



Canada

Canada

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EASTERN EDITION OF NOTICES TO MARINERS

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NOTICES

1300 to 1353

CONTENTS

	Page
SEC. I Safety and General Information	1 - 18
SEC. II Chart Corrections	19 - 28
SEC. III Radio Aids to Marine Navigation Corrections	29 - 35
SEC. IV Sailing Directions and Small Craft Guide Corrections.....	37 - 55
SEC. V Light List Corrections	57 - 63

Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

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Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.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

Laurentian

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 fopseudorange 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 DGPS Reference Stations in Canada					
Station Name	Id. Nos of reference stations	DGPS Station ID	Geog. Position Latitude Longitude	Frequency [kHz]	Bit/s
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
Rigolet, NFLD	344,345	946	54 15 N 58 30 W	299	200
Partridge Island, NB	326,327	939	45 14 N 66 03 W	295	200
Pt. Escuminiac, NB	332,333	936	47 04 N 64 48 W	319	200
Fox Island, NS	336,337	934	45 20 N 61 05 W	307	200
Western Head, NS	334,335	935	43 59 N 64 40 W	312	200
St.-Jean-sur-Richelieu, QC	312,313	929	45 19 N 73 19 W	296	200
Lauzon, QC	316,317	927	46 49 N 71 10 W	309	200
Riviere du Loup, QC	318,319	926	47 46 N 69 36 W	300	200
Moisie, QC	320,321	925	50 12 N 66 07 W	313	200
Wiarton, ON	310,311	918	44 45 N 81 07 W	286	200
Cardinal, ON	308,309	919	44 47 N 75 25 W	306	200
Alert Bay, BC	300,301	909	50 35 N 126 55 W	309	200
Amphritrite Pt., BC	302,303	908	48 55 N 125 33 W	315	200
Richmond, BC	304,305	907	49 11 N 123 07 W	320	200
Sandspit, BC	306,307	906	53 14 N 131 49 W	300	200

DGPS RECEIVER - WARNING

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

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

DGPS USER ALERT

The Canadian Coast Guard received reports in March 97 of DGPS receivers apparently ignoring the broadcast alarm which should signal the immediate discontinuation of a particular satellite correction. Reports indicate that some user equipment does not properly recognize this "do-not-use" correction flag and as a result erroneously processes it as a correction. This can result in position errors as large as 15 kilometers while the receiver is in DGPS mode. DGPS users are advised that they should contact the manufacturer of their equipment immediately to determine if they require a receiver upgrade.

DISCREPANCY REPORT FOR DGPS USERS

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

GPS "ROLLOVER" AUGUST 1999

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

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

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

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

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

User informations / Renseignements sur l'utilisateur

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

Anomaly report / Rapport d'anomalie

Date and time of the anomaly / Date et heure de l'anomalie: _____ Duration / Durée: _____
Number of satellites tracked on GPS receiver / Nombre de satellites reçu par le récepteur: _____
DGPS site using / Station DGPS utilisée: Freq.: _____ kHz SS: _____ dB SNR: _____
DOP Geometry / Géométrie DOP : _____
User receiver operates correctly with other DGPS sites? /
Votre équipement DGPS fonctionne-t-il normalement à l'utilisation d'autres stations DGPS?: Yes/ Oui _____ No / Non _____
Comments / Commentaires: _____

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

Weather conditions / Conditions météo

Winds / Vents : Direction: _____ Speed / Vitesse: _____ KTS
Temp. °C: _____ VIS: _____ N.M.
Sea State / État de la mer : _____
Bearing and range to electrical storm /
Direction et distance de l'orage : _____
Time of the storm / Heure de l'orage: _____

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

User equipment informations / Renseignements sur l'équipement

GPS receiver / Récepteur GPS : Make / Fabricant: _____ Model: _____
DGPS beacon receiver / Démodulateur DGPS : Make / Fabricant : Model: _____
Gyro interface with GPS / Gyro intégré avec le GPS? Yes / Oui : _____ No / Non : _____
DGPS interfaced with an ECDIS / DGPS intégré dans un SVCEI? Yes / Oui: _____ No / Non : _____

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

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

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

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

Canada



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

Chief, Information and Publications,
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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NATIONAL

CANADA - Great Lakes and St. Lawrence River Water Levels Advisory.....	1351	5
- Safety of offshore exploration and exploitation vessels.....	1346(T)	4,5
CANADIAN COAST GUARD PUBLICATIONS - 1999 Summary of Temporary and Preliminary Notices.....	1349	5
- Amendment to the Radio Aids to Marine Navigation (Atlantic and Great Lakes) publication 1999.....	1353	29-35
- List of charts affected by (T) and (P) Notices in effect June 25, 1999.....	1348	15-18
- Summary of (T) and (P) Notices in effect June 25, 1999.....	1347	6-15
CANADIAN HYDROGRAPHIC SERVICE - Charts.....	1300	1-4

NEWFOUNDLAND

LABRADOR COAST - BAY OF EXPLOITS - Chartuse advisory.....	1352	20
- HAMILTON INLET - THE NARROWS - Wreck.....	1335	21
- LABRADOR SEA - THE HORSES - Light.....	1310	22
- OFF CAPE MAKKOVIK - Lights.....	1320	21
- ST. LEWIS SOUND - Buoys.....	1341(P)	20
- Buoy.....	1342	20
NEWFOUNDLAND - BONAVIDA BAY - VALLEYFIELD HARBOUR - Wharf extension and light.	1334	19
- LABRADOR - Lights.....	1319	21,22
NEWFOUNDLAND, EAST COAST - CONCEPTION BAY - HOLYROOD BAY - Range lights temporarily discontinued.....	1317(T)	19
NEWFOUNDLAND, NORTHEAST COAST - NOTRE DAME BAY - Light and buoys.....	1339	19
NEWFOUNDLAND, SOUTH COAST - GRAND BRUIT HARBOUR - EASTERN ROCK - Light discontinued temporarily.....	1344(T)	21
- ST. PIERRE BANK - Wreck.....	1338	20

MARITIMES

BAY OF FUNDY - SAINT JOHN RIVER - CLOWES SHOAL - Buoys.....	1345	25
- ST. JOHN - Light.....	1306	24
NEW BRUNSWICK - SAINT JOHN RIVER - HAMPSTEAD - SPOON ISLAND NORTH - Buoy.....	1311	24
NOVA SCOTIA - CHEDABUCTO BAY - ENTRANCE TO GUYSBOROUGH HARBOUR - Buoy	1304	23
NOVA SCOTIA, SOUTHEAST COAST - ECUM SECUM - Chart amendment.....	1301	23
NOVA SCOTIA, SOUTHWEST COAST - ST. MARYS BAY - LONG ISLAND - DARTMOUTH POINT - Radar reflector temporarily discontinued.....	1302(T)	24

GULF AND RIVER ST. LAWRENCE

CHALEUR BAY - DALHOUSIE - INCH ARRAN POINT - Chart amendments and lights.....	1322	24,2 5
- LOWER AND MIDDLE CARAQUET - Lights temporarily discontinued.....	1316(T)	23
GULF OF ST. LAWRENCE, SOUTH COAST -BAIE DE SHIPPEGAN - Buoy.....	1308	23
ST. LAWRENCE RIVER - BAIE DE SEPT-ÎLES - Marine farm and wreck.....	1323	25
- CANAL DE BEAUHARNOIS - Depth.....	1337	26
- LAKE ST. FRANÇOIS - BAIE DES BRISES -Breakwall.....	1324	26
- LES MÉCHINS - Shoal depth.....	1309(P)	25
- MONTREAL HARBOUR - TÉTREAULTVILLE -Outfall.....	1315	25

CENTRAL

GEORGIAN BAY - MIDLAND BAY - TIFFIN BASIN - Buoys.....	1331	27
LAKE ONTARIO - TORONTO HARBOUR - Buoy.....	1332	27
- WELLAND CANAL - ST. CATHARINES - Buoys.....	1333	26,2 7
ONTARIO - SAULT STE. MARIE - Lock.....	1325	4

ARCTIC

NORTHWEST TERRITORIES - BAFFIN BAY - Depths.....	1336	26
- MACKENZIE RIVER - EAST CHANNEL - Buoys.....	1327	28
- INUVIK TO KILOMETRE 1645 - Buoy.....	1328	28
- SANS SAULT RAPIDS - Buoy and beacon ranges.....	1326	27,2 8
- QUEEN ELIZABETH ISLANDS - HASSEL SOUND - TEMPERANCE BAY - Shoal.....	1330	27

NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Notice # Page	Page	| Chart No.	Notice #	Page	| Chart No.	Notice #	
CAT-4	1300	1-4	LC 4335	1304	23	6410	1300	1-4
1220	1323	25	4426	1322	24,25	6411	1300	1-4
LC 1221	1300	1-4	LC 4486	1322	24,25	6412	1300	1-4
1230	1309(P)	25	4530	1339	19	6413	1300	1-4
1310	1315	25	4531	1339	19	6414	1300	1-4
1411	1337	26	4535	1334	19	6415	1300	1-4
1412	1324	26	4536	1300	1-4	6416	1300	1-4
1414	1300	1-4	4598	1352	20	6417	1300	1-4
1433	1300	1-4	4634	1344(T)	21	6418	1300	1-4
2042	1333	26,27	4724	1335	21	6419	1300	1-4
LC 2077	1300	1-4	4730	1319	21,22	6420	1300	1-4
2085	1332	27	LC 4847	1317(T)	19	6421	1300	1-4
2202	1300	1-4	4848	1317(T)	19	6422	1300	1-4
2222	1331	27	4858	1334	19	6423	1300	1-4
2260	1300	1-4	4863	1300	1-4	6424	1300	1-4
2311	1300	1-4	LC 4913	1308	23	6425	1300	1-4
2314	1300	1-4		1316(T)	23	6426	1300	1-4
LC 4015	1338	20	4920	1308	23	6427	1300	1-4
	1344(T)	21		1316(T)	23	6428	1300	1-4
LC 4045	1338	20	LC 5023	1320	21	6429	1328	28
4117	1306	24	LC 5030	1342	20	6430	1327	28
LC 4118	1302(T)	24	5031	1341(P)	20	6431	1300	1-4
4142	1311	24	5045	1319	21,22	6451	1326	27,28
4145	1345	25	5046	1319	21,22	6452	1300	1-4
LC 4235	1301	23	5048	1310	22	6453	1300	1-4
			5051	1310	22			

NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Notice # Page	Page	| Chart No.	Notice #	Page	| Chart No.	Notice #
7071	1336	26					
7302	1336	26					
7950	1330	27					
7951	1330	27					
LC 8047	1319	21,22					

***1300 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
<u>1. New Charts.</u>					
	<u>ST. LAWRENCE RIVER/FLEUVE SAINT-LAURENT</u>				
1433	ÎLE SAINT-REGIS TO CROIL ISLANDS	1:25 000	May. 28/99	3	\$20.00
	and inset: (1) A-B	1:25 000			
	Limit(s): 45°03'06" N 74°35'12" W				
	44 56 54 N 74 35 12 W				
	44 56 54 N 74 49 24 W				
	45 03 06 N 74 49 24 W				
	and inset: (2) Cornwall	1:10 000			
	Limit(s): 45°01'05" N 74°41'52" W				
	45 00 24 N 74 41 52 W				
	45 00 24 N 74 43 15 W				
	45 01 05 N 74 43 15 W				
	and inset: (3) B-C	1:25 000			
	Limit(s): 45°02'12" N 74°46'24" W				
	44 54 06 N 74 46 24 W				
	44 54 06 N 75 00 36 W				
	45 02 12 N 75 00 36 W				
	NOTE: This chart is based on North American Datum 1983 (NAD 83).				
	<u>NEWFOUNDLAND/TERRE-NEUVE</u>				
4863	BACALHAO ISLAND TO/À BLACK ISLAND	1:40 000	Jan. 22/99	1	20.00
	Limit(s): 49°44'45" N 54°33'37" W				
	49 21 00 N 54 33 37 W				
	49 21 00 N 54 58 30 W				
	49 44 45 N 54 58 30 W				
	NOTE: This chart is based on North American Datum 1983 (NAD 83).				
<u>2. New Editions.</u>					
	<u>ST. LAWRENCE RIVER/FLEUVE SAINT-LAURENT</u>				
LC 1221	POINTE DE MOISIE À/TO ÎLE DU GRAND CAQUIS	1:75 000	April 23/99	1	20.00
	NOTE: (1) This chart incorporates and cancels Notices 2321(P)/98 and 570(P)/99.				
	(2) This chart is based on North American Datum 1983 (NAD 83).				
	<u>LAKE ONTARIO/LAC ONTARIO</u>				
LC 2077	LAKE ONTARIO/LAC ONTARIO – WESTERN	1:100 000	April 23/99	3	\$20.00

PORTION/PARTIE OUEST

NOTE: This chart is affected by Notices 683(P)/95, 739(P)/95 and 506(T)/98.

GEORGIAN BAY/BAIE GEORGIENNE

2202	GEORGIAN BAY/BAIE GEORGIENNE – PORT SEVERN TO/À PARRY SOUND	1:50 000	March 26/99	3	33.00
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NOTE: This chart is affected by Notice 367(T)/88 and incorporates and cancels Notices 811(P)/91, 123(P)/92, 172(P)/93, 54(P)/94 and 332(P)/97.

LAKE HURON/LAC HURON

2260	LAKE HURON/LAC HURON – SARNIA TO/À BAYFIELD	1:80 000	Feb. 05/99	3	12.00
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NOTE: This chart is affected by Notices 176(P)/94, 739/99, 752/99 and 1109/99.

LAKE SUPERIOR/LAC SUPÉRIEUR

2311	THUNDER CAPE TO PIGEON RIVER	1:72 880	April 23/99	3	20.00
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NOTE: This chart is based on North American Datum 1983 (NAD 83).

2314	PORT OF THUNDER BAY	1:20 000	April 23/99	3	20.00
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NOTE: This chart is based on North American Datum 1983 (NAD 83).

NORTHWEST TERRITORIES/TERRITOIRES DU NORD-OUEST

6410	MACKENZIE RIVER – KILOMETRE 330 TO KILOMETRE 390 – FORT SIMPSON TO TRAIL RIVER	1:50 000	April 30/99	4	12.00
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6411	MACKENZIE RIVER – KILOMETRE 390 TO KILOMETRE 460 – TRAIL RIVER TO CAMSELL BEND	1:50 000	April 30/99	4	12.00
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6412	MACKENZIE RIVER – KILOMETRE 460 TO KILOMETRE 510 – CAMSELL BEND TO MCGERN ISLAND	1:50 000	April 30/99	4	12.00
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6413	MACKENZIE RIVER – KILOMETRE 510 TO KILOMETRE 580 – MCGERN ISLAND TO WRIGLEY RIVER	1:50 000	April 30/99	4	12.00
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NORTHWEST TERRITORIES/TERRITOIRES DU NORD-OUEST (cont'd).

6414	MACKENZIE RIVER – KILOMETRE 580 TO	1:50 000	April 30/99	4	\$12.00
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KILOMETRE 650 – WRIGLEY RIVER TO THREE FINGER CREEK					
6415	MACKENZIE RIVER – KILOMETRE 650 TO KILOMETRE 730 – THREE FINGER CREEK TO SALINE ISLAND	1:50 000	April 30/99	4	12.00
6416	MACKENZIE RIVER – KILOMETRE 730 TO KILOMETRE 810 – SALINE ISLAND TO POLICE ISLAND	1:50 000	April 30/99	4	12.00
6417	MACKENZIE RIVER – KILOMETRE 810 TO KILOMETRE 860 – FORT NORMAN, POLICE ISLAND TO HALFWAY ISLANDS	1:50 000	April 30/99	4	12.00
6418	MACKENZIE RIVER – KILOMETRE 850 TO KILOMETRE 920 – NORMAN WELLS, HALFWAY ISLANDS TO RADAR ISLAND	1:50 000	April 30/99	4	12.00
6419	MACKENZIE RIVER – KILOMETRE 910 TO KILOMETRE 980 – NORMAN WELLS TO CARCAJOU RIDGE	1:50 000	April 30/99	4	12.00
6420	MACKENZIE RIVER – KILOMETRE 980 TO KILOMETRE 1040 – CARCAJOU RIDGE TO HARDIE ISLAND	1:50 000	April 30/99	4	12.00
6421	MACKENZIE RIVER – KILOMETRE 1040 TO KILOMETRE 1100 – HARDIE ISLAND TO FORT GOOD HOPE	1:50 000	April 30/99	4	12.00
6422	MACKENZIE RIVER – KILOMETRE 1100 TO KILOMETRE 1180 – FORT GOOD HOPE TO ASKEW ISLANDS	1:50 000	April 30/99	4	12.00
6423	MACKENZIE RIVER – KILOMETRE 1180 TO KILOMETRE 1240 – ASKEW ISLANDS TO BRYAN ISLAND	1:50 000	April 30/99	4	12.00
6424	MACKENZIE RIVER – KILOMETRE 1240 TO KILOMETRE 1325 – BRYAN ISLAND TO TRAVAILLANT RIVER	1:50 000	April 30/99	4	12.00
6425	MACKENZIE RIVER – KILOMETRE 1325 TO KILOMETRE 1400 – TRAVAILLANT RIVER TO ADAM CABIN CREEK	1:50 000	April 30/99	4	12.00
6426	MACKENZIE RIVER – KILOMETRE 1400 TO KILOMETRE 1480 – ADAM CABIN CREEK TO POINT SEPARATION	1:50 000	April 30/99	4	12.00
6427	MACKENZIE RIVER – KILOMETRE 1480 TO KILOMETRE 1540 – POINT SEPARATION TO AKLAVIK CHANNEL	1:50 000	April 30/99	4	12.00
6428	MACKENZIE RIVER – KILOMETRE 1530 TO KILOMETRE 1590 – AKLAVIK CHANNEL TO NAPOIAK CHANNEL INCLUDING AKLAVIK	1:50 000	April 30/99	4	12.00

CHANNEL TO AKLAVIK – KILOMETRE 1530 TO
KILOMETRE 1597

NORTHWEST TERRITORIES/TERRITOIRES DU
NORD-OUEST (cont'd)

6431	MACKENZIE RIVER – KILOMETRE 1710 TO KILOMETRE 1766 – EAST CHANNEL, LOUSY POINT TO TUKTOYAKTUK	1:50 000	April 30/99	4	\$12.00
6452	MACKENZIE RIVER/FLEUVE MACKENZIE – KILOMETRE/KILOMETRE 0-58	1:50 000	April 30/99	4	12.00
6453	MACKENZIE RIVER/FLEUVE MACKENZIE – KILOMETRE/KILOMETRE 58-90	1:50 000	April 30/99	4	12.00

CANADA

CAT-4	ARCTIC/ARCTIQUE	-----	Jan. 01/99	4	N/A
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3. Permanently withdrawn.

CHART	TITLE	ON PUBLICATION OF CHART
1414	LAKE ST. LAWRENCE – EASTERN PORTION/PARTIE EST	1433
4536	VALLEYFIELD HARBOUR AND APPROACHES	4858

(AMA8035-10-35)

(DFO-H99-088)

***1325 ONTARIO - SAULT STE. MARIE - Lock.**

The Sault Ste. Marie Lock will be opened between May 15 and October 15 for recreational boating.

(AMA8035-10-35)

(DFO-C99-079)

***1346(T) CANADA - Safety of offshore exploration and exploitation vessels.**

Reference: Notice 756(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-H99-003)

***1349 CANADIAN COAST GUARD PUBLICATIONS - 1 999 Summary of Temporary and Preliminary Notices.**

The yearly Summary of Temporary and Preliminary Notices publication is available on demand at the following address:

Canadian Coast Guard
Marine Navigation Services
200 Kent St., Stn. 5N130
Ottawa, Ontario
K1A 0E6

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

This publication is available on Internet: <http://www.notmar.com>

(AMA8035-10-1)

(CCG-H99-058)

***1351 CANADA - Great Lakes and St. Lawrence River Water Levels Advisory.**

Water levels on the Great Lakes and on the St. Lawrence River at and above Montréal have dropped to levels below average and in some cases significantly below levels normally available at this time of year. Comparisons with last year levels for this time of year are as follows.

Water Levels on the third week of June
As compared to the long term average (in cm)

	1998	1999
Lake Superior	-07	-16
Lakes Michigan/Huron	+31	-22
Lake Erie	+46	-03
Lake Ontario	+13	-27

Mariners should exercise caution especially in those areas that may experience shoaling. Mariners should therefore ensure that attention is given to aids to navigation marking the channels.

(AMA8035-10-1)

(CCG-H99-060)

***1347 SUMMARY OF TEMPORARY AND PRELIMINARY NOTICES IN EFFECT JUNE 25, 1999.**

(Revised and promulgated quarterly)
Reference: Notice 754/99 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
		(1) MISCELLANEOUS
342(P)/97	- - - -	Canada - Loran-C lattices on nautical charts.
756(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 - AlexandraFiord - 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 - LakeAthabasca - Range lights to be discontinued.
751(P)/96	6311	Northwest Territories - LakeAthabasca - Range lights to be discontinued.
328(P)/98	- - - -	Northwest Territories - FortChipewyan to FortMcMurray - 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 - OfBrûlé 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 CapeHarrigan - 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	5001(INT 405)	Labrador Coast - Labrador Sea - Current meter established temporarily.
680(P)/95	5049	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.
1138(P)/99	5046	Labrador Coast - Turnavik Islands to White Bear Island - Overlay.
		(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.
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 - Portaux 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 - Portaux 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.
507(T)/95	4124, 4331	Bay of Fundy - Back Bay - Cailiff Rocks - Light buoy relocated temporarily.
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.
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 - Sparbuoy 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 toHantsport - Results of survey.
115(T)/97	- - - -	Northumberland Strait - Navigation Route.
239(P)/97	4635	Newfoundland, Southwest Coast - Rose Blanche - Spabuoy.
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 - Bayd'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.
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 - Anemometertower.
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.
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.
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.
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.
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.
1137(P)/98	1339, 1338	St. Lawrence River -Île Bouchard - 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 – Logboom.
2134(P)/98	1339	St. Lawrence River –Île Bouchard – Shoal depths.
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.
703(P)/99	1338	St. Lawrence River - Sorel - Light discontinued.
762(T)/99	4459	Gulf of St. Lawrence - Prince Edward Island - Summerside Harbour - Depths.
920(P)/99	1220	St. Lawrence River - Sept-Îles - Shoal depths.
923(P)/99	4956	Québec - Île de la Madeleine - Cap-aux-Meules - Shoal depths.
1101(P)/99	1361	Québec - Lake Memphremagog - Sunken Island - Shoal depth.
1108(P)/99	4921	Gulf of St. Lawrence - Chaleur Bay - Chandler - Light, day beacon, breakwater and pontoon.
1119(T)/99	LC 1234	St. Lawrence River - Rivière-du-Loup - Shoal depth.
1120(P)/99	1233	St. Lawrence River - Saint-Jean-Port-Joli - Shoal depths and breakwater.
1122(P)/99	4430	Gulf of St. Lawrence - Île d'Anticosti - Port Menier - Shoal depths.
1141(P)/99	1350, 1312	St. Lawrence River - Port de Sorel - Shoal depths.
		(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.
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.
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.
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 fishhaven.
176(P)/94	L/C 2228, L/C 2200, 2260, 2261	Lake Huron - Bayfield - Fog signal to be discontinued.
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,	Lake Huron - South Baymouth - Fog signal to be discontinued.

	L/C 2200	
182(P)/94	2235, 2282, L/C 2201	Lake Huron - Georgian Bay - Cabot Head - Fog signal to be discontinued.
648(T)/94	- - -	Inland Waters - System reviews.
99(P)/95	- - - -	Lake Superior - Systems review of light stations.
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 - Tolsonville - 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 - Lacs 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.
(AMA8035-10-1)		(CCG-H99-056)

***1348 LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES IN EFFECT JUNE 25, 1999.**

(Revised and promulgated quarterly)

(Reference: Notice 755/99 cancelled)

CHARTS (T) and (P) NOTICES

1203	133(T)/93
1220	920(P)/99
L/C 1221	2321(P)/98, 570(P)/99
1233	703(P)/98, 320(P)/99, 575(P)/99, 1120(P)/99
LC 1234	1119(T)/99
L/C 1235	129(P)/97
L/C 1236	510(T)/99
1310	2308(P)/98
1312	1140(P)/98, 1141(P)/99
1313	65(T)/95
1314	170(T)/92
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, 703(P)/99
1339	68(P)/91, 75(T)/92, 1137(P)/98, 1151(P)/98, 2111(P)/98, 2134(P)/98, 502(P)/99
1350	1141(P)/99
1351	196(T)/87, 636(P)/93, 433(T)/96, 510(P)/98
1361	1101(P)/99
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	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	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	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	368(P)/97, 369(T)/97
2257	380(P)/91
2259	53(P)/94
2260	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
L/C 4001(INT 404)	707(T)/93, 163(T)/94, 678(T)/94, 529(P)/95
LC 4003	172(T)/99
LC 4012	301(T)/99
LC 4013	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
L/C 4047	105(T)/94, 108(T)/94
L/C 4049	105(T)/94, 359(T)/94
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
4332	181(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
4430	1122(P)/99
4437	526(P)/95
4448	649(P)/93
4456	769(P)/90, 433(T)/92
4459	762(T)/99
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
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, 1108(P)/99
4954	195(T)/93, 115(P)/98, 116(P)/98
4956	923(P)/99
5001(INT 405)	761(T)/94, 153(T)/99
5031	591(T)/93, 703(T)/94
5046	1138(P)/99
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
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

(AMA8035-10-1)

(CCG-H99-057)

***1317(T) NEWFOUNDLAND, EAST COAST - CONCEPTION BAY - HOLYROOD BAY - Range lights temporarily discontinued.**

Charts (Temporarily affected) - 4848(Plan,Holyrood)(NAD 83)(1) - 4848(Inset,Holyrood Marina)(NAD 83)(1) - LC 4847(NAD 83)(1)

1. Range lights 47°23'19".6 N 53°07'39".8 W
(approx.)

NOTE: Digital data products 4847R/M, 4848R/M and 76120(4847) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N99-011)(DFO-A99-053)

***1334 NEWFOUNDLAND - BONAVISTA BAY - VALLEYFIELD HARBOUR - Wharf extension and light.**

Charts (Last correction) - 4858(NAD 83)(1-3)(New Chart Dec./98) - 4858(Inset/valleyfield)(NAD 83)(2,3)(New Chart Dec./98) - 4535(3,4)(331/96)

1. Add wharf joining and 49°07'16".2 N 53°36'29".7 W
49 07 15.8 N 53 36 28.4 W

2. Reposition light F R from to 49 07 16.2 N 53 36 29.7 W
49 07 15.8 N 53 36 28.4 W

3. Add wharf joining and 49 07 16.4 N 53 36 33.2 W
49 07 16 N 53 36 31.9 W

4. Reposition light F R from to 49 07 16.4 N 53 36 33.2 W
49 07 16 N 53 36 31.9 W

NOTE: Digital data products 4535R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-055)

***1339 NEWFOUNDLAND, NORTHEAST COAST - NOTRE DAME BAY - Light and buoys.**

Charts (Last correction) - 4530(NAD 27)(1-3)(948/99) - 4531(NAD 27)(4)(507/98)

1. Add light FI R 49°28'29" N 54°03'21" W

2. Add green spar buoy, marked JA1 49 28 33.9 N 54 02 59.5 W

3. Add red spar buoy, marked JA2 49 28 29.8 N 54 03 12.4 W

4. Add green lighted spar buoy, FI G marked DX9 49 34 13.3 N 54 19 20 W

NOTE: Digital data products 4530R/M, 4531R/M, 76174(4531) and 76279(4530) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7; 5-2)

(CCG-N98-036,066,067,359)

***1352 LABRADOR COAST - BAY OF EXPLOITS - Chart use advisory.**

Chart (Last correction) - 4598(1-3)(710/99)

- | | | | |
|--------|---|----------------|--|
| 1. Add | line | joining
and | 49°20'22" N 54°58'00" W
49 37 10 N 54 58 00 W |
| 2. Add | note
USE CHART 4863
EAST OF THIS LINE | | 49 30 54 N 54 58 16 W (approx.) |
| 3. Add | note
USE CHART 4863
EAST OF THIS LINE | | 49 22 42 N 54 58 16 W (approx.) |

NOTE: Digital data products 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-A99-063)

***1342 LABRADOR COAST - ST. LEWIS SOUND - Buoy.**

Chart (Last correction) - LC 5030(NAD 83)(1)(517/99)

- | | | |
|--------|------------------------------|-----------------------------|
| 1. Add | red conical buoy, marked NR8 | 52°13'13".2 N 55°36'17".4 W |
|--------|------------------------------|-----------------------------|

(AMA8035-10-5-2)

(CCG-N97-082, DFO-A99-047)

***1341(P) LABRADOR COAST - ST. LEWIS SOUND - Buoys.**

Chart (Which will be affected) - 5031(NAD 83)(1-3) - 5031(Inset, Caribou Run)(NAD 83)(4)

- | | | |
|--------|---|-----------------------------|
| 1. Add | red conical buoy, marked NR8 | 52°13'13".2 N 55°36'17".4 W |
| 2. Add | green light buoy FI G, marked NS3 | 52 19 47.4 N 55 46 48.6 W |
| 3. Add | green light buoy FI G, marked NS9 | 52 17 40.2 N 55 45 40.8 W |
| 4. Add | green lighted spar buoy FI G,
marked NU1 | 52 14 51 N 55 39 02 W |

NOTE: A new edition of chart 5031 incorporating these changes is pending.

(AMA8035-10-5-2)

(CCG-N97-082,087,091,N98-113,N99-043, DFO-A99-056)

***1338 NEWFOUNDLAND, SOUTH COAST - ST. PIERRE BANK - Wreck.**

Charts (Last correction) - LC 4015(NAD 27)(1)(328/99) - LC 4045(NAD 27)(1)(1137/99)

- | | | |
|--------|---|-------------------------|
| 1. Add | non-dangerous wreck with depth
unknown | 46°27'42" N 57°28'12" W |
|--------|---|-------------------------|

NOTE: Digital data products 4015R/M, 4045R/M, 76090(4045) and 76284(4015) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-011)

***1344(T) NEWFOUNDLAND, SOUTH COAST - GRAND BRUIT HARBOUR - EASTERN ROCK - Light discontinued temporarily.**

Charts (Temporarily affected) - 4634(and Inset, Grand Bruit Harbor)(1) - LC 4015(NAD 27)(2)

1. Light 47°39'58" N 58°13'39" W

2. Light 47 40 12 N 58 13 31 W

NOTE: Digital data products 4015R/M, 4634R/M and 76284(4015) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N99-013, DFO-A99-058)

***1335 LABRADOR COAST - HAMILTON INLET - THE NARROWS - Wreck.**

Chart (Last correction) - 4724(1)(701/99)

1. Add non-dangerous wreck with depth 54°10'30" N 58°25'15" W
unknown

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.

(AWA8035-10-35)

(DFO-A99-010)

***1320 LABRADOR COAST - OFF CAPE MAKKOVIK - Lights.**

Chart (Last correction) - LC 5023(NAD 83)(1-6)(901/99)

1. Add light Q R 33m 55°03'33".3 N 58°44'26".4 W

2. Add light FI R 4s 21m 55 07 48.3 N 58 53 35.4 W

3. Add light Mo(A) 19m 55 09 46.5 N 59 05 08.4 W

4. Add light LFI 18m 55 13 42.3 N 59 07 35.4 W

5. Add light FI G 4s 25m 55 25 35.1 N 59 20 11.4 W

6. Add light FI 4s 22m 55 19 05.7 N 59 38 28.2 W

(AMA8035-10-35)

(DFO-A99-051)

***1319 NEWFOUNDLAND - LABRADOR - Lights.**

Charts (Last correction) - 5045(1,3-5,7,8,11,13)(2331/98) - 5046(2,6,7,9,10,12,14,15)(322/99) –
LC 8047(16-20)(1127/99) - 4730(21-25)(1127/99)

1. Add	light FI R 4s 30m	54°55'39" N 58°50'37".2 W
2. Add	light FI G 4s 35m	55 00 04.8 N 59 34 19.2 W
3. Add	light Q R 33m	55 03 33 N 58 44 30 W
4. Add	light FI R 4s 21m	55°07'48" N 58°53'39" W
5. Add	light Mo(A) 19m	55 09 46.2 N 59 05 12 W
6. Add	light Mo(A) 29m	55 11 03 N 59 23 06 W
7. Add	light Q R	55 13 24 N 59 14 48 W
8. Add	light LFI 18m	55 13 42 N 59 07 39 W
9. Add	light FI R 4s 24m	55 09 31.8 N 59 25 01.2 W
10. Add	light FI G 4s 25m	55 15 34.8 N 59 20 15 W
11. Add	light FI R 4s 21m	55 08 58.2 N 59 08 37.2 W
12. Add	light FI G 4s 20m	55 08 36.6 N 59 22 16.8 W
13. Add	light FI 4s 21m	55 04 19.2 N 58 54 39.6 W
14. Add	light FI R 3s 25m	55 13 22.8 N 59 30 11.4 W
15. Add	light FI 4s 22m	55 19 05.4 N 59 38 31.8 W
16. Add	light Q R 33m	55 03 25 N 58 45 50 W
17. Add	light FI R 4s 21m	55 07 55 N 58 53 40 W
18. Add	light LFI 18m	55 13 41 N 59 07 40 W
19. Add	light FI 4s 25m	55 15 30 N 59 20 25 W
20. Add	light FI 4s 22m	55 19 20 N 59 38 51 W
21. Add	light Q R 108 ft	55 03 26 N 58 45 45 W
22. Add	light FI R 4s 69 ft	55 07 20 N 58 53 40 W
23. Add	light LFI 59 ft	55 13 25 N 59 07 50 W
24. Add	light FI G 4s 82 ft	55 15 36 N 59 20 00 W
25. Add	light FI 4s 72 ft	55 19 25 N 59 38 50 W

(AMA8035-10-7-2)

(CCG-N98-016,018-024,263-266,270-272, DFO-A98-070)

***1310 LABRADOR COAST - LABRADOR SEA - THE HORSES - Light.**

Charts (Last correction) - 5048(NAD 83)(1)(500/99) - 5051(NAD 83)(1)(1708/98)

1. Add light Fl 56°03'39" N 60°44'18" W

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

(AMA8035-10-7-2)

(CCG-N98-284)(DFO-A99-021)

***1304 NOVA SCOTIA - CHEDABUCTO BAY - ENTRANCE TO GUYSBOROUGH HARBOUR - Buoy.**

Chart (Last correction) - LC 4335(NAD 83)(1)(New Ed., Aug./98)

1. Add red light buoy Fl R, marked CQ2 45°22'33".2 N 61°29'13".3 W

(AMA8035-10-5-6)

(CCG-M96-094)(DFO-A99-031)

***1301 NOVA SCOTIA, SOUTHEAST COAST - ECUM SECUM - Chart amendment.**

Chart (Last correction) - LC 4235(NAD 83)(1)(702/99)

Reference: Notice 702/97.

On certain copies.

1. Reposition 7 metres 9 decimetres from 44°57'26".3 N 62°00'00".8 W
to 44 57 26.3 N 62 01 00.8 W

NOTE: Digital data products 4235R/M and 76102(4235) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-089)

***1308 GULF OF ST. LAWRENCE, SOUTH COAST - BAIE DE SHIPPEGAN - Buoy.**

Charts (Last correction) - 4920(Plan, Shippegan Harbour)(NAD 83)(1)(540/99) - LC 4913
(NAD 83)(1)(1920/98)

1. Reposition green light buoy EG25 from 47°45'08".2 N 64°42'09".6 W
to 47 45 02 N 64 42 15.7 W

NOTE: Digital data products 4913R/M, 4920R/M, 76269(4920) and 76275(4913) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G98-107)(DFO-A99-030)

***1316(T) CHALEUR BAY - LOWER AND MIDDLE CARAQUET - Lights temporarily discontinued.**

Charts (Temporarily affected) - LC 4913(NAD 83)(1,2) - 4920(Plan, Middle Caraquet)(NAD 83)(2) -
4920(Plan, Bas-Caraquet)(NAD 83)(1)

1. Light 47°48'39".4 N 64°51'22".3 W

2. Light 47 48 14.7 N 64 52 23.8 W

NOTE: Digital data products 4913R/M, 4920R/M, 76265(4920), 76266(4920) and 76275(4913) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-6)

(CCG-G99-024,025)(DFO-A99-052)

***1306 BAY OF FUNDY - ST. JOHN - Light.**

Chart (Last correction) - 4117(NAD 83)(1)(2310/98)

Reference: Notice 769(P)/98.

1. Delete light and Fog Sig 45°15'30".4 N 66°03'37".6 W

NOTE: Digital data products 4117R/M and 76005(4117) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-7)

(CCG-F99-003)(DFO-A99-033)

***1311 NEW BRUNSWICK - SAINT JOHN RIVER - HAMPSTEAD - SPOON ISLAND NORTH - Buoy.**

Chart - 4142(Sheet 1, Evandale to à Ram Island)(NAD 83)(1,2)

1. Delete bifurcation spar buoy JTA 45°37'25" N 66°04'32" W

2. Add bifurcation spar buoy, RGR marked JTA 45 37 25 N 66 04 30 W

NOTE: Digital data products 4142R/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-F99-008)(DFO-A99-039)

***1302(T) NOVA SCOTIA, SOUTHWEST COAST - ST. MARYS BAY - LONG ISLAND - DARTMOUTH POINT - Radar reflector temporarily discontinued.**

Chart (Temporarily affected) - LC 4118(Inset, Grand Passage)(NAD 83)(1)(New Ed., Nov./98) – LC 4118(NAD 83)(1)(New Ed., Nov./98)

1. Radar reflector 44°15'01"N 66°19'52" W

NOTE: Digital data products 4118R/M, 76027(4118) and 76309(4118) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-23)

(CCG-F99-007)(DFO-A99-038)

***1322 CHALEUR BAY - DALHOUSIE - INCH ARRAN POINT - Chart amendments and lights.**

Charts (Last correction) - 4426(NAD 27)(1-4)(695/96) -LC4486(NAD 83)(5,6)(NewEdn. Feb./99)

1. Reposition	front range light	from	48°03'39".2 N 66°21'06".5 W
		to	48 03 39.2 N 66 21 05.6 W
2. Reposition	rear range light	from	48 03 42.6 N 66 21 24 W
		to	48 03 42.6 N 66 21 22.4W
3. Amend	Iso Y 6s 45ft to read Iso 6s 45ft		48 03 39.2 N 66 21 05.6 W
4. Amend	F Y 79ft to read F 79ft		48 03 42.6 N 66 21 22.4 W
5. Amend	Iso Y 6s 45ft to read Iso 6s 45ft		48 03 39.4 N 66 21 03.3 W
6. Amend	F Y 79ft to read F 79ft		48 03 42.8 N 66 21 18 W

NOTE: Digital data products 4426R/M, 4486R/M and 76187(4486) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-6)

(CCG-G97-135,136,DFO-A99-034)

***1323 ST. LAWRENCE RIVER - BAIE DE SEPT-ÎLES - Marine farm and wreck.**

Chart (Last correction) - 1220(NAD 83)(1,2)(1910/98)

1. Delete	marine farm		50°12'56".2 N 66°29'47".9 W
2. Delete	wreck Wk PA with depth known of 10 metres 2 decimetres		50 08 02 N 66 20 52 W

NOTE: Digital data products 1220R/M and 79006(1220) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-065)

***1309(P) ST. LAWRENCE RIVER - LES MÉCHINS - Shoal depth.**

Chart (Which will be affected) - 1230(Plan,Les Méchins)(NAD 27)(1)

1. Replace	22 feet with 18 feet		49°00'23".9 N 66°58'33".1 W
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NOTE: A chart amendment patch showing the above change will be available at a later date.

(AMA8035-10-35)

(DFO-Q99-062)

***1345 BAY OF FUNDY - SAINT JOHN RIVER - CLOWES SHOAL - Buoys.**

Chart - 4145(Sheet 2)(Nackawic to Newburg Junction)(NAD 27)(1,2)

- | | | |
|-----------|-----------------------------|-------------------------|
| 1. Delete | red spar buoy M56 | 46°06'35" N 67°33'57" W |
| 2. Add | red spar buoy, marked M56/2 | 46 06 34 N 67 33 58.5 W |

NOTE: Digital data products 4145R/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-F95-033, DFO-A99-061)

***1315 ST. LAWRENCE RIVER - MONTRÉAL HARBOUR - TÉTREAULTVILLE - Outfall.**

Chart (Last correction) - 1310(Compartment B-C)(NAD 83)(1,2)(931/99)

- | | | | |
|--------|--|----------------|--|
| 1. Add | outfall | joining
and | 45°35'55".1 N 73°30'32".7 W
45 35 55.2 N 73 30 31.6 W |
| 2. Add | 1 metre 8 decimetres over an
artificial feature | | 45 35 55.2 N 73 30 31.6 W |

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

(AMA8035-10-35)

(DFO-Q99-064)

***1337 ST. LAWRENCE RIVER - CANAL DE BEAUHARNOIS - Dept h.**

Chart (Last correction) - 1411(NAD 27)(1)(527/99)

- | | | |
|--------|---------|-----------------------------|
| 1. Add | 25 feet | 45°18'02".4 N 73°55'47".9 W |
|--------|---------|-----------------------------|

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

(AMA8035-10-35)

(DFO-C99-091)

***1324 ST. LAWRENCE RIVER - LAKE ST. FRANÇOIS - BAIE DES BRISES - Breakwall.**

Chart (Last correction) - 1412(NAD 27)(1-3)(1504/98)

- | | | | |
|--------|-----------------------|----------------|---|
| 1. Add | breakwall | joining
and | 45°11'52" N 74°10'17" W
45 11 55.5 N 74 10 23 W
45 11 57 N 74 10 22 W |
| 2. Add | water intake pipe | from
to | 45 12 17 N 74 09 45 W
45 12 17 N 74 09 51.3 W |
| 3. Add | orange spar buoy Priv | | 45 12 17 N 74 09 51.3 W |

NOTE: Digital data products 1412R/M and 73028(1412) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-074)

***1336 NORTHWEST TERRITORIES - BAFFIN BAY - Depths.**

Charts (Last correction) - 7302(NAD 27)(1,2)(671/90) - 7071(3,4)(671/90)

1. Add	110 metres	76°44'54" N 76°11'30" W
2. Add	150 metres	76 33 48 N 76 36 48 W
3. Add	60 fathoms	76 44 54 N 76 11 30 W
4. Add	82 fathoms	76 33 48 N 76 36 48 W

(AMA8035-10-35)

(DFO-C99-089)

***1333 LAKE ONTARIO - WELLAND CANAL - ST. CATHARINES - Buoys.**

Chart (Last correction) - 2042(Continuation B-C)(NAD 83)(1-6)(1343/98)

1. Delete	green light buoy WC29	43°09'53" N 79°11'40" W
2. Delete	red spar buoy WT4	43 06 44.3 N 79 11 27.2 W
3. Delete	red spar buoy WT6	43 06 45.5 N 79 11 20.7 W
4. Delete	red spar buoy WT8	43 06 46 N 79 11 17 W
5. Add	red spar buoy marked WT2	43 06 44.2 N 79 11 38.2 W
6. Add	red spar buoy marked WT4	43°06'46".2 N 79°11'19".2 W

NOTE: Digital data products 2042R/M and 73010(2042) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-092)

***1332 LAKE ONTARIO - TORONTO HARBOUR - Buoy.**

Chart (Last correction) - 2085(NAD 27)(1)(534/99)

1. Reposition	green light buoy T5	from	43°37'43" N 79°20'55" W
		to	43 37 42.7 N 79 20 52.6 W

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

(AMA8035-10-35)

(DFO-C99-090)

***1331 GEORGIAN BAY - MIDLAND BAY - TIFFIN BASIN - Buoys.**

Chart (Last correction) - 2222(NAD 27)(1-7)(645/95)

1. Delete	green spar buoy MD3	44°45'06" N 79°51'35".6 W
2. Delete	green spar buoy MD7	44 44 52.8 N 79 51 28 W
3. Delete	green spar buoy MD9	44 44 47 N 79 51 19.5 W
4. Delete	red spar buoy MD10	44 44 46.5 N 79 51 19 W
5. Delete	green spar buoy MD11	44 44 47.5 N 79 51 16 W
6. Delete	red spar buoy MD12	44 44 46.3 N 79 51 16.5 W
7. Delete	red spar buoy MD14	44 44 46.1 N 79 51 15 W

NOTE: Digital data products 2222R/M and 73158(2222) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13)

(CCG-D99-014, DFO-C99-083)

***1330 NORTHWEST TERRITORIES - QUEEN ELIZABETH ISLANDS - HASSEL SOUND - TEMPERANCE BAY - Shoal.**

Charts (Last correction) - 7950(1)(263/95) - 7951(1)(263/95)

1. Add	reported depth of 24m	78°07'17" N 97°54'32".7 W
--------	-----------------------	---------------------------

(AMA8035-10-35)

(DFO-C99-088)

***1326 NORTHWEST TERRITORIES - MACKENZIE RIVER - SANS SAULT RAPIDS - Buoy and beacon ranges.**

Chart - 6451(1-9)

1. Add	red conical buoy	65°40'00" N 128°44'18" W
2. Delete	legend RAM	65°40'35" N 128°49'12" W (approx.)
3. Delete	legend RAM	65 41 49 N 128 49 55 W (approx.)
4. Delete	legend RAM	65 43 33 N 128 47 27 W (approx.)
5. Delete	legend RAM	65 45 30 N 128 46 50 W (approx.)
6. Delete	legend RAM	65 46 05 N 128 45 32 W (approx.)
7. Delete	legend RAM	65 45 42 N 128 43 47 W (approx.)
8. Delete	legend RAM	65 44 24 N 128 41 45 W (approx.)
9. Delete	beacon range with legend RAM	65 41 00 N 128 49 22 W (approx.)

(AMA8035-10-35)

(DFO-C99-077)

***1328 NORTHWEST TERRITORIES - MACKENZIE RIVER - INUVIK TO KILOMETRE 1645 - Buoy.**

Chart - 6429(1-4)

1. Add	red conical buoy	from	68°28'39".5 N	134°06'20" W
		to	68 28 28 N	134 06 12 W
2. Delete	range line	from	68 27 26 N	134 09 18 W
		to	68 29 04.5 N	134 04 22 W
3. Add	track	from	68 27 26 N	134 09 18 W
		to	68 27 36 N	134 08 18 W
4. Add	range line	from	68 27 36 N	134 08 18 W
		to	68 29 04.5 N	134 04 22 W

(AMA8035-10-35)

(DFO-C99-078)

***1327 NORTHWEST TERRITORIES - MACKENZIE RIVER - EAST CHANNEL - Buoys.**

Chart - 6430(1-3)

1. Add	green can buoy	69°13'40" N	134°13'10" W
2. Add	green can buoy	69 05 51 N	134 25 34 W
3. Add	green can buoy	68 45 24.5 N	134 22 10 W

(AMA8035-10-35)

(DFO-C99-076)

***1353 CANADIAN COAST GUARD PUBLICATION - Amendments to the Radio Aids to Marine Navigation (Atlantic and Great Lakes) publication 1999.**

Substitute page 2-5 with the following page.					
<input checked="" type="checkbox"/> MCTS Iqaluit/VFF - Ship/Shore Communications:					
SITES	Channel:	VTS Sector:	Frequencies: Transmit: Receive:		Remarks:
Iqaluit			2182H3E 2582J3E	2182 2206*	
Iqaluit	403* 603* 812* 1201*		4363J3E 6507J3E 8752J3E 13077J3E	4071* 6206* 8228* 12230*	
Iqaluit	Ch16 Ch26*		156.800F3E 161.900F3E	156.800 157.300*	
Killinek			2182H3E 2514J3E 2582J3E	2182 2118* 2206*	
Killinek	403*		4363J3E	4071*	
Coral Harbour			2182H3E 2514J3E 2582J3E	2182 2118* 2206*	
Coral Harbour	403* 605*		4363J3E 6513J3E	4071* 6212*	
Resolute			2182H3E 2582J3E	2182 2206*	
Resolute	403* 825*		4363J3E 8791J3E	4071* 8267*	
Resolute	Ch16 Ch26*		156.800F3E 161.900F3E	156.800 157.300*	
<input checked="" type="checkbox"/> MCTS Iqaluit/VFF - Broadcasts:					
Time UTC:	Frequency:	Contents:			
0010	3253J3C (Resolute) 7710J3C (Resolute)	FACSIMILE: Ice Charts For details on facsimile transmission see Part 5 (Canadian Ice Services Section)			
0110	2514J3E (Coral Harbour) 6513J3E (Coral Harbour)	RADIOTELEPHONY: Weather synopsis and forecasts for marine areas 150,155,156,157,158,162,311,312 Following areas on request: 151,152,153,154,159,160,161,163,164,310 Notices to Shipping for all NORDREG waters east of 106°W and along the Labrador Ice information bulletin.			

Substitute page 2-38 with the following page.

Marine Communications and
 Traffic Services Centre: SYDNEY, NOVA SCOTIA

Call Sign: VCO

Communication Sites
 Located at:

Port Caledonia	46 11 08 N 59 53 40 W	Cape Egmont, P.E.I.	46 24 12 W 64 08 10 W
Cape North	47 00 40 N 60 25 35 W	Point Escuminac, N.B	47 04 25 N 64 47 53 W
Kilkenny Lake	46 13 15 N 60 10 06 W	North Cape, P.E.I.	47 03 27 N 63 59 55 W
St. Columba	45 59 45 N 60 51 25 W	Cheticamp	46 34 39 N 60 59 10 W
Montague, P.E.I.	46 11 40 N 62 39 35 W		

- For Radio Services call Sydney Coast Guard Radio.

- Bilingual services available.

Mailing address: Fisheries and Oceans
 Canadian Coast Guard
 Officer-in-Charge - MCTS Operations
 Sydney MCTS Centre
 P.O. Box 8630
 Sydney, Nova Scotia
 B1P 6K7

Telephone Numbers: (902) 564-7751 MCTS Operations
 (902) 564-7752 Officer-in-Charge

Telex Number: 019-35107 CGRS VCO SYD

Electronic Mail: VCO 001 Easylink (AT&T)

Facsimile: (902) 564-7662

Substitute page 3-4 with the following page.

MCTS Prescott/VBR - Broadcasts:

Time UTC:	Frequency:	Contents:
0510	518F1B	NAVTEX (H): Weather
0910	518F1B	NAVTEX (H): Weather
1310	518F1B	NAVTEX (H): Notices to Shipping. Ice (during ice season).
1710	518F1B	NAVTEX (H): Weather

2110	518F1B	NAVTEX (H): Weather	
MCTS Prescott/VBR - Traffic Lists:			
Times:		Frequency:	Sites:
0035 UTC then every 4 hours. April 1 - December 31.		Ch26	RADIOTELEPHONY: (English) Cardinal Kingston Orillia
		Ch27	Fonthill Cobourg Orillia
		Ch85	Cornwall Gananoque
0145 UTC then every 4 hours. April 1 - December 31.		Ch26	RADIOTELEPHONY: (French) Cardinal Kingston
		Ch85	Cornwall Gananoque
Substitute page 5-11 with the following page.			
Other <u>Marine Forecasts</u> for Baffin Bay Waters			
Number	Area name	Availability period	Available via:
907	Nunap Isuata Kitaa	Year round	Danish Meteorological Institute, Copenhagen attel: (45) 39 15 7500
908	Nuuarsuit		
909	Narsalik		
910	Mcqquitsoq		
911	Attu		
912	Uiffaq		
913	Qimusseriarsuaq		
914	Kiatak		
<u>Marine Forecasts</u> for Major Inland lakes, Western & Central Canada			
Number	Area name	Availability period	Radio Telephony Broadcast Stations
180	Great Slave Lake (See note 1, Eastern & Western Arctic waters)	June 15 - October 31	Inuvik: 0115 Yellowknife Weather Radio
181	Lake Athabasca	Open water season	
182	Lake Manitoba	Open water season	Thunder Bay: 0030, 1000, 1130, 1330, 1730, 2230
183	Lake Winnipeg South Basin	Open water season	Thunder Bay: 0030, 1000, 1130, 1330, 1730, 2230 Winnipeg, Riverton & Long Point Weatheradio
184	Lake Winnipeg North Basin		
185	Lake Winnipegosis	Open water season	Thunder Bay: 0030, 1000, 1130, 1330, 1730, 2230
<u>Marine Weather Observations</u> - Western Arctic and Great Slave Waters			
Weather reports (See note 2) for:		Broadcast stations	
Inuvik Sachs Harbour Tuktoyaktuk		Inuvik Weatheradio 05:00 to 23:00 Local Standard Time	

	Aklavik Fort MacPherson Norman Wells	
	Yellowknife Hay River Fort Reliance Fort Resolution Inner Whale Back Island automatic station Great Slave Lake Seasonal Buoy 45141 and 45150	Yellowknife Weatheradio 05:00 to 23:00 Local Standard Time
	Lake Winnipeg South Basin buoy	Winnipeg, Riverton & Long Point Weatheradio
	Lake Winnipeg: Gimli Grand Rapids George Island Norway House Berens River Victoria Beach	Thunder Bay Ch26, Ch19 at 0030, 1000, 1130, 1330, 1730, 2230
(2)	Only if available. Full weather broadcasts from manned stations. Temperature and winds from automatic stations and buoys.	
(AM2204-146)	(CCG-H99-055)	

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Labrador and Hudson Bay, Sixth Edition, 1988 —

Shoal,”

Insert: marked by a **buoy**

(N20/99)

Page 136 — Paragraph 53, line 9 – after “wharf” (Re : correction promulgated in Bi-weekly Edition No. 20/94)

Insert: (reported removed in 1999)

(N20/99)

Page 136 — Paragraph 53, last line (Re : correction promulgated in Bi-weekly Edition No. 20/94)

Add: Fresh water, 110 volt electric power, washrooms, laundry facilities and diesel fuel in limited quantities are available at Battle Harbour.

(N20/99)

Page 138 — Paragraph 66, line 10 – after “passage”

Insert: marked by **buoys**

(N20/99)

Page 139 — Paragraph 79, line 2 – after “6 feet (1.8 m),”

Insert: marked by port hand light **buoy** NS9 (276.8),

(N20/99)

Page 139 — Paragraph 85, last line

Add: A shoal with a least depth of 15 feet (4.6 m) and marked by port hand light **buoy** NS3 (276.7) lies about 0.2 mile north of the east end of Captain Jack’s Island.

(N20/99)

Page 223 — Paragraph 64, line 3 – after “sides.”

Insert: A **light** (319.21) is shown from a tower 30 m (98 ft) in elevation with a red and white daymark, on the SW end of Conical Island.

(N20/99)

Page 224 — Paragraph 69, last line

Add: A **light** (319.225) is shown from a red and white mast with an elevation of 71 m (233 ft), near the highest elevation of Double Island.

(N20/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 225 — Paragraph 88, line 3 – after “

Add: A **light** (319.22) is shown from a tower 33 m (108 ft) in elevation with a red and white daymark, on the north shore of Blandford Island.

(N20/99)

Page 225 — Paragraph 99, last line

Add: A **light** (319.23) is shown from a tower 21 m (69 ft) in elevation with a red and white daymark, on Green Island.

(N20/99)

Page 226 — Paragraph 109, line 5 – after “Bay.”

Insert: A **light** (319.24) is shown from a tower 19 m (62 ft) in elevation with a red, white and red daymark, on the SE side of Jackos Island.

(N20/99)

Page 226 — Paragraph 114, last line

Add: A **light** (319.25) is shown from a tower 18 m (59 ft) in elevation with a red, white and red daymark, on the sought end of the south Sisters Island.

(N20/99)

Page 226 — Paragraph 115, line 5 – after “northward.”

Insert: A **light** (319.35) is shown from a red and white tower 12 m (39 ft) in elevation on Ikey’s Point.

(N20/99)

Page 232 — Paragraph 151, line 6 – after “island.”

Insert: A **light** (319.322) is shown from a tower 25 m (82 ft) in elevation with a green and white daymark, on the NE end of West Turnavik Island.

(N20/99)

Page 232 — After paragraph 156

Insert: 156.1 **Drunken Harbour Point** lies about 2 miles WSW of the southern extremity of Inside Pigeon Island. A **light** (319.323) is shown from a red and white tower 8 m (26 ft) in elevation, on the south extremity of an unnamed island 0.4 mile NE of Drunken Harbour Point.

(N20/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 232 — Paragraph 158, last line

Add: A **light** (319.31) is shown from a tower 12 m (39 ft) in elevation with a red and white daymark, on the south end of the southmost Aillik Island.

(N20/99)

Page 232 — Paragraph 159, line 5 – after “Bay.”

Insert: A **light** (319.6) is shown from a tower 29 m (95 ft) in elevation with a red, white and red daymark, on the south end of Pigeon Island.

(N20/99)

Page 232 — Paragraph 161, line 5 – after “west.”

Insert: A **light** (319.321) is shown from a tower 10 m (33 ft) in elevation with a red and white daymark, on Cape Roy.

(N20/99)

Page 234 — Paragraph 166, last line

Add: A **light** (319.316) is shown from a tower 23 m (75 ft) in elevation with a green and white daymark, on the NW end of Long Island.

(N20/99)

Page 234 — Paragraph 169, line 5 – after “Island.”

Insert: **Alkami Island**, 92 feet (28 m) in elevation is located about 3 miles SSW of Cape Roi. A **light** (319.32) is shown from a tower 35 m (115 ft) in elevation with a green and white daymark, on the summit of the island.

(N20/99)

Page 236 — Paragraph 184, last line

Add: A **light** (321.058) is shown from a red and white tower 37 m (121 ft) in elevation, on the SE end of Striped Island.

(N20/99)

Page 248 — Paragraph 322, line 3 – after “rocks.”

Insert: A **light** (323.6) is shown from a tower 17 m (56 ft) in elevation with a red and white daymark, on the SW end of the southernmost island of The Horses.

(N20/99)

Page 425 — INDEX, after “ Algerine Point 330”

Insert: Alkami Island 234

(N20/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Page 432 — INDEX, after “Driftwood Island 363
 Insert: Drunken Harbour Point 232 (N20/99)
- Nova Scotia (Atlantic Coast) and Bay of Fundy, First Edition, 1990 —
- Page 80 — Table **Sydney Harbour – Wharves**
 Delete reference to North Sydney Public Wharf (A16/99)
- Page 82 — Paragraph 84, lines 1 and 2
 Delete: The Public wharf
 Replace by: A wharf owned by MV Osprey Ltd. (A16/99)
- Page 161 — Paragraph 164, line 4
 Delete: Public (A16/99)
- Page 296 — Paragraph 84, lines 4 and 5
 Cancel correction promulgated in Weekly Edition No. 28/90.
 Delete: Light and whistle **buoy** K is moored 1.5 miles NNW of
 East Wolf Island. (A16/99)
- Page 322 — Paragraph 17, lines 6 and 7
 Delete: Light and whistle **buoy** KM is moored 1 mile south of
 Point Lepreau. (A16/99)
- Gulf of St. Lawrence, First Edition, 1992 —
- Page 44 — After paragraph 85
 Insert: 85.1 **Marine farm** facilities lie about 2.5 miles NE of La
 Perle. The area is marked by four private and unlighted cautionary buoys. (L31/99)
- Page 44 — Paragraph 87, line 6 – after “plant”
 Insert: , fish farm facilities (L29/99)
- Page 47 — Paragraph 128, line 5 (Re : correction promulgated in Monthly Edition No. 5/97)
 Delete: 1996
 Replace by: 1998 (L32/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 61 — Paragraph 180, line 1 – after “A” (Re : corrections promulgated in Weekly Edition No. 35/92 and Bi-weekly Edition No. 4/94)
 Insert: fairway (L36/99)

Page 61 — Paragraph 190.1, line 1 – after “light” (Re : correction promulgated in Monthly Edition No. 9/96)
 Insert: and bell (L29/99)

Page 175 — Paragraph 184.2, last line (Re : correction promulgated in Monthly Edition No. 12/98)
 Add: The basin is protected by a breakwater and a wharf bordered with rocks. A private yellow light (1394) is shown from the wharf and a private starboard hand daybeacon is on the SW corner of the breakwater. (L30/99)

Page NOTES — GROSSE-ÎLE-NORD Diagram
 Substitute 2₅ for 4₂ @ 027°30', 615 metres from the inner SW corner of the border.
 Substitute 2₈ for 4₆ @ 035°, 659 metres from the inner SW corner of the border.
 Substitute 3₂ for 3₈ @ 040°, 545 metres from the inner SW corner of the border.
 Substitute 3₁ for 3₇ @ 046°30', 517 metres from the inner SW corner of the border. (L32/99)

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

Page 21 — Paragraph 236, line 11 – after “cove.”
 Insert: Fresh water is available. (N21/99)

Page 22 — Paragraph 245, last line
 Add: Ruins of a previous T-shaped wharf which nearly dry extend about 82 feet (25 m) off the outer end of the previous wharf; caution is advised. (N21/99)

Page 25 — Paragraph 275, lines 4 to 6
 (265) ... of the church.”
 Replace by: is shown from a mast on the outer end of the T-shaped wharf. (N21/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

- Paragraph 35, lines 1 and 2 – after “Incorporated” (Re : correction promulgated in Monthly Edition No. 5/99)
 Add: fish plant (N19/99)
- Page 4 — Paragraph 36, line 13 – after “Incorporated” (Re : correction promulgated in Monthly Edition No. 5/99)
 Add: fish plant (N19/99)
- Page 14 — Paragraph 152, lines 5 to 7
 Delete: “A church ... (98 ft).” (N19/99)
- Page 14 — Paragraph 153, line 9
 Cancel correction promulgated in Monthly Edition No. 5/99. (N19/99)
- Page 14 — Paragraph 153, last line
 Add: A shoal least depth 0.5 m (2 ft) and marked by isolated danger **buoy** TVG (5238.1) is located about 0.1 mile south of the breakwater. (N19/99)
- Page 18 — Paragraph 183, line 11 – after “rocks”
 Add: marked by **buoys** (N19/99)
- Page 18 — Paragraph 183, last line
 Add: A **light** (471.9) is shown from a mast on the outer end of the Public wharf. (N19/99)
- Page 18 — Paragraph 184, last line
 Add: A **light** (466.9) is shown from a tower 11 m (36 ft) in elevation with a red and white daymark, on the south side of the entrance channel. **Buoys** mark the entrance channel into the small boat harbour. A submarine water intake pipeline extends in a westerly direction from the mouth of the entrance channel; caution is advised. (N19/99)
- Page 18 — Paragraph 185, line 7 – after “wharf.”
 Insert: A 40 tonne mobile lift is available at this harbour. (N19/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Page 35 — Delete paragraph 343 and pictograph pertaining to it. (N19/99)
- Page 60 — Paragraph 149, lines 3 and 4
Delete: “with depths of ... (1 to 4 ft).”
Replace by: which nearly dries. (N19/99)
- Page 60 — Paragraph 151
Cancel correction promulgated in Monthly Edition No. 4/97. (N19/99)
- Page 61 — Paragraph 158
Cancel correction promulgated in Monthly Edition No. 4/97.
Replace by: Both breakwaters are constructed of armour stone.
Port hand light spar **buoy** MB3 (11) is moored close off the
outer end of the west breakwater. A **light** (10.5) is shown
from a mast on the outer end of the east breakwater. **Lights**
(10.1, 10.2) are shown from masts along the west side of the
channel. (N19/99)
- Page 61 — Paragraph 159, lines 1 and 2
light ... breakwater.” (N19/99)
- Page 67 — Paragraph 30, line 5
Delete: and a fish plant are
Replace by: is (N19/99)
- Page 67 — Paragraph 30, lines 6 and 7
Delete: at the fish plant (N19/99)
- Page 71 — Paragraph 61, last line
Add: A sunken wreck about 100 m (328 ft) long and 29 m
(95 ft) wide and showing masts is located alongside the inner
part of the south side of the wharf about 120 m (394 ft) ENE
of the dolphin; caution is requested. (N19/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 75 — Paragraph 93, last line

Add: Three floating wharves are moored off the eastern side of the outer section of easternmost pier of the Public wharf at Arnold's Cove.

(N19/99)

Page 75 — Paragraph 104, line 5

Delete: "This structure ... 1991."

Replace by: The outer ends of the breakwater and wharf were in ruins in 1999.

(N19/99)

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

Page 45 — Paragraph 66, line 3 – after "Point"

Insert: ; fresh water is available

(N18/99)

Page 46 — Paragraph 66, last line

Add: Gasoline and fresh water are available at the marine service centre.

(N18/99)

Page 46 — Paragraph 69, line 2 – after "

Add: and operates within a 100 mile radius

(N18/99)

Page 54 — Paragraph 139, line 10 – after "alongside."

Add: A floating wharf is moored off the outer end of this wharf. A **buoy** is moored close off the outer end of the floating wharf.

(N18/99)

Page 54 — Paragraph 140, line 1 – after "plant"

Insert: (closed in 1999)

(N18/99)

Page 55 — Paragraph 140, last line

Add: A boat ramp 20 feet (6 m) wide is located in the NE end of Diamond Cove.

(N18/99)

Page 57 — Paragraph 155, line 6

Delete: "A hoist ... wharf."

Replace by: A slipway is located alongside the wharf.

(N18/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 57 — Paragraph 155, line 7

Delete: tower

Replace by: mast

(N18/99)

Page 57 — Paragraph 156, line 1 – after “plant”

Insert: (closed in 1999)

(N18/99)

Page 58 — Paragraph 161, line 5 – after “breakwaters”

Insert: with an entrance width of 49 feet (15 m)

(N18/99)

Page 59 — Paragraph 163, line 2 – after “a”

Insert: **buoyed**

(N18/99)

ATL 110 – St. Lawrence River – Cap Whittle/Cap
First Edition, 1992 –

Les Escoumins,

Page 22 — Delete paragraph 272.1 (Re : correction promulgated in Monthly Edition No. 9/96)

Replace by: ^{272.1} Marine farm facilities lie in the NW part
of the bay. The area is marked by four private and unlighted
cautionary buoys.

(L35/99)

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

Page 19 — Paragraph 267, line 5 – after “ (45°03'N, 74°32'W)

Insert: The *Réserve nationale de faune du lac Saint-François* compté d'*Huntingdon* extends along the shore from
Rivière aux Saumons east to Pointe au Cèdre.

(C46/99)

Page 25 — Delete paragraph 25

Replace by: ²⁵ There is a **speed limit** of 11.5 knots over the
bottom between Eisenhower Lock and Iroquois Lock.

(C46/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Great Lakes, Volume 2, Seventh Edition, 1993 —

Page 148 — After paragraph 178

Insert: 178.1 **Caution.** — The walkway and floating cages of a **fish farm** extend 427 feet (130 m) offshore at Dinner Point. The cages are marked by cautionary **lights**. The concrete anchors extend 623 feet (190 m) from shore and are marked (1998) by privately maintained cautionary **buoys**. This facility is operated by *Cold Water Fisheries Inc.*

(C48/99)

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

Chapter III — Delete paragraph 67

Replace by: 67 The main Public **wharf** at Seeleys Bay is in two sections with a total length of 290 feet (88 m). The first section, consisting of a timber deck on stone cribs, extends 145 feet (44 m) from shore. A floating wharf, with finger wharves on both sides, continues at an angle from the first section. There is a concrete launching **ramp** near by.

(C45/99)

Chapter VII — Paragraph 24.1, last line (Re : correction promulgated in Monthly Edition No. 10/98)

Add: Four private and lighted information buoys (*1296.40, 1296.41, 1296.42, 1296.48*), marked "*Casino de Hull, Quai d'accostage, Docking Facilities*", are moored from Macdonald-Cartier Bridge and indicate the approach to the site.

(L28/99)

Small Craft Guide, Trent-Severn Waterway, Seventh Edition, 1989 —

Page 35 — Paragraph 60

Cancel correction promulgated in Weekly Edition No. 36/93.

(C16/99)

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

NEWFOUNDLAND

276.7	<i>Captain Jack's Island light buoy NS3</i>	52 19 47.4 55 46 48.6	FI	G	4s	.....	.....	Green, marked "NS3"	Seasonal.			Chart:5031 1341(P)/99
276.8	<i>Marley Rock light buoy NS9</i>	52 17 40.2 55 45 40.8	FI	G	4s	.....	.....	Green, marked "NS9"	Seasonal.			Chart:5031 1341(P)/99
277.3	<i>Caribou Run Inner light buoy NU1</i>	52 14 51 55 39 02	FI	G	4s	.....	.....	Green spar, marked "NU1".	Seasonal.			Chart:5031 1341(P)/99
319.21	Conical Island	54 55 39 58 50 37.2	FI	R	4s	30.4	.....	Skeleton tower, red and white horizontal bands on 3 sides. 4.9	Flash 0.5 s; eclipse 3.5 s Year round.			Chart:5045 1319/99
319.22	Blandford Island	55 03 33 58 44 30	Q	R	1s	32.9	..... .....	Skeleton tower, red and white horizontal bands on 3 sides. 3.7	Flash 0.3 s; eclipse 0.7 s Year round.			Chart:5045 1319/99
319.225	Double Island	55 04 19.2 58 54 39.6	FI	W	4s	21.4	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s. Year round.			Chart:5045 1319/99
319.23	Green Island	55 07 48 58 53 39	FI	R	4s	20.9	.....	Skeleton tower, red and white horizontal bands on 3 sides. 3.7	Flash 0.5 s; eclipse 3.5 s Year round.			Chart:5045 1319/99
319.24	Jackos Island	55 09 46.2 59 05 12	Mo(A)	W	6s	18.6	.....	Skeleton tower, red and white horizontal bands on 3 sides.	Flash 0.3 s; eclipse 0.6 s; flash 1 s; eclipse 4.1 s Year round.			Chart:5045 1319/99
319.25	Sisters Island	55 13 42 59 07 39	LFI	W	10s	17.6	.....	Skeleton tower, red and white horizontal bands on 3 sides. 3.7	Flash 2 s; eclipse 8 s Year round.			Chart:5045 1319/99
319.31	Aillik Islands	55 13 24 59 14 48	Q	R	1s	11.5	.....	Skeleton tower, red and white horizontal bands on 3 sides, 3.7	Flash 0.3 s; eclipse 0.7 s Year round.			Chart:5046 1319/99
319.316	Long Island Point	55 08 36.6 59 22 16.8	FI	G	4s	20.4	.....	Tower, green and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s. Year round.			Chart:5046 1319/99

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)

319.32	Alkami Island	55 00 04.8 59 34 19.2	Fl G 4s	35.1	Skeleton tower, green and white horizontal bands on 3 sides. 3.7	Flash 0.5 s; eclipse 3.5 s Year round. Chart:5046 1319/99
319.321	Cape Roy	55 09 31.8 59 25 01.2	Fl R 4s	23.5	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s. Year round. Chart:5046 1319/99
319.322	West Turnavik Island	55 15 34.8 59 20 15	Fl G 3s	25.4	.....	Tower, green and white horizontal bands. 3.6	Flash 0.5 s; eclipse 2.5 s. Year round. Chart:5046 1319/99
319.323	Drunken Harbour Island	55 13 22.8 59 30 11.4	Fl R 4s	25.1	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s. Year round. Chart:5046 1319/99
319.35	Ikey's Point	55 08 58.2 59 08 37.2	Fl R 4s	21.4	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s. Year round. Chart:5045 1319/99
319.6	Purching Island	55 11 03 59 23 06	Mo(A) W 6s	29.4	.....	Skeleton tower, red and white horizontal bands on 3 sides, 4.9	Flash 0.3 s; eclipse 0.6 s Flash 1.0 s; eclipse 4.1 s Year round. Chart:5046 1319/99
321.058	Striped Island	55 19 05.4 59 38 31.8	Fl W 4s	22.0	.....	Tower, red and white horizontal bands. 3.6	Flash 0.5 s; eclipse 3.5 s. Year round. Chart:5046 1319/99
323.6	The Horses	56 03 39 60 44 18	Fl W 3s	17.0	.....	Square skeleton tower, red daymark, red and white horizontal bands. 4.7	Flash 0.5 s; eclipse 2.5 s. Year round. Chart:5048 1310/99
373.1	Rodger's Point Shoal light buoy DX9	49 34 13.3 54 19 20	Fl G 4s	.....	.....	Green spar, marked "DX9".	 Chart:4531 1339/99
393.4	Grassy Island	49 28 29 54 03 21	Fl R 4s	.....	.....	Tower, red and white horizontal bands on 3 sides. 3.7	Flash 0.5 s; eclipse 3.5 s. Chart:4530 1339/99
420	Valleyfield wharf	On outer end of wharf. 49 07 15.8 53 36 28.4	F R	3.4	6	White square skeleton tower. 2.1	Seasonal. Chart:4858 1334/99

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

113 H4085	Saint John West						Delete from List.	Chart:4117 1306/99
683.1	Guysborough Harbour light buoy CQ2	45 22 33.2 61 29 13.3	Fl R 4s	Red, marked "CQ2"	Seasonal.	Chart:4335 1304/99
1291	Shippegan Channel light buoy EG25	47 45 02 64 42 15.7	Fl G 4s	.....	.....	Green, marked "EG25".	Year round.	Chart:4913 1308/99
1343 H1616	Inch Arran Point range	On the point. 48 03 39.2 66 21 05.6	Iso W 6s	13.7	.....	White square tower, red vertical stripe. 10.9	Visible in line of range. Year round.	
1343.1 H1616.1		28645' 364.5m from front.	F W	24.0	.....	Square skeleton tower, white daymark, red vertical stripe. 9.9	Visible in line of range. Year round.	Chart:4426 1322/99
1364 H1640	Carleton wharf	Near outer end of wharf. 48 06 00.8 66 07 51.7	Iso Y 2s	11.7	9	Red and white square skeleton tower. 9.0	Flash 1 s; eclipse 1 s Year round. Operates at night only.	Chart:4921 Edn. 07/99
1369 H1655	Bonaventure range	Havre de Beaubassin. 48 02 09.3 65 28 56.8	Iso R 2s	6.3	16	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 16.0	Visible in line of range. Seasonal.	
1369.1 H1655.1		00951' 141.7m from front.	Iso R 2s	8.9	16	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 16.0	Visible in line of range. Seasonal.	Chart:4921 Edn. 07/99
1373.3 H1665	Paspbiac breakwater	On outer end of breakwater. 48 01 06.1 65 15 34.3	Fl Y 6s	10.2	7	Square skeleton tower. 7.0	Flash 1 s; eclipse 5 s Seasonal.	Chart:4921 Edn. 07/99
1374 H1666	Paspbiac West	On outer end of wharf. 48 01 07.9 65 15 29.3	Fl G 6s	9.9	6	Black square mast. 7.6	Flash 1 s; eclipse 5 s Seasonal.	Chart:4921 Edn. 07/99
1376 H1674	St. Godefroi	On outer end of wharf. 48 04 22.3 65 06 54.1	Fl R 6s	8.0	6	Square skeleton tower. 6.1	Flash 1 s; eclipse 5 s Seasonal.	Chart:4486 Edn. 07/99

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

1379 H1680	Port Daniel West	On Pointe Ouest. 48 09 04.8 64 56 59.1	Fl W 6s	20.0	20	White octagonal tower. 7.0	Flash 1 s; eclipse 5 s Year round. Operates at night only.
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Chart:4921
Edn. 07/99

INLAND WATERS

509.45	Main Harbour Channel light buoy T5	43 37 42.7 79 20 52.6	Q G 1s	Green, marked "T5".	Operated by the Toronto Harbour Commission. Year round.
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Chart:2085
1332/99

**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,
Ottawa, Ontario, K1A 0E6

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