (T) and (P) NOTICES

1203	133(T)/93
L/C 1221	2321(P)/98, 570(P)/99
1233	703(P)/98, 320(P)/99, 575(P)/99
L/C 1235	129(P)/97
L/C 1236	510(T)/99
1310	142(T)/98, 2305(P)/98, 2308(P)/98, 2309(P)/98
1312	1140(P)/98, 151(P)/99
1313	65(T)/95
1314	170(T)/92
1315	155(P)/99
1316	430(T)/97, 1122(T)/98, 114(P)/99
1317	240(P)/94, 116(P)/99, 119(P)/99, 130(P)/99
1338	75(T)/92, 1137(P)/98, 2111(P)/98, 502(P)/99

1339	68(P)/91, 75(T)/92, 1137(P)/98, 1151(P)/98, 2111(P)/98, 2134(P)/98, 502(P)/99
1351	196(T)/87, 636(P)/93, 433(T)/96, 510(P)/98
1409	106(P)/97, 120(P)/97, 299(P)/97
1509	1746(T)/98, 2128(T)/98
1510	214(P)/92, 563(P)/92, 407(T)/97, 2125(P)/98, 157(T)/99
1514	2154(P)/98
1553	531(P)/97
2021	747(P)/96, 1125(P)/98
2022	651(T)/91
2023	525(T)/92
2028	826(T)/85
L/C 2058	476(T)/94
2067	603(T)/96
2069	650(P)/95, 747(P)/96, 1125(P)/98
L/C 2077	90(T)/90, 476(T)/94, 683(P)/95, 739(P)/95, 603(T)/96, 506(T)/98
2085	683(P)/95, 739(P)/95, 506(T)/98
2086	90(T)/90, 683(P)/95, 739(P)/95, 603(T)/96, 506(T)/98
L/C 2100	812(T)/92, 367(P)/97
L/C 2110	121(P)/94
L/C 2121	244(T)/95
L/C 2122	812(T)/92, 367(P)/97
L/C 2123	812(T)/92, 162(P)/94, 507(P)/96, 505(P)/98
2181	725(T)/91, 121(P)/94, 244(T)/95
L/C 2200	176(P)/94, 178(P)/94, 180(P)/94
L/C 2201	115(P)/94, 182(P)/94
2202	367(T)/88, 811(P)/91, 123(P)/92, 172(P)/93, 54(P)/94, 332(P)/97, 403(P)/97
2204	115(P)/94
2205	115(P)/94
2215	1724(P)/98
2222	367(T)/88
L/C 2228	965(T)/91, 176(P)/94, 177(P)/94, 178(P)/94
2235	180(P)/94, 182(P)/94
2239	367(T)/88, 333(P)/97, 336(P)/97, 403(P)/97, 533(P)/97, 1723(P)/98
L/C 2245	115(P)/94
2250	361(P)/97
2251	703(T)/92, 368(P)/97, 369(T)/97
2257	380(P)/91
2259	53(P)/94
2260	965(T)/91, 176(P)/94
2261	176(P)/94, 177(P)/94, 178(P)/94
2268	380(P)/91, 53(P)/94
2273	180(P)/94
2282	182(P)/94, 1148(T)/98
2289	334(P)/97, 335(P)/97, 533(P)/97
2291	769(T)/91, 177(P)/94, 178(P)/94
2292	179(P)/94, 736(P)/95
2297	368(P)/97, 369(T)/97
2298	180(P)/94
2299	380(P)/91, 53(P)/94
2303	450(P)/97
2304	51(P)/94, 450(P)/97
2305	450(P)/97
2312	439(P)/97, 450(P)/97
4000	529(P)/95
L/C 4001(INT 404)	707(T)/93, 163(T)/94, 678(T)/94, 529(P)/95
LC 4003	529(P)/95, 172(T)/99
LC 4006	529(P)/95

L/C 4010	350(P)/94, 420(P)/95
LC 4012	301(T)/99
LC 4013	529(P)/95, 351(P)/96
L/C 4015	192(T)/95
L/C 4016	356(P)/90, 619(T)/93, 105(T)/94, 108(T)/94, 359(T)/94, 444(P)/96
L/C 4017	75(T)/94, 76(T)/94, 359(T)/94, 678(T)/94, 384(T)/95
L/C 4020	299(P)/94
L/C 4022	583(P)/94, 192(T)/95
LC 4023	351(P)/96
LC 4025	549(T)/99
LC 4045	529(P)/95
L/C 4047	105(T)/94, 108(T)/94
L/C 4049	105(T)/94, 359(T)/94
LC 4098	529(P)/95
LC 4099	529(P)/95
4114	137(T)/99
4117	1507(T)/98
4124	73(P)/94, 507(T)/95
4140	748(T)/96
4142	815(P)/93, 113(T)/99
4201(INT 4634)	820(T)/94
4203(INT 4632)	132(T)/99
4210	734(P)/95
4211	346(T)/95
L/C 4227	805(P)/92
LC 4230	734(P)/95
L/C 4234	805(P)/92
L/C 4235	805(P)/92, 461(T)/94, 717(T)/94
4245	373(T)/94, 534(T)/95
LC 4320	301(T)/99
4331	73(P)/94, 181(T)/95, 507(T)/95, 690(T)/95
4332	181(T)/95, 690(T)/95
LC 4340	459(P)/94
4342	459(P)/94
4386	301(T)/99
4381	141(T)/96
4394	237(T)/96
LC 4404	351(P)/96
LC 4405	351(P)/96
4425	138(T)/99
4426	103(T)/94
4437	526(P)/95
4448	649(P)/93
4456	769(P)/90, 433(T)/92
4460	845(P)/93
L/C 4462	649(P)/93
L/C 4464	583(P)/94
4469	793(P)/93
4483	612(T)/94, 351(P)/96
L/C 4486	798(P)/94, 306(P)/96, 554(P)/99
4491	65(T)/96
L/C 4520	47(T)/94, 76(T)/94
4546	613(P)/94
4587	193(T)/87
L/C 4622	356(P)/90, 291(P)/97
L/C 4624	323(P)/88, 356(P)/90
4635	463(P)/94, 594(T)/94, 192(T)/95, 239(P)/97
4637	737(P)/93, 120(P)/96

4641	594(T)/94
4644	154(P)/96, 765(T)/98
L/C 4700	163(T)/94
4702	345(P)/96, 687(P)/96
4703	163(T)/94, 687(P)/96
4728	292(T)/88
L/C 4730	804(P)/93, 163(T)/94
4732	163(T)/94
L/C 4817	568(T)/90, 105(T)/94, 522(P)/94
4830	619(T)/93
L/C 4831	444(P)/96
L/C 4832	413(T)/88, 619(T)/93, 444(P)/96
LC 4841	291(P)/97
4843	568(T)/90
L/C 4844	104(T)/94, 105(T)/94, 522(P)/94
L/C 4846	359(T)/94
L/C 4847	782(T)/92, 535(P)/98
4848	782(T)/92
4849	103(T)/92
L/C 4850	423(P)/94
L/C 4851	191(T)/91, 64(T)/95, 384(T)/95
4912	358(T)/93, 855(P)/96
4921	582(P)/94, 434(T)/96, 551(P)/99
4954	195(T)/93, 115(P)/98, 116(P)/98
4957	818(T)/94
5001(INT 405)	761(T)/94, 153(T)/99
5031	591(T)/93, 703(T)/94
5048	804(P)/93
5049	680(P)/95
5133	163(T)/94
6218	667(P)/92
6242	610(T)/90
6311	738(P)/96, 751(P)/96
7010	153(T)/99
LC 7011	153(T)/99
7083	847(P)/89, 1510(P)/98, 1727(P)/98
7371	634(P)/96
7733	1510(P)/98
7740	847(P)/89
7760	1510(P)/98, 1727(P)/98
LC 8007	529(P)/95
L/C 8010	707(T)/93
L/C 8011	105(T)/94
L/C 8014	76(T)/94, 359(T)/94
L/C 8015	47(T)/94, 75(T)/94, 76(T)/94, 678(T)/94
L/C 8047	804(P)/93
L/C 8048	163(T)/94
L/C 8049	76(T)/94

(AMA8035-10)

(CCG-H99-045)

***756(T) CANADA - Safety of offshore exploration and exploitation vessels.**

Reference: Notice 129(T)/99 cancelled.

1998 Annual Edition of Notices to Mariners, No. 20, pages A20-1 to A20-4.

Mariners are advised that offshore exploration and exploitation vessels are conducting drilling operations in the following approximate positions:

Well Name	Drilling Unit	Co-ordinates
Gulf of St. Lawrence NIL		
Mackenzie Delta NIL		
Beaufort Sea NIL		
Yukon NIL		
Arctic Islands NIL		

For information on Nova Scotia or Newfoundland Offshore activities, please contact C-NSOPB (902)422-5588; C-NOPB (709)778-1400.

NOTE: Mariners are advised to obtain up-to-date position reports on drilling vessels and production installations before entering an area of exploration or exploitation. This information is available by contacting, as appropriate, ECAREG CANADA, NORDREG CANADA or CVTS OFFSHORE via any Marine Communications and Traffic Services Centre (MCTS).

(AMA8035-10-17)

(NEB-H99-002)

***767 NEWFOUNDLAND - Terra Nova Development Safety Zone**

Mariners are advised that on or about May 1st, 1999, the Terra Nova Project will commence construction, dredging, surveying and installation activities associated with the positioning and mooring of their Floating Production and Storage Facility (FPSO) in position 46°28.31'N 48°28.51'W.

Glory Hole excavation is scheduled to commence on or about May 1st, 1999. Four Glory Holes whose locations are indicated in the accompanying diagram, are scheduled for completion September 30th, 1999. Installation of mooring equipment will be carried out from about May 1st 1999 until about September 30th, 1999. Well drilling operations will commence on or about June 1st, 1999 starting at the SW Glory Hole.

To ensure safety from commencement and at every stage of these operations and extending throughout the production phase of the project, a permanent safety zone defined by the following four co-ordinates, will be established as of May 1st, 1999: (See accompanying diagram).

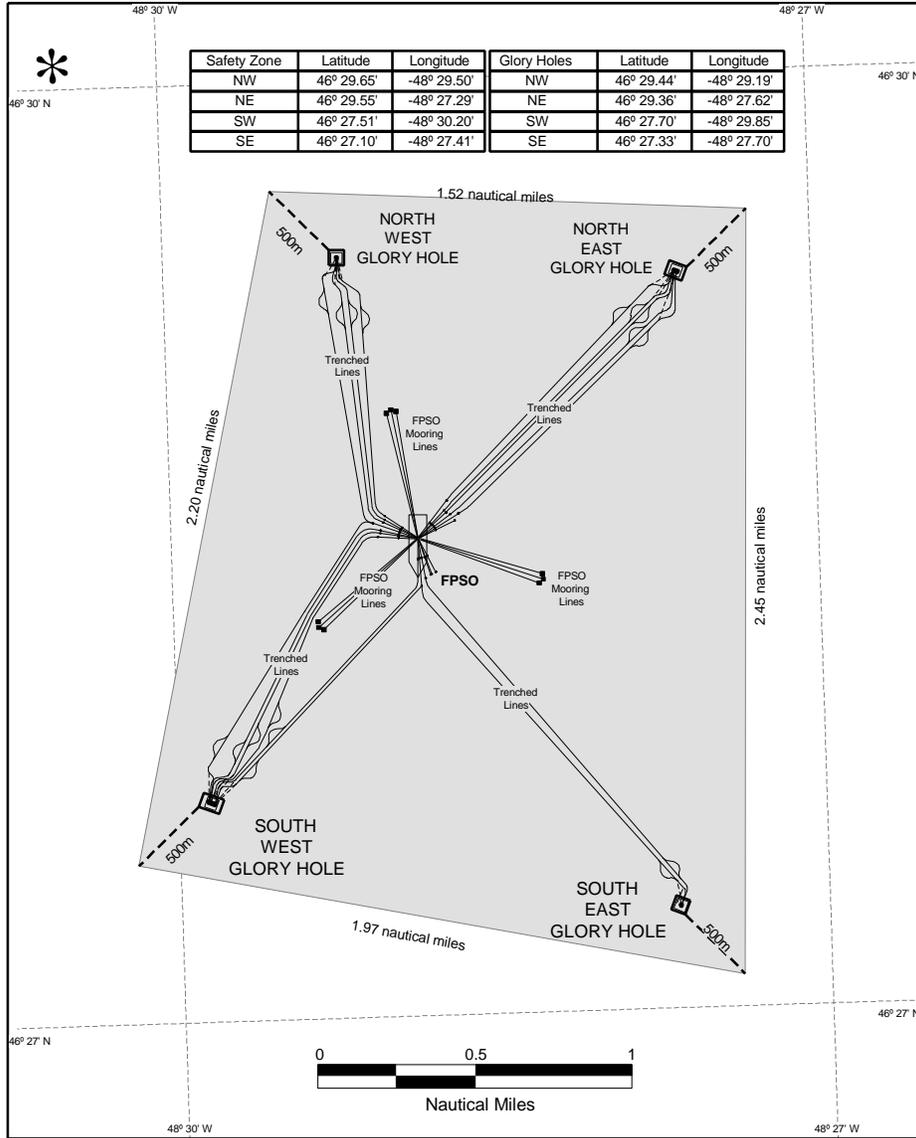
NW	46° 29.65' N	48° 29.50'W
NE	46° 29.55' N	48° 27.29'W
SW	46° 27.51' N	48° 30.20'W
SE	46° 27.10' N	48° 27.41'W

All vessels not directly involved in these operations should remain clear of this zone and navigate with caution in the vicinity.

Chart Nos.: 4000, 4001, 4004, 4013

(AMA8035-10-1)

(CCG-H99-046)



1078-1-WOR-05-APP09



ATTACHMENT 1
 TERRA NOVA FIELD LAYOUT
 PROPOSED PERMANENT SAFETY ZONE BOUNDARY

***761 UNITED STATES, EAST COAST - Submarine cable.**

Chart (Last correction) - LC 4001(Int. 404)(NAD 83)(1)(760/99)

1. Add	submarine cable	joining	39°25'00" N 47°18'30" W
			39 36 30 N 46 40 00 W
			40 05 36 N 44 40 00 W
			40 33 24 N 43 00 00 W
			40 38 00 N 42 40 00 W
			40 41 00 N 42 00 00 W
			40 48 00 N 41 45 00 W
		and	41 01 28 N 41 00 00 W

NOTE: Digital data products 76030(4001) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-103)

***763 NEWFOUNDLAND, EAST COAST - ST. JOHN'S HARBOUR - Buoy, submarine cable, prohibited anchorage zone and depths.**

Chart (Last correction) - LC 4846(Inset, St. John's Harbour)(NAD 83)(1-9)(2152/98)

1. Delete	red light buoy S4		47°33'59".5 N 52°41'16".7 W
2. Add	submarine pipeline	joining	47 33 29.7 N 52 42 20 W
		and	47 33 31.5 N 52 42 22.2 W
			47 33 32.4 N 52 42 22.1 W
3.	prohibited anchorage zone	joining	47 33 29.5 N 52 42 20.4 W
			47 33 31.4 N 52 42 22.8 W
			47 33 32.8 N 52 42 22.6 W
			47 33 32.7 N 52 42 21.5 W
			47 33 31.6 N 52 42 21.6 W
		and	47 33 30 N 52 42 19.6 W
4.	9 metres 3 decimetres		47 34 00 N 52 41 16.7 W
5.	7 metres 8 decimetres		47 33 59.9 N 52 41 15.1 W
6. Delete	5 metres 8 decimetres R		47 33 59.7 N 52 41 16.7 W
7. Add	3 metres 8 decimetres		47 34 11 N 52 41 48.1 W
8.	5 metres 4 decimetres		47 33 36 N 52 42 33.9 W
9. Delete	7 metres		close southwest of paragraph (8)

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

(AMA8035-10-35; 10-5-2)

(CCG-N99-007)(DFO-A99-035)

***702 NEWFOUNDLAND, SOUTHEAST COAST - ST. MARY'S HARBOUR - Light.**

Chart (Last correction) - 4843(Inset, St Mary's Harbour and Adjacent Anchorages et Mouillages Adjacents)(1)(1915/98)

1. Add light F G 46°57'46".8 N 53°31'22".8 W

NOTE: Digital data products 4843R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-306)

***727 NEWFOUNDLAND, SOUTHEAST COAST - BONAVISTA BAY - NEWMAN SOUND - OFF SALTON'S WHARF - Chart amendment.**

Chart (Last correction) - 4855(NAD 83)(1,2)(543/99)

1. Reposition red lighted spar buoy JT2 from 48°34'33".8 N 53°56'05".8 W
to 48 34 46.8 N 53 56 39 W

2. green can buoy JTT1 from 48 34 30.8 N 53 56 09.6 W
to 48 34 43.2 N 53 56 48 W

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

(AMA8035-10-35)

(DFO-A99-026)

***710 NEWFOUNDLAND - BAY OF EXPLOITS - Charts affected by Notice 975/98.**

Charts (Last correction) - 4596(2)(572/99) - 4595(1)(572/99) - 4598(3)(1901/98)

1. Amend Adjoining Chart/Carte adjacente in southeast border of chart at
4599 to read Adjoining Chart/Carte 55°00'30" W (approx.)
adjacente 4865

2. Adjoining Chart/Carte adjacente in east border of chart at
4599 to read Adjoining Chart/Carte 49°17'30" N (approx.)
adjacente 4865

3. Adjoining Chart/Carte adjacente in south border of chart at
4599 to read Adjoining Chart/Carte 54°54'30" W (approx.)
adjacente 4865

NOTE: Digital data products 4595R/M, 4596R/M and 4598R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-064)

***758 NEWFOUNDLAND, EAST COAST - NOTRE DAME BAY - BAY OF EXPLOITS - Sounding.**

Chart (Last correction) - 4595(1)(710/99)

1. Add 7 1/2 fathoms 49°22'51".5 N 55°03'03".4 W

NOTE: Digital data products 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-A98-113)

***726 NEWFOUNDLAND, NORTHEAST COAST - BREHAT SHOAL - Buoy.**

Chart (Last correction) - LC 4020(NAD 27)(1)(1324/98)

1. Add isolated danger light and bell buoy 51°25'20" N 55°26'10" W
FI(2) 10 s, BELL, marked KQG

NOTE: Digital data products 4020R/M and 76094(4020) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N98-220)(DFO-A98-077)

***724 NEWFOUNDLAND, NORTHEAST COAST - QUIRPON HARBOUR - Buoys.**

Chart (Last correction) - 4512(1,2)(302/99)

1. Add south cardinal light buoy 51°35'17".5 N 55°27'18" W
Q(6)+LFI 15 s, YB, marked KQV

2. north cardinal light buoy Q, BY, 51 35 14.5 N 55 27 19 W
marked KQ

NOTE: Digital data products 4512R/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-N98-218, 219)(DFO-A98-078)

***745 NEWFOUNDLAND - LABRADOR - Buoys and lights.**

Charts (Last correction) - 4701(Inset, Occasional Harbor)(NAD 27)(1)(546/99) - 4702(NAD 27)(1,2,6-14)(169/99) - 4702(Inset, St. Michaels Bay)(NAD 27)(3-5)(169/99) - LC 4731(1)(1145/98) - LC 8049 (1)(1145/98) - LC 4700(1)(500/99)

1. Add light FI 52°40'18" N 55°44'58".8 W

2. light FI G 52 43 00 N 55 51 30 W

3. red lighted spar buoy FI R, marked NM4 52 44 30.6 N 55 56 00 W

4. green lighted spar buoy FI G, 52 44 28.2 N 55 56 08.4 W
marked NM5

5. red lighted spar buoy FI R, marked NM8 52 44 38.4 N 55 56 13.8 W

6.	north cardinal spar buoy, marked NDP	53 05 40.8 N 55 51 28.8 W
7.	red light buoy FI R, marked NL4	52 42 50.8 N 55 48 03.9 W
8.	red spar buoy , marked NL2	52 43 02.2 N 55 49 20.4 W
9. Add	red lighted spar buoy FI R, marked ND4	53°04'42" N 55°52'11".6 W
10.	green lighted spar buoy FI G, marked ND3	53 04 45.6 N 55 52 15.6 W
11.	isolated danger light buoy FI(2) 5s, marked NPP	53 11 36 N 55 41 36 W
12.	green light buoy FI G, marked NK3	53 07 33.4 N 55 45 46 W
13.	isolated danger light buoy FI(2) 5s, marked NLJ	52 51 34 N 55 47 01.6 W
14.	red lighted spar buoy FI R, marked NM10	52 46 30.6 N 55 54 15 W

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

(CCG-N97-088, N98-013,057,114,237,238,240-246,279)(DFO-A98-071)

***716 LABRADOR COAST - SANDWICH BAY - PARADISE RIVER AND CRAB HEAD - Buoys.**

Charts (Last correction) - 5138(Inset, Paradise River)(NAD 83)(3,4)(145/99) – 5138 (NAD 83)(1,2)(145/99)
 - 5138(Continuation A)(NAD 83)(3)(145/99) - 5134(5)(145/99)

1. Add	red lighted spar buoy FI R, marked NC8	53°42'35".4 N 57°06'17" W
2.	NC1.2 against red lighted spar buoy	53 44 51.2 N 56 54 59.6 W
3. Replace	red light buoy NV2 with a red lighted spar buoy, FI R marked NV2	53 26 47.6 N 57 17 32 W
4.	red light buoy NV4 with a red lighted spar buoy, FI R marked NV4	53 26 36.6 N 57 17 24 W
5. Add	red lighted spar buoy FI R, marked NC8	53 42 34.9 N 57 06 21.1 W

NOTE: Digital data products 5138R/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-N98-230-232, N99-010)(DFO-A98-067)

***701 NEWFOUNDLAND - LABRADOR - HAMILTON INLET - HART HEAD - Light.**

Chart (Last correction) - 4724(1)(957/89)

1. Add light FI 54°11'39".5 N 58°24'40".5 W

NOTE: Digital data products 76218(4724) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N98-341)

***719 GULF OF ST. LAWRENCE - ÎLES DE LA MADELEINE - MILLERAND - Light.**

Charts (Last correction) - LC 4951(NAD 83)(1)(123/99) - LC 4451(NAD 27)(2)(123/99)

1. Amend FI R to read Iso R 47°12'56".4 N 61°59'03" W

2. FI R to read Iso R 47 12 56.2 N 61 59 05.6 W

NOTE: Digital data products 4451R/M, 4951R/M, 79083(4451) and 79092(4951) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9)

(CCG-L99-011)(DFO-Q99-028)

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

Chart (Last correction) - LC 8007(NAD 27)(1)(564/99)

1. Add submarine cable joining 44°22'52".1 N 63°40'00" W
 44 23 23.7 N 63 36 18.1 W
 44 24 53.7 N 63 35 00.1 W
 44 25 41.7 N 63 34 42.1 W
 44 26 49.5 N 63 35 42.7 W
 and 44 27 36 N 63 37 00 W

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

(AMA8035-10-35)

(DFO-A98-091)

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

Chart (Last correction) - LC 4013(NAD 27)(1)(564/99)

1. Add submarine cable joining 44°22'52".2 N 63°40'00" W
 44 23 23.7 N 63 36 18.2 W
 44 24 53.7 N 63 35 00.2 W
 44 25 41.7 N 63 34 42.2 W
 44 26 49.5 N 63 35 42.8 W
 and 44 27 38.3 N 63 36 59.1 W

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

(AMA8035-10-35)

(DFO-A98-096)

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

Chart (Last correction) - LC 4385(NAD 83)(1)(555/99)

1. Add	submarine cable	joining	44°21'50".5 N 63°47'12" 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 N 63 37 01 W

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

(AMA8035-10-35)

(DFO-A98-098)

***762(T) GULF OF ST. LAWRENCE - PRINCE EDWARD ISLAND - SUMMERSIDE HARBOUR - Depths.**

Chart (Temporarily affected) - 4459(Inset, Summerside Harbour)(NAD 27)(1,2)

1. 21 feet	46°23'12".2 N 63°47'30".3 W
2. 21 feet	46 22 55.8 N 63 48 47.6 W

NOTE: (1) The above information is the result of a recent survey. Additional information will be available at a later date.
 (2) Digital data products 4459R/M, 76181(4459) and 76182(4459) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-027)

***736 NOVA SCOTIA, SOUTHEAST COAST - CAPE LA HAVE ISLAND - Buoy.**

Charts (Last correction) - 4211(NAD 27)(1)(449/95) - LC 4012(NAD 27)(1)(721/99) - 4384(NAD 27)(1)(290/96) - LC 4320(NAD 83)(1)(564/99)

1. Delete	red light and whistle buoy T34	44°10'29" N 64°16'03" W
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NOTE: Digital data products 4012R/M, 4211R/M, 4320R/M, 4384R/M, 76055(4320) and 76198(4012) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-7)

(CCG-F98-133)(DFO-A98-087)

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

Chart (Last correction) - LC 4012(NAD 27)(1)(1307/98)

1. Add	submarine cable	joining	42°40'00" N 64°22'04".4 W
			42 46 27.3 N 64 21 07 W
			42 47 29.1 N 64 21 20.2 W
			42 50 45.9 N 64 23 17.8 W
			43 04 35.7 N 64 31 38.2 W
			43 13 29.7 N 64 30 02.2 W
			43 20 35.7 N 64 23 02.2 W
			43 22 59.7 N 64 21 26.2 W
			43 26 59.7 N 64 19 38.2 W
			43 55 45.3 N 64 08 10 W
			43 58 35.7 N 64 07 02.2 W
			44 00 41.7 N 64 06 02.2 W
			44 02 47.7 N 64 03 02.2 W
			44 19 59.7 N 64 00 02.2 W
			44 23 23.7 N 63 36 17.8 W
			44 24 53.7 N 63 34 59.8 W
			44 25 41.7 N 63 34 41.8 W
			44 26 49.5 N 63 35 42.4 W
		and	44 27 32.5 N 63 36 58 W

NOTE: Digital data products 4012R/M and 76198(4012) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-097)

***757 BAY OF FUNDY - INNER PORTION - MINAS CHANNEL AND COBEQUID BAY - Buoys and radar reflector.**

Chart (Last correction) - LC 4010(NAD 27)(1-3)(1530/98)

Reference: Notice 420(P)/95 cancelled.

1. Delete	radar reflector	45°18'48".2 N 64°25'26".4 W
2.	light and bell buoy MN	45 22 54 N 64 33 06 W
3.	light and bell buoy M9	45 19 00 N 63 57 40 W

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.

(AMA8035-10-5-7)

(CCG-F98-097,196,197)(DFO-A98-121)

***717 UNITED STATES, EAST COAST - SCOTIAN SHELF - Submarine cable.**

Chart (Last correction) - LC 8006(NAD 27)(1)(2350/98)

1. Add	submarine cable	joining	41°24'00" N 64°54'36" W
			41 40 59.7 N 64 39 02.1 W
			42 15 29.7 N 64 25 38.1 W
			42 21 07.5 N 64 25 16.5 W
			42 21 16.5 N 64 25 02.7 W
			42 27 50.1 N 64 23 26.7 W

42 27 53.1 N 64 22 24.9 W
 42 32 47.1 N 64 22 17.1 W
 42 33 41.7 N 64 21 51.3 W
 42 35 08.7 N 64 22 56.7 W
 42 35 40.5 N 64 23 04.5 W
 42 37 29.7 N 64 22 26.1 W
 42 46 27.3 N 64 21 06.9 W
 42 47 29.1 N 64 21 20.1 W
 43 04 35.7 N 64 31 38.1 W
 43 13 29.7 N 64 30 02.1 W
 43 20 35.7 N 64 23 02.1 W
 43 22 59.7 N 64 21 26.1 W
 and
 43 33 00 N 64 17 18.6 W

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

(AMA8035-10-35)

(DFO-A98-092)

***764 NEW BRUNSWICK - MIRAMICHI BAY - SHIP CHANNEL - Buoys.**

Chart (Last correction) - 4911(NAD 83)(1-10)(964/98)

1. Reposition	green light buoy M7	from	47°06'26".3 N 64°57'59" W
		to	47 06 23.5 N 64 57 54.3 W
2.	red light buoy M10	from	47 06 45 N 64 58 26 W
		to	47 06 44.6 N 64 58 26.8 W
3.	green light buoy M11	from	47 06 44 N 64 58 32 W
		to	47 06 43.5 N 64 58 33.1 W
4.	green light buoy M13	from	47 07 48.5 N 64 59 18.5 W
		to	47 07 48.1 N 64 59 19.6 W
5.	red light buoy M14	from	47 07 50.5 N 64 59 14.7 W
		to	47 07 49.8 N 64 59 16 W
6.	green light buoy M15	from	47 08 27.3 N 65 00 22.5 W
		to	47 08 25.3 N 65 00 17.9 W
7. Add	red light buoy FI R, marked M8		47 06 36.4 N 64 58 13.5 W
8.	red light buoy Q R, marked M10.2		47 06 48.6 N 64 58 30.9 W
9.	green spar buoy, marked M7.5		47 06 32.2 N 64 58 10.7 W
10.	green light buoy FI G, marked M15.5		47 08 31.7 N 65 00 28.3 W

NOTE: Digital data products 4911R/M and 76133(4911) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G98-069-074,076,077,080,081)(DFO-A98-074)

***748 GULF OF ST. LAWRENCE - MIRAMICHI RIVER - SHELDRAKE CHANNEL - Buoys.**

Chart (Last correction) - 4912(NAD 83)(1,2)(964/98)

- | | | |
|--------|-----------------------------------|-----------------------------|
| 1. Add | red light buoy FI R, marked M54.2 | 47°04'56".7 N 65°18'01".2 W |
| 2. | green spar buoy, marked M59.3 | 47 04 55.8 N 65 21 20.7 W |

NOTE: Digital data products 4912R/M and 76125(4912) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G98-078,079)(DFO-A98-076)

***715 UNITED STATES, EAST COAST - GEORGES BANK - Submarine cable.**

Chart (Last correction) - LC 8005(NAD 27)(1)(307/97)

- | | | | |
|--------|-----------------|---------|---------------------------|
| 1. Add | submarine cable | joining | 40°26'00" N 66°20'09".1 W |
| | | and | 40 29 39.9 N 66 10 00 W |

NOTE: Digital data products 8005R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-090)

***760 UNITED STATES, EAST COAST - Submarine cable.**

Chart (Last correction) - LC 4001(Int. 404)(NAD 83)(1)(747/99)

- | | | | |
|--------|-----------------|---------|-------------------------|
| 1. Add | submarine cable | joining | 39°25'00" N 67°41'38" W |
| | | | 39 41 12 N 66 30 42 W |
| | | | 39 32 00 N 66 06 24 W |
| | | | 39 30 48 N 65 55 00 W |
| | | | 39 32 12 N 65 50 00 W |
| | | | 39 45 30 N 65 30 00 W |
| | | | 40 03 23 N 62 22 50 W |
| | | | 40 13 27 N 59 45 02 W |
| | | | 40 29 19 N 56 27 37 W |
| | | | 40 35 00 N 54 40 00 W |
| | | | 40 33 24 N 54 10 42 W |
| | | | 40 38 42 N 53 50 00 W |
| | | | 40 43 00 N 53 00 00 W |
| | | | 40 46 30 N 52 40 00 W |
| | | | 40 50 00 N 52 28 24 W |
| | | | 40 59 30 N 52 23 12 W |
| | | | 41 01 42 N 52 18 12 W |
| | | | 41 07 00 N 49 14 00 W |
| | | and | 41 08 34 N 49 09 52 W |

NOTE: Digital data products 76030(4001) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-100)

***735 UNITED STATES, EAST COAST - Submarine cable.**

Chart (Last correction) - LC 4003(NAD 27)(1)(550/99)

1. Add	submarine cable	joining	39°30'00" N 68°39'39".3 W
			39 35 23.7 N 68 06 35.4 W
			39 34 23.7 N 68 02 49.2 W
			39 38 20.1 N 68 00 26.4 W
			39 38 59.7 N 67 58 02.4 W
			39 52 59.7 N 67 47 02.4 W
			40 33 29.7 N 66 00 02.4 W
			40 55 59.7 N 65 20 02.4 W
			41 40 59.7 N 64 39 02.4 W
			42 15 29.7 N 64 25 38.4 W
			42 21 07.5 N 64 25 16.8 W
1. Add	submarine cable		42°27'50".1 N 64°23'27" W
			42 27 53.1 N 64 22 25.2 W
			42 33 41.7 N 64 21 51.6 W
			42 35 40.5 N 64 23 04.8 W
			42 46 27.3 N 64 21 07.2 W
			43 04 35.7 N 64 31 38.4 W
			43 13 29.7 N 64 30 02.4 W
			43 20 35.7 N 64 23 02.4 W
			43 22 59.7 N 64 21 26.4 W
			43 58 35.7 N 64 07 02.4 W
			44 00 41.7 N 64 06 02.4 W
			44 02 47.7 N 64 03 02.4 W
			44 19 59.7 N 64 00 02.4 W
			44 23 23.7 N 63 36 18 W
			44 24 53.7 N 63 35 00 W
			44 25 41.7 N 63 34 42.7 W
		and	44 27 28.5 N 63 36 48.7 W

NOTE: Digital data products 4003R/M and 76140(4003) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-034)

***742 UNITED STATES, EAST COAST - BEAR SEAMOUNT TO PENNANT POINT - Submarine cable.**

Chart (Last correction) - LC 4001(Int. 404)(NAD 83)(1)(550/99)

1. Add	submarine cable	joining	39°25'00" N 69°05'47" W
			39 26 00 N 69 04 00 W
			39 35 24 N 68 06 33 W
			39 34 40 N 68 02 53 W
			39 53 00 N 67 47 00 W
			40 33 30 N 66 00 00 W
			40 56 30 N 65 19 30 W
			41 41 00 N 64 39 00 W
			42 15 30 N 64 25 36 W
			42 27 53 N 64 22 23 W
			42 46 28 N 64 21 05 W
			43 04 36 N 64 31 36 W

43 13 30 N 64 30 00 W
 43 23 00 N 64 21 24 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 16 W
 44 25 42 N 63 34 40 W
 and 44 27 20 N 63 36 29 W

NOTE: Digital data products 76030(4001) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-005)

***729 ST. LAWRENCE RIVER - BANC DE L'ÎLE AUX LIÈVRES - Shoal depths.**

Chart (Last correction) - LC 1234(NAD 27)(1-3)(576/99)

1. Add	6 metres 1 decimetre	47°41'04".1 N 69°52'11".6 W
2.	4 metres 8 decimetres	47 40 25.1 N 69 52 10.7 W
3. Replace	6 metres 1 decimetre with 5 metres 7 decimetres	47 39 47.2 N 69 52 30 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-Q99-034)

***704 QUÉBEC - RIVIÈRE SAGUENAY - SAINT-FULGENCE - Outfall and crib.**

Charts (Last correction) - 1209(NAD 27)(1,2)(1348/98) - 1202(Continuation A)(NAD 27)(3,4)(2339/98)

1. Add	outfall	joining	48°26'44".4 N 70°53'09" W 48 26 42.1 N 70 53 09.2 W and 48 26 36.4 N 70 53 08.6 W
2.	crib with a drying height of 5 feet		48 26 36.4 N 70 53 08.6 W
3.	outfall	joining	48 26 45.3 N 70 53 09 W 48 26 42.1 N 70 53 09.3 W and 48 26 36.4 N 70 53 08.6 W
4.	crib with a drying height of 1 fathom		48 26 36.4 N 70 53 08.6 W

NOTE: Digital data products 1202R/M, 1209R/M, 79077(1209) and 79094(1202) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-025)

***759 UNITED STATES, EAST COAST - Submarine cables.**

Charts (Last correction) - LC 4003(NAD 27)(1,2)(735/99)

1. Add	submarine cable	joining	40°07'50" N 71°04'57" W 40 01 00 N 71 01 58 W 39 58 24 N 71 00 01 W 39 55 00 N 70 55 32 W 39 46 47 N 70 50 43 W 39 42 18 N 70 45 02 W 39 37 18 N 70 36 02 W and 39 30 00 N 70 20 33 W
2.	submarine cable	joining	39°30'00" N 67°21'27" W 39 40 00 N 66 40 02 W 39 41 12 N 66 30 44 W 39 40 36 N 66 27 56 W 39 32 00 N 66 06 26 W 39 30 48 N 65 55 02 W 39 32 12 N 65 50 02 W 39 40 00 N 65 40 02 W 39 45 30 N 65 30 02 W 39 56 36 N 63 40 52 W 40 02 52 N 62 29 13 W 40°11'15" N 60°34'39" W 40 13 14 N 60 03 55 W 40 13 27 N 59 45 05 W 40 15 00 N 59 34 02 W and 40 21 40 N 58 14 56 W

NOTE: Digital data products 4003R/M and 76140(4003) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-104)

***734 ST. LAWRENCE RIVER - LAC SAINT-PIERRE - Buoy.**

Chart (Last correction) - 1312(NAD 83)(1)(732/99)

1. Reposition	red light buoy SJ2	from	46°07'48".1 N 72°56'58".4 W
		to	46 07 48.1 N 72 55 58.4 W

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

(AMA8035-10-5-9)

(CCG-L99-017)(DFO-Q99-031)

***703(P) ST. LAWRENCE RIVER - SOREL - Light discontinued.**

Chart (Which will be affected) - 1338(NAD 27)(1)

Reference: Notice 164(P)/99.

1. Delete	light	46°02'57".3 N 73°06'52" W
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NOTE: (1) A new chart incorporating the above-mentioned change will be available at a later date.

- (2) 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-Q99-027)

***706 ST. LAWRENCE RIVER - SOREL - Light discontinued.**

Chart - 1350(Sheet 1)(Compartment A)(Inset, Sorel)(NAD 27)(1)

Reference: Notice 152/99.

1. Delete light 46°02'57".4 N 73°06'52" W

NOTE: Digital data products 1350R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-9) (DFO-Q99-026)(CCG-L99-008)

***732 ST. LAWRENCE RIVER - PORT DE SOREL - Shoal depth.**

Charts (Last correction) - 1350(Sheet 1)(Compartment A)(Inset, Sorel)(NAD 27)(2) - 1312(Inset, Port de Sorel)(NAD 83)(1)(2345/98)

1. Add 7 metres 9 decimetres 46°02'47".8 N 73°07'14".4 W

2. Add 7 metres 9 decimetres 46°02'47".6 N 73°07'15".9 W

NOTE: Digital data products 1312R/M, 1350R/M and 79130(1312) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35) (DFO-Q99-032)

***720 ST. LAWRENCE RIVER - ÎLE AUX CERFEUILS - Obstruction and shoal depth.**

Chart (Last correction) - 1310(Compartment A-B)(NAD 83)(1,2)(2342/98)

Reference: Notice 142(T)/98 cancelled.

1. Add 0 metre 6 decimetres 45°42'34".9 N 73°27'31".2 W

2. rock which covers and uncovers with a drying height of 1 metre 45 42 37.9 N 73 27 22.8 W

NOTE: (1) Digital data products 1310R/M and 79001(1310) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

- (2) The submerged obstacle in the channel close to l'Île aux CerfeUILS between buoys MU-6 and MU-4 is no longer perceptible.

(AMA8035-10-35) (DFO-Q99-029)

***747 UNITED STATES, EAST COAST - Submarine cables.**

Chart (Last correction) - LC 4001(Int. 404)(NAD 83)(1-3)(742/99)

1. Add	submarine cable	joining	40°07'23" N 74°01'30" W 40 04 56 N 73 54 20 W 40 05 05 N 73 18 06 W 39 59 15 N 72 56 06 W 39 45 24 N 72 22 30 W 39 33 30 N 72 00 00 W and 39 25 00 N 71 36 33 W
2.	submarine cable	joining	40 43 41 N 72 51 49 W 39 51 07 N 72 15 05 W and 39 25 00 N 71 45 42 W
3.	submarine cable	joining	41 22 01 N 71 36 03 W 41 09 59 N 71 24 55 W 41 07 23 N 71 24 32 W 40 41 59 N 71 20 00 W 40 01 00 N 71 01 55 W 39 42 18 N 70 45 00 W and 39 25 00 N 70 08 30 W

NOTE: Digital data products 76030(4001) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A98-099)

***722 QUÉBEC - OTTAWA RIVER - DOLLARD-DES-ORMEAUX TO ORLÉANS - Buoys.**

Charts - 1514(Compartment A-B, Carillon à/to Papineauville)(NAD 83)(1-5) - 1515(Compartment B-C, Papineauville à/to Ottawa)(NAD 83)(6)

1. Reposition	red buoy H207	from to	45°34'42".1 N 74°26'54".4 W 45 34 42.4 N 74 26 53.4 W
2.	red light buoy HK4	from to	45 36 59.7 N 74 36 07 W 45 37 00.4 N 74 36 08.9 W
3.	red buoy H244	from to	45 37 28 N 74 36 43 W 45 37 28.2 N 74 36 41.6 W
4.	green light buoy H247	from to	45 37 23.9 N 74 37 07.5 W 45 37 24.2 N 74 37 05.7 W
5.	green buoy H253	from to	45 37 46 N 74 37 42.5 W 45 37 45.8 N 74 37 40.7 W
6.	green buoy H423	from to	45 30 11 N 75 30 45 W 45 30 11.4 N 75 30 43.8 W

NOTE: Digital data products 1514R/M and 1515R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L99-014,015)(DFO-Q99-030)

***708 TRENT SEVERN WATERWAY - TRENTON - Bridge clearance.**

Chart - 2021(Sheet 2)(Trenton to/à Glen Ross)(NAD 27)(1)

1. Amend	vertical clearance of 28ft to read 25ft	44°06'16" N 77°34'48".5 W
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NOTE: Digital data products 2021R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-007)

***709 LAKE ERIE, EASTERN PORTION - Calling-in-points.**

Charts (Last correction) - LC 2120(NAD 27)(1,2,7,8)(New Edition, Nov.98) - LC 2100 (NAD 27)(3-6) (2102/98)

1. Add	arrowhead to calling-in-point with an azimut of 233 1/2°	42°49'16" N 79°16'18" W
2.	arrowhead to calling-in-point with an azimut of 240°	42 26 42 N 79 58 36 W
3.	arrowhead to calling-in-point with an azimut of 233 1/2°	42 48 40 N 79 15 45 W
4.	arrowhead to calling-in-point with an azimut of 240°	42 27 10 N 79 59 10 W
5. Add	light FI R	42°41'35".8 N 79°02'42".8 W
6.	light FI G	42 41 29.8 N 79 02 42.8 W
7.	light FI R 2.5 s 10 m 4 M	42 41 35.8 N 79 02 42.8 W
8.	light FI G 4 s 9 m 4 M	42 41 29.8 N 79 02 42.8 W

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

(AMA8035-10-35)

(DFO-C99-002)

***740 LAKE ONTARIO, WEST END - Temporary aids discontinued.**

Chart (Which was temporarily affected) - LC 2077(NAD 83)

Reference: Notices 90(T)/90 and 476(T)/94 cancelled.

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

(AMA8035-10-35)

(DFO-C99-059)

***738 LAKE ERIE - LONG POINT BAY - Radio tower.**

Chart (Last correction) - LC 2110(NAD 83)(1)(New Ed., May/98)

1. Amend radio tower elevation to read 362 m 42°44'46".5 N 80°19'10".2 W

NOTE: Digital data products 2110R/M, 73049(2110) and 73050(2110) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-048)

***751 GEORGIAN BAY - BYNG INLET - STILL RIVER - Overhead cables.**

Chart (Last correction) - 2293(Continuation B-C)(Byng Inlet)(NAD 83)(1-3)(629/97)

1. Delete overhead cable between 45°46'24" N 80°33'21" W
and 45 46 24 N 80 33 23 W2. overhead cable between 45 46 28 N 80 33 20 W
and 45 46 28 N 80 33 22 W3. overhead cable between 45 46 31.5 N 80 33 19 W
and 45 46 31.5 N 80 33 20.5 W

NOTE: Digital data products 2293R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-034)

***737 LAKE HURON - GODERICH – Result of survey.**

Charts (Which were temporarily affected) - LC 2228(NAD 83) - 2260(NAD 27)

Reference: Notice 965(T)/91 cancelled.

NOTE: Digital data products 2228R/M, 2260R/M and 73092(2228) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-022)

***707 LAKE HURON - GEORGIAN BAY - TOAD ISLAND - Buoys and beacon range.**

Charts (Last correction) - 2204(Sheet 3)(Compartment C-D)(French River to/à Beaverstone Bay) (NAD 27)(4-11,14-18) - LC 2244(NAD 27)(3-9)(131/98) - 2204(Sheet 4)(Compartment D-E) (Beaverstone Bay to/à Killarney)(NAD 27)(8-13) - LC 2245(NAD 27)(1-5,8,9)(459/97)

1. Delete track line between 45°57'00" N 81°11'33" W
45 56 44.5 N 81 12 01 W
45 56 30 N 81 12 13 W

			45 56 10.5 N 81 12 14 W
			45 56 06 N 81 12 18 W
			45 56 01.5 N 81 13 02 W
			45 55 10 N 81 13 59 W
		and	45 55 05 N 81 13 48 W
2. Add	track line	joining	45 55 05 N 81 13 48 W
			45 55 10 N 81 13 53 W
			45 56 06 N 81 13 53 W
			45 56 10 N 81 13 49 W
			45 56 45 N 81 12 46.2 W
			45 56 52.5 N 81 12 26 W
		and	45 57 07 N 81 11 33 W
3.	red spar buoy, marked D88		45 56 06 N 81 13 48 W
4.	red spar buoy, marked D90		45 56 27 N 81 13 16 W
5.	green spar buoy, marked D91		45 56 32 N 81 13 11 W
6. Delete	track line	between	45 57 17 N 81 11 06 W
			45 56 44.5 N 81 12 01 W
			45 56 30 N 81 12 13 W
			45 56 10.5 N 81 12 14 W
			45 56 06 N 81 12 18 W
			45 56 01.5 N 81 13 02 W
			45 56 10 N 81 13 59 W
		and	45 55 05 N 81 13 48 W
7. Add	track line	joining	45 55 05 N 81 13 48 W
			45 55 10 N 81 13 53 W
			45 56 06 N 81 13 53 W
			45 56 10 N 81 13 49 W
			45 56 45 N 81 12 46.2 W
			45 56 52.5 N 81 12 26 W
		and	45 57 17 N 81 11 06 W
8. Add	red spar buoy, marked D92		45°56'43" N 81°12'47" W
9.	red spar buoy, marked D92/2		45 56 55 N 81 12 10 W
10. Delete	beacon range		45 56 37 N 81 12 13 W (approx.)
11.	port hand daybeacon		45 56 38 N 81 12 11 W
12.	track line	between	45 57 17 N 81 11 06 W
			45 56 44.5 N 81 12 01 W
		and	45 56 33.5 N 81 12 10.5 W
13. Add	track line	joining	45 56 35.6 N 81 13 02.5 W
			45 56 45 N 81 12 46.2 W
			45 56 52.5 N 81 12 26 W
		and	45 57 17 N 81 11 06 W
14. Delete	beacon range		45 56 19 N 81 12 43 W (approx.)
15.	beacon range		45 56 07 N 81 12 11 W (approx.)

- | | | | | |
|----------------|-----------------------------------------------|------|----------|------------------------|
| 16. | beacon range | | 45 56 23 | N 81 11 59 W (approx.) |
| 17. Reposition | red spar buoy D88 | from | 45 56 01 | N 81 13 01 W |
| | | to | 45 56 06 | N 81 13 48 W |
| 18. Delete | Inset Entrance to/Entrée à
Beaverstone Bay | | 45 54 21 | N 81 15 24 W (approx.) |

NOTE: Digital data products 2204R/M, 2244R/M, 2245R/M, 73052(2244) and 73054(2245) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13)

(DFO-C98-166)(CCG-D98-028)

***752 LAKE HURON - GRAND BEND - Daybeacon.**

Chart - 2260(NAD 27)(1)

- | | | | | |
|--------|---------------------|--|---------------|---------------|
| 1. Add | starboard daybeacon | | 43°18'48".5 N | 81°46'02".8 W |
|--------|---------------------|--|---------------|---------------|

NOTE: Digital data products 2260R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-040)

***713 LAKE HURON - KETTLE POINT REEF - Sounding.**

Chart - 2260(NAD 27)(1)

- | | | | | |
|---------------|--------|------|-------------|-------------|
| 1. Reposition | 13.2 m | from | 43°14'26" N | 82°00'42" W |
| | | to | 43 14 30 N | 82 00 51 W |

NOTE: Digital data products 2260R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-056)

***714 LAKE HURON - SARNIA - Radiobeacon.**

Charts (Last correction) - LC 2228(NAD 83)(1)(715/98) - LC 2200(NAD 27)(1)(1514/98) - 2260(NAD 27)(1)

- | | | | | |
|-----------|-------------|--|-------------|-------------|
| 1. Delete | radiobeacon | | 43°00'19" N | 82°25'20" W |
|-----------|-------------|--|-------------|-------------|

NOTE: Digital data products 2200R/M, 2228R/M, 2260R/M, 73092(2228) and 73095(2200) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-057)

***739 LAKE HURON - SARNIA - Rear range light.**

Chart - 2260(NAD 27)(1)

1. Amend F G 19 m to read F 16 m 42°59'30" N 82°25'42" W

NOTE: Digital data products 2260R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-058)

***750 LAKE ERIE - MAUMEE BAY - Spoil ground.**

Chart (Last correction) - LC 2123(NAD 27)(1-3)(1535/98)

1. Add	spoil ground	joining	41°48'08" N 83°18'48".7 W
			41 49 06.4 N 83 16 51.7 W
			41 48 22.6 N 83 16 14.4 W
			41 47 24.6 N 83 18 11.9 W
		and	41 48 08 N 83 18 48.7 W
2.	5 metres 2 decimetres		41 48 05 N 83 17 08.4 W
3.	5 metres 8 decimetres		41 47 47.4 N 83 16 50.4 W

NOTE: Digital data products 2123R/m and 73089(2123) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-003)

***712 LAKE SUPERIOR - Fog signals.**

Charts (Last correction) - LC 2309(U.S. Standard)(1,2)(930/98) - 2310(U.S. Standard)(1)(932/98) - 2314(NAD 27)(7-11)(935/98) - 2312(U.S. Standard)(3,4,12)(2108/98) - 2313(U.S. Standard)(5)(934/98) - 2311(U.S. Standard)(6)(933/98) - LC 2302(U.S. Standard)(4,12)(924/98) - 2303 (U.S. Standard)(3)(2107/98) - LC 2301(U.S. Standard)(5-7)(923/98) - 2308(U.S. Standard)(2)(929/98)

1. Delete	fog signal	47°45'15" N 85°35'45" W
2.	fog signal	48 06 43.5 N 86 04 00 W
3.	fog signal	48 45 06 N 87 33 24 W
4.	fog signal	48 36 11 N 88 08 33 W
5. Delete	fog signal	48°20'24" N 88°38'54" W
6.	fog signal	48 17 34 N 88 52 25 W
7.	fog signal	48 22 10 N 89 07 14 W
8.	fog signal	48 21 00 N 89 12 04 W
9.	fog signal	48 23 53 N 89 12 00 W
10.	fog signal	48 24 38 N 89 12 18 W

- | | | |
|-----|------------|-----------------------|
| 11. | fog signal | 48 26 38 N 89 10 38 W |
| 12. | tower | 48 36 09 N 88 08 36 W |

NOTE: Digital data products 2301R/M, 2302R/M, 2303R/M, 2308R/M, 2309R/M, 2310R/M, 2311R/M, 2312R/M, 2314R/M, 73014(2314), 73015(2314), 73016(2314), 73017(2314), 73062(2312), 73065(2311), 73066(2303), 73068(2302), 73070(2301), 73072(2308), 73086(2309), 73087(2310), 73120(2312) and 73146(2313) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-21)

(CCG-D97-014)(DFO-C98-174)

***749 HUDSON BAY - DAWSON INLET TO MARBLE ISLAND - Rocks.**

Chart (Last correction) - 5397(1)(1310/98)

Reference: Notice 1310/98.

- | | | |
|------------|-------------------------------------------------------------------------------|-----------------------------|
| 1. Replace | rock with a drying height of 1 ft with
a rock with a drying height of 4 ft | 61°58'32".7 N 92°25'05".6 W |
|------------|-------------------------------------------------------------------------------|-----------------------------|

(AMA8035-10-35)

(DFO-C99-001)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 132 — Paragraph 8, last line

Add: A **light** (277.5) is shown from a 12 foot (3.7 m) high tower showing a green and white daymark on three sides, on the east extremity of Wall Island.

(N08/99)

Page 134 — Paragraph 19, last line

Add: Isolated danger light **buoy** NS (276.9) is moored off the north extremity of the shoal.

(N08/99)

Page 135 — Paragraph 38, last line

Add: A **light** (276.85) is shown from a 12 foot (3.7 m) high tower showing a green and white daymark on three sides, on the west side of Killick Island.

(N08/99)

Page 138 — Paragraph 66, line 15 – after “(2.4 m)”

Insert: and marked by starboard hand **buoy** NU6 (277.44)

(N08/99)

Page 138 — Paragraph 74, last line

Add: A **light** (276.87) is shown from a 12 foot (3.6 m) high tower showing a red, white and red daymark on three sides, on the south end of Green Island.

(N08/99)

Page 139 — Paragraph 81, last line

Add: Starboard hand lighted spar **buoy** NMH2 (276.77) is moored about 0.1 mile SSW of Burnt Point.

(N08/99)

Page 139 — Paragraph 85, last line

Add: A shoal with a least depth of 13 feet (4 m) extends 0.2 mile south of the SW extremity of Duck Island. Starboard hand light **buoy** NS8 (276.75) is moored close west of the shoal.

(N08/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 141 — After paragraph 92

Insert: 92.1 **Shag Rocks** located about 0.5 mile east of the south entrance point to Long Harbour consist of 3 small islets. A **light** (276.6) is shown from a 12 foot (3.6 m) high tower showing a red and white daymark, on the easternmost islet.

(N08/99)

Page 150 — After paragraph 194

Insert: 194.1 A **light** (279.3) is shown from a 10 foot (3 m) high red, white and red mast, on the south side of the easternmost and larger of the Twin Islands.

(N08/99)

Page 153 — Paragraph 206, line 8 – after “water”

Insert: and marked by starboard hand light **buoy** NL4 (279.29)

(N08/99)

Page 153 — Paragraph 209, line 5 – after “(10.4 m)”

Insert: and marked by a **buoy**

(N08/99)

Page 154 — Paragraph 225, last line

Add: A **light** (279.31) is shown from a 19 foot (5.9 m) high tower showing green and white daymark on three sides, on Pigeon Island.

(N08/99)

Page 155 — Paragraph 229, line 1

Delete: Two

Replace by: Four

(N08/99)

Page 155 — Paragraph 231, line 2 – after “it”

Insert: and marked by starboard hand lighted spar **buoy** NM8 (279.62)

(N08/99)

Page 155 — Paragraph 244, last line

Add: A drying rock marked by starboard hand light spar **buoy** NM10 (279.72) is located about 0.1 mile SW of the SW end of Duck Island.

(N08/99)

Page 158 — Paragraph 255, line 5 – after “Bank.”

Insert: Isolated danger **buoy** NLJ (279.809) is moored on Matthew Bank close SSE of Gull Rock.

(N08/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 165 — Paragraph 32, line 2 – after “**Bed**”

Insert: , marked by port hand light **buoy** NK3 (280.02),

(N08/99)

Page 165 — Paragraph 37, last line

Add: At the junction of Caplin Bay with Squasho Run there is an island with shoal water extending west and south of it. An isolated shoal marked by a **buoy** is situated about 0.1 mile north of the NW end of the island. About 0.9 mile SSW of the previously mentioned island, port and starboard hand light spar **buoys** ND3 and ND4 (280.01, 280.011) mark the channel between several dangers in Squasho Run.

(N08/99)

Page 167 — Paragraph 62, line 2 – after “(9.1 m)”

Insert: marked by isolated danger light **buoy** NPP (280.04)

(N08/99)

Page 172 — Paragraph 150, last line

Add: Starboard hand light **buoy** NB2 (280.16) marks Toole Rock.

(N08/99)

Page 174 — Paragraph 162, last line

Add: The reef is marked by isolated danger light **buoy** NBT (280.85).

(N08/99)

Pages 174 and 175 — Delete paragraph 174

Replace by: 174 Wharves which serve the settlement of **Black Tickle** are situated at the SW corner of Salmon Bight. The southernmost L-shaped Public **wharf** used mainly by commercial vessels has a 34 foot (10.5 m) wide Ro-Ro ramp incorporated into the south side of its outer end. Another L-shaped wharf and a fish plant and marginal wharf are located close north and west of the southernmost wharf.

(N08/99)

Page 175 — Delete paragraph 175

Replace by the diagram of Black Tickle included in **Section IV** of this Monthly Edition.

(N08/99)

Page 180 — Paragraph 251, last line

Add: **Buoys** mark both approaches to Indian Tickle.

(N08/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 189 — Paragraph 382, last line

Add: Starboard hand light **buoy** NC8 (284.45) marks the extremity of shoal water extending from the SW end of Diver Island.

(N08/99)

Page 190 — Paragraph 396, line 2 – after “it”

Insert: and marked by light spar **buoy** NC 1.2 (284.40) and

(N08/99)

Page 194 — Delete paragraph 450.1 (Re: correction promulgated in Weekly Edition No. 35/89)

Replace by: 450.1 Starboard hand light spar **buoys** NV2 and NV4 (284.9, 284.95) are moored at the outer end of the above mentioned channel.

(N08/99)

Page 206 — Paragraph 168, last line

Add: A **light** (290.3) is shown from a 12 foot (3.7 m) high tower showing a red and white daymark on three sides, on Hart Head.

(N08/99)

Page 212 — Paragraph 241, line 3 – after “formation.”

Insert: A **light** (296.1) is shown from a 12 foot (3.7 m) high tower showing a red and white daymark, on Long Point.

(N08/99)

Page 213 — Paragraph 264, line 1

Delete: A spar buoy

Replace by: Port hand lighted spar **buoy** H7 (5112.0)

(N08/99)

Page 215 — Paragraph 297, last line

Add: A **submarine cable** extends in a SW'ly direction from a point about 0.8 mile NW of the north tip of Snake Island to a point about 0.28 mile SSW of the south tip of the same island.

(N08/99)

Page 234 — Delete paragraphs 172, 173 and 174

Replace by the diagram of Postville included in **Section IV** of this Monthly Edition.

(N08/99)

Page 344 — Paragraph 295, lines 4 and 5

Cancel correction promulgated in Weekly Edition No. 20/90.

Delete: “each with a” to end of paragraph.

Replace by: and a radar reflector.

(C18/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Page 345 — Paragraph 296, lines 2 and 3
Delete: 58 feet (18 m)
Replace by: 50 feet (15.2 m) (C18/99)
- Page 345 — Paragraph 296, line 3 – after “fluorescent-orange”
Insert: slatted (C18/99)
- Page 345 — Paragraph 303, line 2
Delete: asbestos
Replace by: ore (C24/99)
- Page 345 — Paragraph 314, line 2
Delete: Asbestos Corporation
Replace by: Falconbridge Limited (C24/99)
- Page 345 — Paragraph 314, line 5
Delete: “there are the” to end of paragraph.
Replace by: there is a sealift dock and dispersal area with a large
shed. Four abandoned radio towers are all that remain of the
original settlement of Deception. (C24/99)
- Page 346 — Paragraph 316, lines 4 and 5
Delete: Asbestos Corporation (C24/99)
- Page 346 — Paragraph 318, line 1
Delete: Asbestos Corporation
Replace by: The ore (C24/99)
- Page 346 — Delete paragraph 319. (C23/99)
- Page 347 — Photograph caption, delete lines 2 and 3
Replace by: Storage facility and wharf. (C24/99)
- Page 350 — Paragraph 354, lines 3 and 4
Delete: square daymark.
Replace by: slatted rectangular daymark and radar reflector. (C18/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 396 — Paragraph 83

Cancel correction promulgated in Monthly Edition No. 12/96.

Delete paragraph 83

Replace by: 83 **Radiobeacon.** — A privately maintained radiobeacon, reported in 1997, is located between the settlement and the airport.

(C18/99)

Page 397 — Paragraph 93, line 2

Delete: at low water

(C18/99)

Page 397 — Paragraph 95, line 2

Delete: 9.1 m (30 ft)

Replace by: 9.8 m (32 ft)

(C18/99)

Page 397 — Delete paragraph 96

Replace by: 96 A white rotating aeronautical **light** at the airport is not conspicuous in all directions.

(C19/99)

Page 397 — Paragraph 99, delete line 3

Replace by: *Population:* 316 in 1996.

(C19/99)

Page 397 — Paragraph 99, lines 8 and 9

Delete: “with Rankin Inlet ... by Calm Air”

Replace by: three times weekly from Rankin Inlet. Other air services may be chartered at Rankin Inlet

(C19/99)

Page 397 — Paragraph 99, delete line 12

Replace by: *Accommodation:* A small Inns North hotel is operated by the Co-op.

(C19/99)

Page 405 — Paragraph 178, lines 1 and 2

Delete: , although reported difficult to see,

(C19/99)

Page 413 — Paragraph 59, line 3

Delete: 30 feet (9.1 m)

Replace by: 32 feet (9.8 m)

(C19/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 413 — Paragraph 60, line 2

Delete: 8 feet (2.4 m)

Replace by: 7 feet (2.1 m)

(C19/99)

Page 413 — Paragraph 62, line 2

Delete: settlement

Replace by: airport

(C20/99)

Page 413 — Paragraph 62, line 3 – after “(— ● — — ● ● — — ●).”

Add: The radiobeacon has a white strobe light by day and a red flashing light at night.

(C20/99)

Page 413 — Paragraph 63, line 3

Delete: 105 feet (32 m)

Replace by: 57 feet (17.4 m)

(C20/99)

Page 413 — Paragraph 64, line 2

Delete: 30 feet (9.1 m)

Replace by: 36 feet (11 m)

(C20/99)

Page 414 — Paragraph 66, lines 2 and 3

Delete: 76 feet (23 m)

Replace by: 30 feet (9.1 m)

(C20/99)

Page 414 — Paragraph 66, line 3 – after “cairn.”

Insert: An inconspicuous beacon, 21 feet (6.4 m) in height, located on the SW end of the largest of the Morso Islands, consists of a wooden mast on a forty gallon drum.

(C20/99)

Page 414 — Paragraph 69, lines 5 to 7

Delete: “The red aircraft” to end of paragraph.

Replace by: The air obstruction **lights** of the radiobeacon are also conspicuous.

(C20/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 414 — Paragraph 72, lines 3 and 4

Cancel correction promulgated in Monthly Edition No. 6/96.

Delete: “at a narrow” to end of paragraph.

Replace by: at a gravel landing area (new in 1997) in the NE bay of
 Whale Cove

(C21/99)

Page 414 — Paragraph 73, delete line 3

Replace by: *Population*: 235 in 1996

(C21/99)

Page 414 — Paragraph 73, after line 13

Add: *Accommodation*: A small Inns North hotel is operated by
 the Co-op.

(C21/99)

Page 415 — Paragraph 85, lines 2 and 3

Delete: “**Eskimo Point**” to end of paragraph.

Replace by: **Arviat** (Eskimo Point) is on the north side of Eskimo
 Point

(C21/99)

Page 415 — Paragraph 87

Cancel correction promulgated in Monthly Edition No. 12/97.

Delete paragraph 87

Replace by: 87 A white aeronautical **light** is located at the airport.

(C21/99)

Page 415 — Paragraph 88, line 3

Delete: 20 m (64 ft)

Replace by: 17 m (56 ft)

(C21/99)

Page 415 — Paragraph 88, lines 5 to 8

Delete: “An old, unmaintained” to end of paragraph.

(C22/99)

Page 415 — Paragraph 89, line 2

Delete: 15.2 m (50 ft)

Replace by: 18.4 m (60 ft)

(C22/99)

Page 415 — After paragraph 89

Insert: 89.1 An unmaintained triangular **beacon** is visible on
 the highest point of land, 9 m (30 ft) NW of the light structure.

(C22/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 416 — Paragraph 94, line 5

Delete: radio

Replace by: radiobeacon

(C22/99)

Page 416 — Paragraph 94, lines 6 and 7

Delete: “52 m (171 ft),” to end of paragraph.

Replace by: 23.1 m (76 ft) and 2 shorter towers with fixed red lights
are conspicuous at night. A white, rotating aeronautical **light** on
top of the airport building is also conspicuous at night.

(C22/99)

Page 416 — Paragraph 95, lines 1 and 2

Delete: “A large ... is conspicuous”

Replace by: Six large oil tanks south of the hamlet are conspicuous

(C22/99)

Page 416 — Paragraph 99, line 1

Delete: **Eskimo Point**

Replace by: **Arviat**

(C22/99)

Page 416 — Paragraph 99, delete line 3

Replace by: *Population*: 1323 in 1997

(C23/99)

Page 416 — Paragraph 99, lines 9 and 10

Delete: “, four times ... Calm Air”

Replace by: and Rankin Inlet eight times a week

(C23/99)

Page 425 — INDEX, after “Arvarlik Islands”

Insert: Arviat (hamlet) 415, 416

(C23/99)

Page 451 — INDEX, after “Shag Rocks (Groswater Bay)

Insert: Shag Rocks (St. Lewis Sound)..... 141

(N08/99)

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

Page 219 — Paragraph 8, lines 1 to 3

Delete: Light and whistle **buoy** T34 is moored 3.2 miles south of
West Ironbound Island.

(A10/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 279 — Paragraph 163, lines 6 and 7

Delete: Light and bell **buoy** MN is moored 1.5 miles south of the
light.

(A10/99)

Page 282 — Paragraph 189, lines 9 and 10

Delete: Light and bell **buoy** M9 is moored 1.5 miles SSW of
Brick Kiln.

(A10/99)

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

—

Page 3 — Paragraph 27, line 3 – after “(4 m).”

Add: and marked by isolated danger light **buoy** KQG
(235.3)

(N09/99)

Page 5 — Paragraph 40, line 1 – after “**Bay**”

Insert: the approach of which is marked by **buoys**

(N09/99)

Page 23 — Paragraph 256, line 6 – after “spar” (Re: correction promulgated
in Monthly Edition No. 9/98)

Add: light

(N09/99)

Page 48 — Paragraph 311, last line

Add: Starboard hand lighted spar **buoy** DBE4 (352.6) is
moored about 300 feet (91.4 m) NNW of the northernmost of
two small islets at the mouth of the cove.

(N09/99)

Page 57 — Paragraph 432, last line

Add: A **light** (353.1) is shown from a 12 foot (3.6 m) high
skeleton tower showing a green, white and green daymark on
three sides, on Seal Rock.

(N09/99)

Page 93 — Paragraph 360, line 3 – after “Island.”

Insert: **Buoys** mark the approach to Burnside.

(N09/99)

Page 96 — Paragraph 383, line 9 – after “JT (442.2)”

Insert: , JTT1 (5227.0)

(N09/99)

Page 101 — Paragraph 413, line 12 – after “(0.6 m)”

Insert: and marked by **buoys**

(N09/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

ATL 102 — Newfoundland, Cape Bonavista to Ferryland Head (including Placentia Bay), First Edition, 1995 —

Page 43 — Paragraph 30, line 5

Delete: 61 m (200 ft)

Replace by: 91.5 m (300 ft)

(N07/99)

Page 44 — Paragraph 32, lines 3 and 4

Delete: “**Ruby** ... west.”

(N07/99)

Page 44 — Paragraph 32, line 5

Delete: “about ... Rock,”

Replace by: located near the NW extremity of The Narrows

(N07/99)

Page 45 — Table, St. John’s Port Corporation – Berths, Berth 6

Delete: 7 m (23 ft)

Replace by: 5.4 m (18 ft)

(N07/99)

Page 48 — After paragraph 45

Insert: ^{45.1} A **submarine pipeline** extends about 120 m (394 ft) NNW from Berth 29; anchorage is prohibited near this pipeline.

(N07/99)

Page 58 — Paragraph 140, line 7 – after “Beach.”

Insert: A **light** (8.2) is shown from a 2.1 m (7 ft) high mast on the north end of the marginal wharf.

(N07/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 75 — After paragraph 96

Insert: ^{96.1} Close north of Whiffen Head the Newfoundland Transshipment Terminal extends 378 m (1,242 ft) from the shore with reported depths of 19.4 to 21 m (64 to 69 ft) alongside the outer face 301 m (990 ft) long. The terminal's centre dolphin has a deck elevation of 5.9 m (19 ft). The remaining dolphins have a deck elevation of 5 m (16 ft). A depth of 19.6 m (64 ft) is situated about 170 m (558 ft) west of the NE end of the terminal. Privately maintained **lights** are shown from all dolphins. A privately maintained **light** is shown from the north extremity of the tug berth close north of the main structure. The terminal is equipped with 100 tonne SWL quick release mooring hooks and the north-breasting dolphin is equipped with a 200 tonne bollard. Crude carriers with a displacement of up to 181,000 tonnes use this facility. Two tugs with firefighting capabilities are permanently on station.

(N07/99)

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

Page 17 — Paragraph 227, line 1

Delete: *The Landings Marina at Creg Quay*

Replace by: *The Creg Quay Marina*

(C05/99)

Page 17 — Paragraph 227, line 10 – after “**buoys.**”

Add: *The Landings Restaurant* is next to the marina.

(C05/99)

Page 20 — Delete paragraph 288.

(C05/99)

Page 21 — Paragraph 306, line 1

Delete: A **submerged water intake**

Replace by: Two **submerged water intakes**

(C05/99)

Page 25 — After paragraph 36

Insert: ^{36.1} A privately **buoyed channel** leads to the entrance of the marina, which is marked by a privately maintained **light**.

(C05/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

CEN 302 — Lake Ontario, First Edition, 1996 —

Page 19 — Paragraph 281, line 3

Delete: a clearance of 28 feet (8.5 m)

Replace by: clearances of 28 feet (8.5 m) and 25 feet (7.6 m)
respectively

(C07/99)

Page 42 — Paragraph 17, lines 1 and 2

Delete: “at an elevation ... (21.9 m)”

(C06/99)

Page 43 — Paragraph 25, line 8 – after “weather.”

Add: There is a public **ramp**, protected by breakwalls,
1 mile WNW of McGlennon Point, at Wicklow Beach.

(C07/99)

Page 44 — Paragraph 42, line 3

Delete: 0.7 to 1.2 m (2 to 4 ft)

Replace by: 1 m (3 ft)

(C07/99)

Page 44 — Paragraph 42, line 5

Delete: hoist,

(C07/99)

Page 45 — Delete paragraph 56

Replace by: ⁵⁶ **Caution.** — **Peter Rock** (*43°56'N, 78°14'W*),
which dries to 1 foot (0.3 m) and is connected to shore by a
shallow **rocky spit**, lies 0.7 mile offshore midway between
Cobourg and Port Hope.

(C06/99)

Page 51 — Paragraph 141, line 3

Delete: “1 to 1.6 m ... in 1994”

Replace by: 1.4 to 2.7 m (5 to 9 ft) in 1997

(C06/99)

Page 57 — Paragraph 227, lines 5 and 6

Delete: . The outer end of each

Replace by: ; the outer end of this

(C08/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 62 — Paragraph 298, lines 2 to 4

Delete: “2 m (7 ft) at” to end of paragraph.

Replace by: 2.4 m (8 ft) at the wharves and 5.2 m (17 ft) in the
entrance channel in 1997.

(C08/99)

Page 62 — Paragraph 300, lines 2 to 4

Delete: “1.2 to 3.8 m” to end of paragraph.

Replace by: 2.2 m (7 ft) at the wharves and 3.3 m (11 ft) in the
entrance channel in 1997.

(C08/99)

Page 62 — Paragraph 302, line 3

Delete: 2.6 m (9 ft) in 1994

Replace by: 2.4 m (8 ft) in 1997

(C08/99)

Page 62 — Paragraph 303, lines 2 to 4

Delete: “0.8 m (3 ft)” to end of paragraph.

Replace by: 2.9 m (10 ft) at the wharves, 2.4 m (8 ft) at the fuel
dock and 4.4 m (14 ft) in the approaches, in 1997

(C08/99)

Page 62 — Paragraph 306, lines 2 and 3

Delete: 2 m (7 ft) in 1994

Replace by: 3.4 m (11 ft) in 1997

(C08/99)

Page 62 — Paragraph 307, lines 3 and 4

Delete: “5.5 m ... 1994”

Replace by: and 2.8 m (9 ft) in the entrance channel and at the
wharves in 1997

(C06/99)

Page 62 — After paragraph 307

Insert: ^{307.1} *Outer Harbour Sailing Federation*, on the
NW shore of the Outer Harbour, has a mooring area for
sailboats and camping and picnic grounds.

(C06/99)

Page 62 — Paragraph 308, line 2

Delete: 3.7 m (12 ft) in 1994

Replace by: 2.9 m (10 ft) in 1997

(C07/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 7 — Delete paragraph 68

Replace by: ⁶⁸ **Bridge 10 piers**, remnants of a dismantled railway bridge, are located at Mile 9.1, 0.8 mile south of the Guard Gate cut.

(C01/99)

Page 8 — Delete paragraph 94

Replace by: ⁹⁴ **Bridge 21**, a road lift bridge, is near Mile 22.

(C01/99)

Page 27 — Paragraph 68, line 1

Delete: *The Pembina Exploration Company*

Replace by: *Talisman Energy*

(C02/99)

Page 32 — Paragraph 161, lines 1 to 4

Delete: "A **water** ... structure"

Replace by: A municipal **water tower** 0.8 mile NE of the river mouth is conspicuous. The structure, elevation 212 feet (64.5 m), is 156 feet (47.5 m) in height and

(C01/99)

Page 34 — Delete paragraph 185 (Re: correction promulgated in Monthly Edition No. 13/96)

Replace by: ¹⁸⁵ A **radio tower**, 0.4 mile NNE of Fishers Glen, is 265 feet (80.8 m) high, elevation 381 feet (116 m).

(C02/99)

Page 43 — Paragraph 83, line 1

Delete: upstream

Replace by: downstream

(C02/99)

Page 44 — Paragraph 105, line 4

Page 44 — Paragraph 106, line 7

Delete: *Pembina*

Replace by: *Talisman Energy*

(C02/99)

Page 46 — Paragraph 136, lines 1 and 2

Delete: the *Pembina Natural Gas Company*

Replace by: *Talisman Energy*

(C02/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

CEN 304 — Detroit River, Lake St. Clair and St. Clair River, First Edition, 1996 —

Page 35 — After paragraph 133

Insert: ^{133.1} **Caution.** — A submerged **natural gas pipeline** crosses the river just south of the Stag Island Shoal light.

(C09/99)

Page 37 — Paragraph 156, line 1 — after “a”

Insert: twin

(C09/99)

CEN 306 — Georgian Bay, First Edition, 1998 —

Page 3 — Paragraph 23, Table

Delete entry 8 (Penetanguishene)

(C14/99)

Page 9 — Delete paragraph 39.

(C11/99)

Page 18 — After paragraph 223

Insert: ^{223.1} There is a *Canadian Coast Guard Search and Rescue* station between *Big Tub Harbour Resort* and *Lighthouse Point*.

(C15/99)

Page 18 — Paragraph 225, lines 7 to 10

Delete: “Part of the” to end of paragraph.

Replace by: The Public wharf extends 400 feet (122 m) south from the ferry terminal.

(C15/99)

Page 21 — After paragraph 7

Insert: ^{7.1} A **microwave tower** 0.2 mile NW of Cape Croker light has an elevation of 103 m (338 ft). A **radio tower** 2.7 miles SW of the light has an elevation of 112 m (367 ft). A **water tower** 2.4 miles farther SW has an elevation of 62 m (203 ft). All of the towers have air obstruction **lights**.

(C12/99)

Page 24 — Paragraph 49, line 3

Delete: a gravel

(C13/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 24 — Paragraph 54, line 6 – after “shore.”

Add: Small craft can find anchorage closer inshore.

(C11/99)

Page 24 — Paragraph 67, lines 4 to 6

Delete: “A microwave ... lights.”

(C15/99)

Page 25 — Paragraph 78, line 1

Delete: submerged

(C10/99)

Page 26 — Paragraph 87, line 3

Delete: 6.1 m (20 ft)

Replace by: 7 m (23 ft)

(C12/99)

Page 27 — Paragraph 116, line 1 – after “**Harbour**”

Insert: (44°35'N, 80°56'W)

(C10/99)

Page 27 — Paragraph 117, line 9 – after “services.”

Add: The *Billy Bishop Airport* is just NE of the city.

(C10/99)

Page 27 — Paragraph 121, line 4 – after “(10 ft).”

Add: An overhead power **cable**, clearance 12.3 m (40 ft),
crosses the harbour close north of the bridge.

(C10/99)

Page 27 — Paragraph 122, line 4

Delete: 3.5 m (11 ft)

Replace by: 3.1 m (10 ft)

(C15/99)

Page 28 — Paragraph 132, line 3 – after “*Museum*”

Add: *and Tourist Information Centre*

(C10/99)

Page 28 — Paragraph 144, line 1

Delete: six

Replace by: four

(C14/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 29 — Paragraph 154, lines 5 and 6

Delete: but no

Replace by: and a

(C12/99)

Page 30 — Paragraph 160, line 3 – after “(13 ft).”

Insert: Another road bridge 0.1 mile upstream of the river bend has a clearance of 3.6 m (12 ft).

(C15/99)

Page 32 — After paragraph 194

Insert: ^{194.1} There is a municipal **water tower**, elevation 56 m (184 ft) 1 mile SE of the elevator. The tower has air obstruction **lights**.

(C13/99)

Page 32 — After paragraph 195

Insert: ^{195.1} A conspicuous microwave **tower**, elevation 438 m (1,438 ft), with air obstruction **lights** at the top, is located 6.3 miles WSW of Sunset Point.

(C10/99)

Page 33 — Paragraph 227, lines 1 to 3

Delete: “A road ... crosses the river”

Replace by: Two road **bridges** with a vertical clearance of 11 feet (3.4 m) cross the river; the first is 1 mile inside the river mouth and the second is

(C13/99)

Page 36 — Paragraph 8, line 6 – after “high”

Insert: A depth of 5 feet (1.5 m) lies 0.5 mile NE of the light.

(C12/99)

Page 37 — Paragraph 31, line 4 – after “Steers”

Delete: Island

Replace by: Rock

(C14/99)

Page 39 — Paragraph 72, line 6 – after “boulders.”

Add: The bay mentioned above is a popular anchorage for small craft.

(C11/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 41 — After paragraph 134

Add: ^{134.1} A *Canadian Coast Guard Inshore Rescue Boat* is based at Bréfeuf Island during the boating season. Dates are subject to change (*see* information on *Search and rescue* in Sailing Directions booklet *CEN 300 — General Information, Great Lakes*).

(C14/99)

Page 43 — Paragraph 178, lines 3 and 4

Delete: , at the NW end of *Highway 93*

(C15/99)

Page 44 — Paragraph 178, line 5

Delete: and there is a hospital

(C14/99)

Page 49 — Paragraph 278, line 2

Delete: is

Replace by: was

(C11/99)

Page 49 — Paragraph 282, lines 1 to 4

Delete: “a storage capacity” to end of paragraph.

Replace by: not been used since 1988.

(C11/99)

Page 51 — After paragraph 309

Insert: ^{309.1} *Nautical Masters Inc.*, a marina on the south side of the bay further west of the bridge, offers a range of services, including a 30 tonne hoist.

(C11/99)

Page 68 — Paragraph 19, line 1

Page 110 — Paragraph 166, line 5

Page 110 — Paragraph 180, line 1

Page 110 — Paragraph 181, line 3

Page 110 — Paragraph 182, line 2

Delete: *AL*

Replace by: *AA2*

(C12/99)

Page 81 — Delete paragraph 106.

(C14/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 84 — After paragraph 170

Insert: 170.1 A *Canadian Coast Guard Inshore Rescue Boat* is based at Brébeuf Island during the boating season. Dates are subject to change (*see* information on *Search and rescue* in Sailing Directions booklet *CEN 300 — General Information, Great Lakes*).

(C14/99)

Page 87 — Paragraph 237, lines 1 and 2

Delete: Though well marked with private aids, this

Replace by: This

(C13/99)

Page 91 — Paragraph 307, line 4

Delete: red triangular daymark

Replace by: fluorescent-red and white rectangular daymark with a red triangle in the centre

(C12/99)

Page 92 — Paragraph 332, lines 1 to 3

Delete: “There ... It”

Replace by: There is a Public **wharf** and boat **ramp** on the south side of Twelve Mile Bay, 2.5 miles east of Bowes Island. The concrete portion of the wharf

(C13/99)

Page 95 — Delete paragraph 40

Replace by: ⁴⁰ **Caution.** — Two **rocks** with depths of 4 feet (1.2 m) lie off the east shore of Sans Souci Island, 450 feet (137 m) SSW and 0.1 mile south of Rosalie Island.

(C13/99)

Page 135 — INDEX, left column – after “Farr Rock, 59”

Insert: Fathom Five National Marine Park, 17

(C11/99)

Great Lakes, Volume 2, Seventh Edition, 1993 –

Page 58 — Paragraph 91, line 5

Cancel correction promulgated in Monthly Edition No. 6/96.

Insert: In 1997, depths of 3 feet (0.9 m) were reported along the service wharf.

(C25/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 60 — Paragraph 126, line 3

Delete: “34 feet (10.3 m)” to end of paragraph.

Replace by: 30 feet (9.1 m) from a white square structure and tower, 26 feet
(8 m) high.

(C25/99)

Page 174 — Delete paragraph 441

Replace by: 441 **Marina**. — *The Spanish Municipal Marina*, at Spanish, has 80 slips and a fuel dock with depths of 6 feet (1.8 m). Vessels up to 50 feet (15 m) may berth overnight. Power and water, pump out, gasoline and diesel fuel are available. Marina facilities include pay phone, showers, snack bar, picnic area, launch ramp and motel accommodation. A laundromat, ice, groceries, restaurant and licensed dining room are available nearby.

(C25/99)

Page 174 — Paragraph 442, lines 2 and 3

Delete: veterinarian, restaurants, golf and tennis.

Replace by: medical and dental clinic, restaurants.

(C25/99)

Page 175 — Delete paragraph 465

Replace by: 465 **Cutler** (population 974 in 1997) is a community on *Highway 17* at the head of Aird Bay. The community is partly on The Serpent River First Nation Reserve. The Reserve has a health centre, art gallery, restaurant, trading post and convenience store.

(C26/99)

Page 178 — Delete paragraph 563

Replace by: 563 **Algoma Mills** (population 293 in 1994), 1 mile NE of Lally Point, has cabins, campgrounds, two resorts, a variety store, restaurant and a postal outlet. The community is on *Highway 17*, 6 miles east of Blind River.

(C26/99)

Page 178 — Paragraph 564, line 2 – after “Algoma”

Insert: Mills

(C26/99)

Page 178 — Paragraph 566, line 1 – after “Algoma”

Insert: Mills

(C26/99)

Page 179 — Paragraph 598, line 1 – after “Club,”

Insert: a private facility,

(C26/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 182 — Paragraph 673, line 3 – after “bank.”

Insert: The west side of Jubilee Shoal is marked by a **buoy**.

(C27/99)

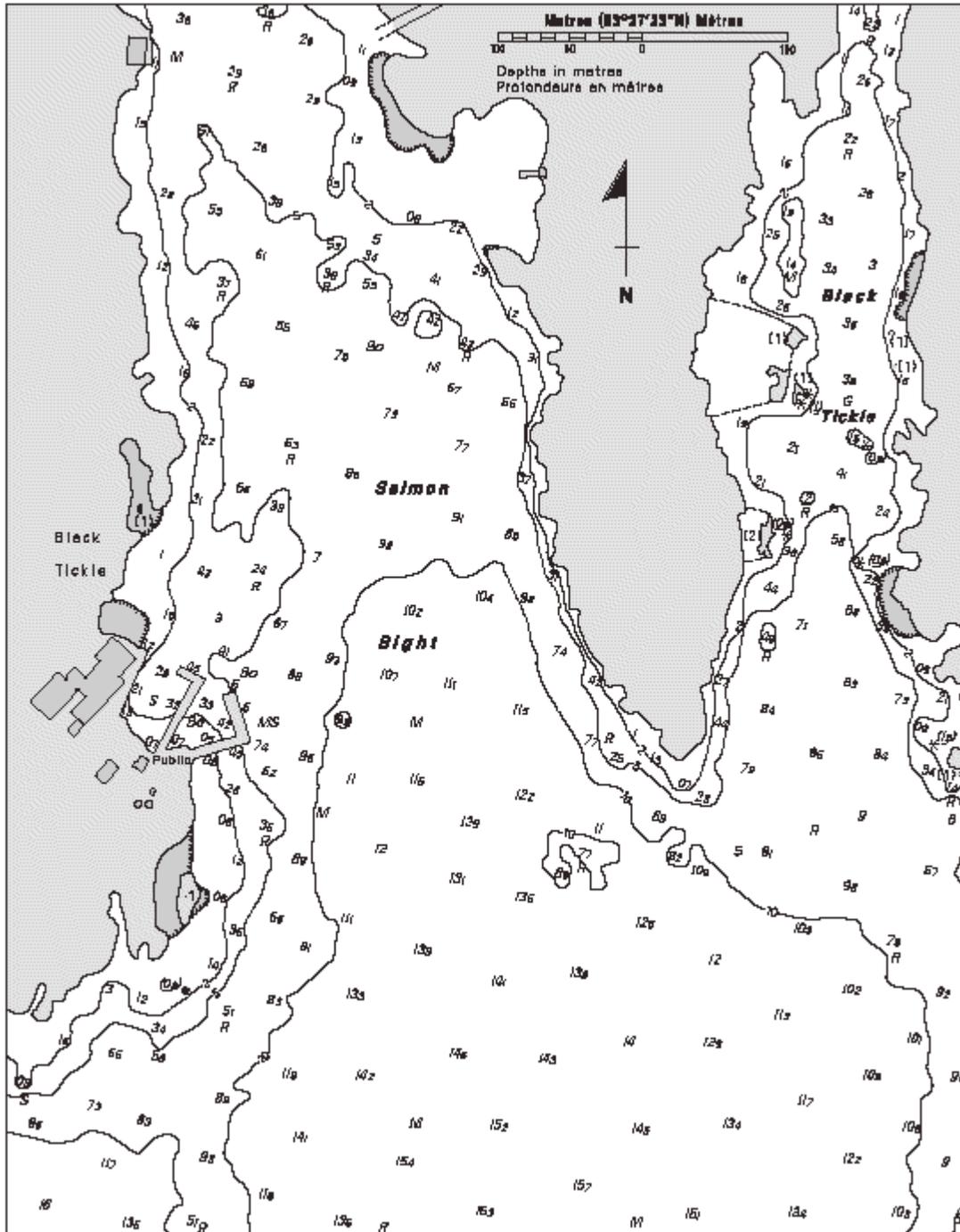
Page 188 — After paragraph 56

Insert: 56.1 **Caution.** — A concrete rubble block, with an iron bar projecting, obstructs the south end of the east face of the wharf. The block lies 4 m (13 ft) off the wharf and has a depth of 0.9 m (3 ft). A boulder, submerged 1.5 m (5 ft), obstructs the west end of the south face of the wharf.

(C27/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

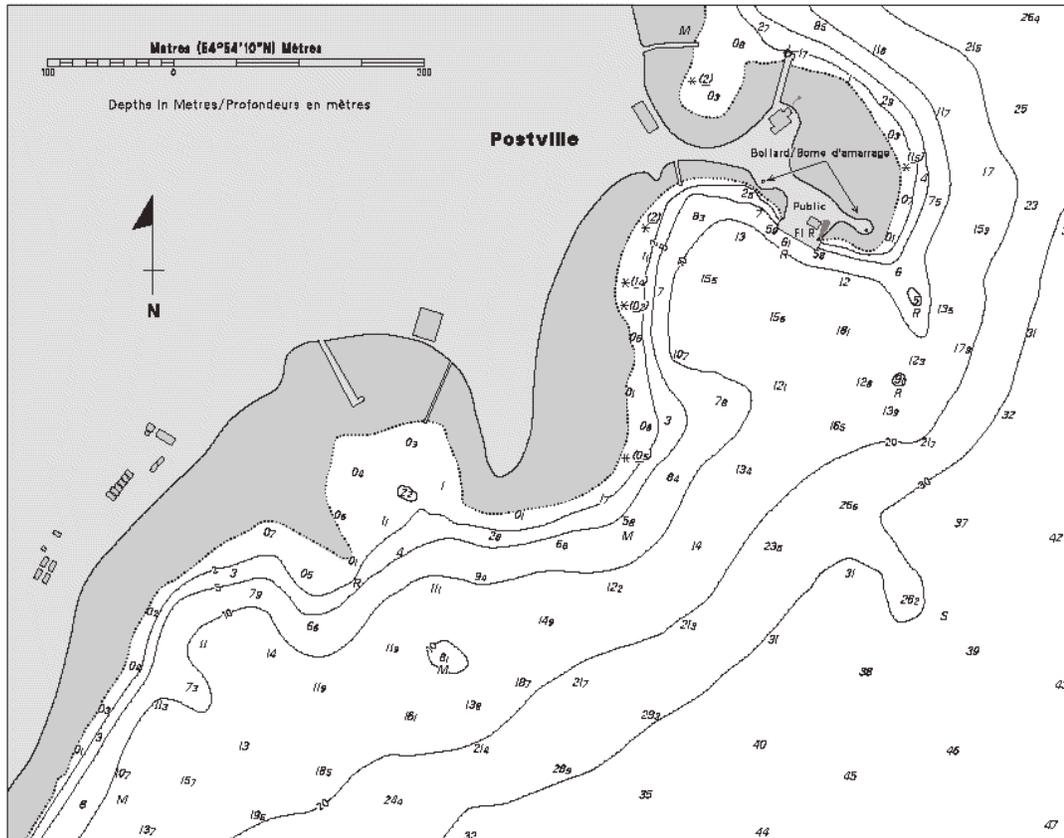
BLACK TICKLE Scale 1:4 000 Échelle



Sources: Surveyed by CHS in 1997.
Sources: Levé par le SHC en 1997.

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

POSTVILLE (Scale 1:4 000 Échelle)



SOURCES: Surveyed by CHS in 1997
SOURCES: Levé par le SHC en 1997

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

NEWFOUNDLAND

8.2	Riverhead wharf	46 57 46.8 53 31 22.8	F	G	3.2	.....	Mast	2.6	Seasonal.		Chart:4843 702/99
235.3	Brehat Shoal light and bell buoy KQG	51 25 20 55 26 10	Fl(2)	W	10 s	.....	.....	Black, red and black, marked "KQG".	Seasonal.		Chart:4020 726/99
237.1	Vincent Shoal South cardinal light buoy KQV	51 35 17.5 55 27 18	Q(6) +LFI	W	15s	.....	.....	Yellow and black, marked "KQV".	Seasonal.		Chart:4512 724/99
237.2	Vincent Shoal North cardinal light buoy KQ	51 35 14.5 55 27 19	Q	W	1s	.....	.....	Black and yellow, marked "KQ".	Seasonal.		Chart:4512 724/99
279.29	Mad Moll Rock light buoy NL4	52 42 50.8 55 48 03.9	Fl	R	4s	.....	.....	Red, marked "NL4".	Seasonal.		Chart:4702 745/99
279.3	Twin Islands	52 40 18 55 44 58.8	Fl	W	4s	30.8	.....	Mast; red daymark. 2.9	Year round.		Chart:4702 745/99
279.31	Pigeon Island	52 43 00 55 51 30	Fl	G	4s	11.5	.....	Skeleton tower, green and white horizontal bands on 3 sides. 3.7	Year round.		Chart:4702 745/99
279.58	Curlew Island North light buoy NM5	52 44 28.2 55 56 08.4	Fl	G	4s	.....	.....	Green spar, marked "NM5".	Seasonal.		Chart:4702 745/99
279.59	Narrows Island South light buoy NM4	52 44 30.6 55 56 00	Fl	R	4s	.....	.....	Red spar, marked "NM4".	Seasonal.		Chart:4702 745/99
279.62	Narrows Island light buoy NM8	52 44 38.4 55 56 13.8	Fl	R	4s	.....	.....	Red spar, marked "NM8".	Seasonal.		Chart:4702 745/99
279.72	Barr Tickle Shoal light buoy NM10	52 46 30.6 55 54 15	Fl	R	4s	.....	.....	Red spar, marked "NM10"	Seasonal.		Chart:4702 745/99
279.809	Gull and Matthews Rock light buoy NLJ	52 51 34 55 47 01.6	Fl	W	4s	.....	.....	Black, red and black, marked "NLJ"	Seasonal.		Chart:4702 745/99
280.01	Squasho North light buoy ND3	53 04 45.6 55 52 15.6	Fl	G	4s	.....	.....	Green spar, marked "ND3".			Chart:4702 745/99
280.011	Deer Pass light buoy ND4	53 04 42 55 52 11.6	Fl	R	4s	.....	.....	Red spar, marked "ND4".			Chart:4702 745/99
280.02	The Featherbed light buoy NK3	53 07 33.4 55 45 46	Fl	G	4s	.....	.....	Green, marked "NK3".	Seasonal.		

V**EDN # 04/99**

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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Chart:4702
745/99

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)

280.04	Pippies light buoy NPP	53 11 36 55 41 36	Fl(2) W 5s	Black, red and black, marked "NPP"	Seasonal. Chart:4702 745/99
284.4	Crab Head light buoy NC1.2	53 44 51.2 56 54 59.6	Fl R 4s	.....	.....	Red spar, marked "NC1.2".	Seasonal. Chart:5138 716/99
284.45	Diver's Island Point light buoy NC8	53 42 35.4 57 06 17	Fl R 4s	.....	.....	Red spar, marked "NC8".	Seasonal. Chart:5138 716/99
284.9	Paradise River outer light buoy NV2	53 26 47.6 57 17 32	Fl R 4s	.....	.....	Red spar, marked "NV2".	Seasonal. Chart:5138 716/99
284.95	Paradise River inner light buoy NV4	53 26 36.6 57 17 24	Fl R 4s	.....	.....	Red spar, marked "NV4".	Seasonal. Chart:5138 716/99
290.3	Hart Head	54 11 39.5 58 24 40.5	Fl W 4s	7.1	.....	Red and white skeleton tower. 3.7	Chart:4724 701/99
442.4	Saltons Brook light buoy JT2	48 34 46.8 53 56 39	Fl R 4s	.....	.....	Red, marked "JT2".	Year round. Chart:4855 727/99
501	Ruby Rock light buoy S4						Delete from List. Chart:4846 763/99

ATLANTIC

169	Port Greville light and bell buoy MN						Delete from List. Chart:4010 757/99
175	Brick Kiln Ledge light and bell buoy M9						Delete from List. Chart:4010 757/99
421	La Have light and whistle buoy T34						Delete from List. Chart:4211 736/99
1172	The Lump light buoy M7	47 06 23.5 64 57 54.3	Fl G 4s	.....	.....	Green, marked "M7".	Seasonal. Chart:4911 764/99
1172.5	The Lump light buoy M8	47 06 36.4 64 58 13.5	Fl R 4s	.....	.....	Red, marked "M8"	Winter spar. Chart:4911 764/99

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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No.	Name	Position		Light Characteristics			Focal Height in m. above water	Nominal Range	Description		Remarks	
		Latitude N.	Longitude W.	Q	R	1s			Height in meters above ground

ATLANTIC – (cont'd)

1173	The Swashway light buoy M10	47 06 44.6 64 58 26.8	Q	R	1s	.....	.....	Red, marked "M10".	Year round. Winter spar.		Chart:4911 764/99
1173.01	Swashway light buoy M10.2	47 06 48.6 64 58 30.9	Q	R	1s	.....	.....	Red, marked "M10.2"	Winter spar.		Chart:4911 764/99
1173.1	Ship Channel light buoy M11	47 06 43.5 64 58 33.1	Q	G	1s	.....	.....	Green, marked "M11".	Year round. Winter spar.		Chart:4911 764/99
1173.3	Ship Channel light buoy M13	47 07 48.1 64 59 19.6	Q	G	1s	.....	.....	Green, marked "M13".	Year round. Winter spar.		Chart:4911 764/99
1173.5	Miramichi Bar light buoy M14	47 07 49.8 64 59 16	Q	R	1s	.....	.....	Red, marked "M14".	Year round. Winter spar.		Chart:4911 764/99
1173.8	Split Shoal light buoy M15	47 08 25.3 65 00 17.9	Fl	G	4s	.....	.....	Green, marked "M15".	Year round. Winter spar.		Chart:4911 764/99
1173.9	Split Shoal light buoy M15.5	47 08 31.7 65 00 28.3	Fl	R	4s	.....	.....	Red, marked "M15.5"	Winter spar.		Chart:4911 764/99
1203.1	Oak Channel light buoy M54.2	47 04 56.7 65 18 01.2	Fl	R	4s	.....	.....	Red, marked "M54.2".	Winter spar.		Chart:4912 748/99
1499.3	Millerand breakwater	47 12 56.4 61 59 03	Iso	R	2s	8.8	5	Square skeleton tower. 3.7	Seasonal.		Chart:4951 719/99
2156	Rivière Saint- François Channel Entrance light buoy SJ2	At river mouth. 46 07 48.1 72 55 58.4	Fl	R	4s	.....	.....	Red, marked "SJ2".	Seasonal.		Chart:1312 734/99
2183.8 H2429	Sorel Dock 2								Delete from List.		Chart:1350 706/99

INLAND WATERS

1097	Michipicoten Island	On NE. extremity of island. 47 45 15 85 35 45	Fl	W	10s	25.6	14	White hexagonal tower. 21.6	Flash 0.5s; eclipse 9.5s Emergency light. Seasonal.		Chart:2309
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No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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712/99

INLAND WATERS (cont'd)

1102	Otter Island	On NW. extremity of island. 48 06 43.5 86 04 00	Fl W 8s	29.6	18	White tower. 6.3	Flash every 8 s Emergency light. Seasonal.	Chart:2308 712/99
1117	Battle Island	On W. end of island. 48 45 06 87 33 24	Fl(3) W 24 s	36.0	13	Tower. 13.1	Flash; eclipse 4 s; flash; eclipse 4 s; flash; eclipse 16 s Emergency light. Radar reflector. Year round.	Chart:2312 712/99
1126	Lamb Island	Centre of island. 48 36 14 88 08 34	Fl W 5s	30.2	15	Tower. 12.2	Flash every 5 s. Emergency light. Year round.	Chart:2312 712/99
1128	Point Porphyry	On SW. extremity of island, entrance to Black Bay. 48 20 24 88 38 54	Fl W 10s	25.0	15	Tower, white slatwork daymark. 14.6	Flash 1 s; eclipse 9 s Fixed white between flashes. Emergency light. Year round.	Chart:2301 712/99
1129	Trowbridge Island	On summit of island. 48 17 34 88 52 25	Fl W 5s	34.7	16	White octagonal tower. 7.0	Flash every 5 s Emergency light. Year round.	Chart:2311 712/99
1133	Welcome Island	On NE. extremity of the eastern island. 48 22 10 89 07 14	Fl W 5s	42.1	16	Square skeleton tower.	Flash every 5 s Emergency light. Year round.	Chart:2314 712/99
1136	Mission Channel Entrance	At outer corner of breakwater. 48 21 00 89 12 04	Fl G 2s	13.4	8	White square tower, red upper portion. 7.6	Flash 0.5 s; eclipse 1.5 s Year round.	Chart:2314 712/99
1144	Kaministiquia River Entrance	On breakwater at N. side of river entrance. 48 23 53 89 12 00	Fl R 10 s	6.7	5	Tower on a building.	Flash 4 s; eclipse 6 s Floodlit. Year round.	Chart:2314 712/99
1150.3	Thunder Bay South Entrance, South	On breakwater, S. side of S. entrance. 48 24 38 89 12 18	Fl G 5s	8.2	8	Mast on building. 3.0	Flash 1 s; eclipse 4 s Floodlit. Year round.	Chart:2314 712/99

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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INLAND WATERS (cont'd)

1156	Thunder Bay North Entrance South	Near N. end of S. breakwater. 48 26 38 89 10 38	Fl G 4s	9.4	13	Mast on a building. 3.6	Floodlit. Year round. Chart:2314 712/99
1264.7	Hawkesbury wharf light buoy HK4	45 37 00.4 74 36 08.9	Fl R 4s	.....	.....	Red, marked "HK4".	Privately maintained by Hawkesbury Township. Year round. Chart:1514 722/99
1268	Light buoy H247	45 37 24.2 74 37 05.7	Fl G 4s	.....	.....	Green, marked "H247".	 Chart:1514 722/99

**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 (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,
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,
Directions"
Ottawa, Ontario, K1A 0E6

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