



Canada

Canada

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EASTERN EDITION OF NOTICES TO MARINERS

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NOTICES

1900 to 1978

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Marine Navigation Services Directorate
Marine Aids

RECYCLED PAPER

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

ADVISORY

NOTICES TO SHIPPING (WRITTEN AND BROADCAST)

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

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

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

Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.

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

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

For further information contact your local Canadian Coast Guard office.

Newfoundland

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

Maritimes

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

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 pagexiii of each monthly edition. Notification of changes to the mailing addresses, regional issues and/or number of copies required should also be transmitted by means of this form.

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

NOTE: Cette publication est aussi disponible en français.

DGPS INITIAL OPERATIONAL SERVICE

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

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

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

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

Table of 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
Warton, 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 a 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. oC: _____ 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 : _____

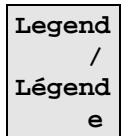
If yes, please fill below / Si oui, S.V.P. compléter ci-dessous:

ECDIS / SVCEI : Make / Fabriquant: _____ 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 Guardmaritimes 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

Superintendent, 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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***1974 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Chart.					
	ST. LAWRENCE RIVER/FLEUVE SAINT-LAURENT				
1432	Lac Saint-François	1:25 000	July 09/99	3	\$20.00
	Compartment A - B	1:25 000			
	Limit(s) : 45°10'18" N 74°12'00" W				
	45°15'30" N 74°12'00" W				
	45°15'30" N 74°26'18" W				
	45°04'00" N 74°26'18" W				
	45°10'18" N 74°16'00" W				
	Compartment B - C	1:25 000			
	Limit (s) : 45°10'12" N 74°24'00" W				
	45°10'12" N 74°28'00" W				
	45°03'48" N 74°38'18" W				
	45°00'54" N 74°38'18" W				
	45°00'54" N 74°24'00" W				

2. New Edition.

	NEWFOUNDLAND/TERRE-NEUVE				
4615	Harbours in Placentia Bay (Petit Forte to Broad Cove Head)	1:25 000	Aug. 20/99	1	20.00

3. Charts Permanently Withdrawn.

Chart	Title	On publication of chart
1412	Lac Saint-François - Partie Est / Eastern Portion	1432
1413	Lake St. Francis / Lac Saint-François - Western Portion / Partie Ouest	1432
4705	Belle Isle	
(AMA8035-10-35)		(DFO-H99-119)

***1976 CANADIAN HYDROGRAPHIC SERVICE - Raster Electronic Navigation Charts.**

Notes: (1) The following ENC products are only available from:
Nautical Data International Inc.

P.O. Box 127, Station C
 St. John's, Newfoundland
 A1C 5H5
 Telephone: 1-800-563-0634 or 1-709-576-0634
 Facsimile: 709-576-0636

- (2) For licencing information and rates please contact the distributor, Nautical Data International Inc. (NDI) at the above-mentioned address.

CHART	TITLE & CONTENTS	DATED	CAT #	PRICE
1. New charts.				
	LAKE OF THE WOODS / LAC DES BOIS			
6212R/M	Kenora to / à Aulneau Peninsula	Apr. 21/95		(See Note 2)
6213R/M	Whitefish Bay	Jul. 28/89		(See Note 2)
6214R/M	Sabaskong Bay	Jul. 07/89		(See Note 2)
6216R/M	Sturgeon Channel to / à Big Narrows Island	Feb. 28/92		(See Note 2)
6217R/M	Ptarmigan Bay and / et Shoal Lake	Feb. 12/93		(See Note 2)
6218R/M	Kenora, Rat Portage Bay	Nov. 13/92		(See Note 2)
	LAKE WINNIPEG / LAC WINNIPEG			
6251R/M	Red River / Rivière Rouge to / à Gull Harbour	Apr. 05/96		(See Note 2)
	WINNIPEG RIVER / RIVIÈRE WINNIPEG			
6286R/M	Whitedog Dam to / à Minaki	Nov. 25/88		(See Note 2)
2. New Editions.				
	ST. LAWRENCE RIVER / FLEUVE SAINT-LAURENT			
1317R/M	Sault-au-Cochon à / to Québec	Jan. 15/99		
	LAKE SUPERIOR / LAC SUPÉRIEUR			
2311R/M	Thunder Cape to Pigeon River	Apr. 23/99		
	NEWFOUNDLAND / TERRE-NEUVE			
4619R/M	Presque Harbour to Bar Haven Island and Paradise Sound	Nov. 20/98		
3. Chart Permanently Withdrawn.				
Chart	Title	On publication of chart		
4705R/M	Belle Isle			

(AMA8035-10-35)

(DFO-H99-121)

***1970(T) CANADA - Safety of offshore exploration and exploitation vessels.**

Reference: Notice 1346(T)/99 cancelled.

1999 Annual Edition of Notices to Mariners, No. 20, pages A20-1 to A20-4.

Mariners are advised that offshore exploration and exploitation vessels may be conducting drilling operations in the following areas:

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 and 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-H99-072)

***1977 CANADIAN HYDROGRAPHIC SERVICE - Canadian Tide and Current Tables.**

The Canadian Tide and Current Tables for 2000 have been published in Seven volumes.

Volume 1 Atlantic Coast and Bay of Fundy/côte de l'Atlantique et Baie de Fundy

Volume 2 Gulf of St. Lawrence/Golfe du Saint-Laurent

Volume 3 St. Lawrence and Saguenay Rivers/Fleuve Saint-Laurent et rivière Saguenay

Volume 4 Arctic and Hudson Bay/l'Arctique et la Baie d'Hudson

Volume 5 Juan de Fuca Strait and Strait of Georgia/Détroits de Juan de Fuca et de Georgia

Volume 6 Discovery Passage and West Coast of Vancouver Island/Discovery Passage et côte Ouest de l'Île de Vancouver

Volume 7 Queen Charlotte Sound to Dixon Entrance/Queen Charlotte Sound à Dixon Entrance

(AMA8035-10-35)

(DFO-H99-122)

***1975 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

Reference: Notice 1523/99.

Please note that upon publication of the New Edition of Chart 1233, dated 28-May, 1999, the following Notices to Mariners have been cancelled 703(P)/98, 320(P)/99, 575(P)/99 and 1120(P)/99.

(AMA8035-10-35)

(DFO-H99-120A)

***1942(P) CAPE BRETON ISLAND - ISLE MADAME – PETIT DE GRAT - Light to be discontinued.**

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

Chart: 4308

Petit De Grat light (L.L. 715) (45°29'44".8 N 60°57'45".8 W).

Comments on this action are solicited from mariners and other interested parties and should be directed to Bev Cleaveland, Canadian Coast Guard Base, P.O. Box 1236, Charlottetown, PEJ C1A 7M8, Telephone (902) 566-7936, within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-7-6)

(CCG-G99-048)

***1943(P) CAPE BRETON ISLAND – PORT MORIEN – Fog signal to be discontinued.**

The Canadian Coast Guard proposes to permanently discontinue PorMorien fog signal.

Chart: 4375

Port Morien fog signal (L.L. 768) (46°07'51".5 N 59°52'15".5 W).

Comments on this action are solicited from mariners and other interested parties and should be directed to Bev Cleaveland, Canadian Coast Guard Base, P.O. Box 1236, Charlottetown, PEJ C1A 7M8, Telephone (902) 566-7936, within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-7-6)

(CCG-G99-049)

***1946(P) QUÉBEC - LAC DES DEUX MONTAGNES - SENNEVILLE - Buoys and shoals.**

Chart 1510

Buoys H-1 to H-8 were moved slightly northwestward of their charted position to avoid two dangerous rocky zones located between buoys H3 and H7. It is recommended that mariners stay well inside the channel limits.

Note: Additional information will be available at a later date.

(AMA8035-10-5-9)

(DFO-Q99-088A)

***1962(P) NORTHUMBERLAND STRAIT - SHEMOGUE - Range lights to be discontinued.**

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

Chart: 4406

Shemogue range lights (L.L. 1098, 1099) (46°10'00"N 64°08'51" W approx.).

Comments on this action are solicited from mariners and other interested parties and should be directed to Bev Cleaveland, Canadian Coast Guard Base, P.O. Box 1236, Charlottetown, PEI C1A 7M8, Telephone (902) 566-7936, within three months from the date of publication of this notice. Any objections raised must state the facts on which they are based and should include supporting information on safety, commerce and public benefit.

(AMA8035-10-7-6)

(CCG-G99-050)

***1971 PRINCE EDWARD ISLAND - RUSTICO HARBOUR - Light buoy.**

Bifurcation light buoy JK (L.L.1054.9) (46°27'20"N 63°17'57" W) has been replaced by a green light buoy F1 marked "JK13".

(AMA8035-10-7-6)

(CCG-G97-061)

***1968 SUMMARY OF TEMPORARY AND PRELIMINARY NOTICES IN EFFECT
SEPTEMBER 24, 1999.**

(Revised and promulgated quarterly)

Reference: Notice 1347/99 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
		(1) MISCELLANEOUS
1346(T)/99	----	Canada - Safety of offshore exploration and exploitation vessels
		(2) CANADIAN ARCTIC AND WEST COAST OF GREENLAND
847(P)/89	7740, 7083	Northwest Territories - Larsen Sound - Boothia Peninsula - Results of surveys.
634(P)/96	7371	Northwest Territories - Ellesmere Island - Alexandra Fiord - Off Skraeling Island - Result of survey.
666(P)/96	----	Western Arctic - Great Slave Lake - Curtis Island - Light to be discontinued.

738(P)/96	6311	Northwest Territories - 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 - Off Brûlé Point - Shoal reported - Caution.
591(T)/93	5031	Labrador Coast - St. Mary's Harbour - Wharf under reconstruction - Caution.
804(P)/93	5048, L/C 8047, L/C 4730	Labrador Coast - Off 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.
1341(P)/99	5031	Labrador Coast - St. Lewis Sound - Buoys.
		(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)/95 120(P)/96	4210, LC 4230 4637	Nova Scotia - Wood's Harbour - Angels Island - Light. 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.
237(T)/96	4394	Nova Scotia, Southeast Coast -LaHave - Crooked Channel - Spar buoy temporarily repositioned.
444(P)/96	LC 4831, LC 4832, LC 4016	Newfoundland, Southeast Coast - Belle Bay - St. Jacques Island - Fog signal to be discontinued.
748(T)/96	4140	Bay of Fundy - Minas Basin - Approaches 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.
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.
137(T)/99	4114	Bay of Fundy - Campobello Island - Halftide Ledge - Radar reflector temporarily discontinued.
146(P)/99	- - - -	New Brunswick - GrandManan - 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.
1317(T)/99	4848, LC 4847	Newfoundland, East Coast - Conception Bay - Holyrood Bay - Range lights temporarily discontinued.
1344(T)/99	4634, LC 4015	Newfoundland, South Coast - Grand Bruit Harbour - Eastern Rock - Light discontinued temporarily.
1302(T)/99	LC 4118	Nova Scotia - Southwest Coast - St. Marys Bay - Long Island - Dartmouth Point - Radar reflector temporarily discontinued.
1731(T)/99	4142	Bay of Fundy - St. John River - Off Grimloss Island - Buoys temporarily established.
1744(T)/99	4142	Bay of Fundy - St. John River - Off Grimross Island - Buoys temporarily established.
1750(P)/99	- - - -	Nova Scotia - Lights and buoys 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 - Deschailions-sur-Saint-Laurent - Wharf damaged - Docking prohibited - Caution.
347(T)/92	- - - -	Newfoundland - Stephenville Entrance Channel and Turning Basin - Information about shoaling.
433(T)/92	4456	Gulf of St. Lawrence - Îles Mingan - Havre Saint-Charles - Information about reported sandbank.
133(T)/93	1203	St. Lawrence River - Saguenay River - Anse Saint-Jean - Light discontinued temporarily - Wharf damaged - Caution.

195(T)/93	4954	Gulf of St. Lawrence - Îles de la Madeleine - Chenal du Havre de la Grande-Entrée - Information about depths.
358(T)/93	4912	Gulf of St. Lawrence - Miramichi River - Information about depths and channel width restrictions.
636(P)/93	1351	Québec - Rivière Richelieu - Bassin de Chambly - Anemometer tower.
793(P)/93	4469	Gulf of St. Lawrence - Tête-à-la-Baleine - Information about wharf.
845(P)/93	4460	Gulf of St. Lawrence - Prince Edward Island - Charlottetown - Light established.
103(T)/94	4426	Chaleur Bay - Restigouche River - Dalhousie - Results of survey.
240(P)/94	1317	St. Lawrence River - Cap Rouge - Shoal depth.
299(P)/94	L/C 4020	Strait of Belle Isle - Green Island Brook - Light established.
582(P)/94	4921	Gulf of St. Lawrence - Chaleur Bay - L'Anse-à-Beaufils - Breakwater extension.
583(P)/94	L/C 4464, L/C 4022	Cape Breton Island - Pleasant Bay - Light.
612(T)/94	4483	Gulf of St. Lawrence - Caribou Harbour - Results of survey.
798(P)/94	L/C 4486	Gulf of St. Lawrence - Chaleur Bay - Anse-Bleue - Range lights to be discontinued.
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.
1151(P)/98	1339	St. Lawrence - Varennes - Shoal depths.
1159(P)/98	----	Gulf of St. Lawrence - Miramichi Bay and River - Range lights to be discontinued.
1160(P)/98	----	Gulf of St. Lawrence - Miramichi Bay and River - Range lights to be discontinued.
1746(T)/98	1509	Rivière des Milles-Îles - Laval - Shoal.
1940(P)/98	----	St. Lawrence River - Île Verte - Light to be discontinued.
2111(P)/98	1338, 1339	St. Lawrence River - Contrecoeur - Shoal depths.
2134(P)/98	1339	St. Lawrence River - Île Bouchard - Shoal depths.
2308(P)/98	1310	St. Lawrence River - Montréal Harbour - Wharf 46 - Maintained area.
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.
130(P)/99	1317	St. Lawrence River - Île d'Orléans - Saint-François - Shoal depths.
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(T)/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.
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, daybeacon, 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.
1309(P)/99	1230	St. Lawrence River - Les Méchins - Shoal depth.
1316(T)/99	LC 4913, 4920	Chaleur Bay - Lower and Middle Caraquet - Lights temporarily discontinued.
1501(P)/99	1202	Québec - Rivière Saguenay - Saint-Fulgence - Shoal depth.
1513(P)/99	1317	St. Lawrence River - Sainte-Pétronille - Obstruction.
1736(T)/99	1310	St. Lawrence River - Île Grosbois - Dangerous rock.

1749(P)/99	- - - -	St. Lawrence River - Port de Québec - Range lights to be discontinued.
1755(P)/99	- - - -	Gulf of St. Lawrence - Light and buoys to be discontinued.
		(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.
214(P)/92	1510	Québec - Lac des Deux Montagnes - Rivière des Prairies - Île Bigras - Information about height of bridge.
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.
812(T)/92	LC 2122, LC 2123, LC 2100	Lake Erie - Pelee Passage - Southeast Shoal - Radiobeacon discontinued temporarily.
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.
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, L/C 2200	Lake Huron - South Baymouth - Fog signal to be discontinued.
182(P)/94	2235, 2282, L/C 2201	Lake Huron - Georgian Bay - Cabot Head - Fog signal to be discontinued.
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.
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.
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.
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 - LacDollard-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.
1722(P)/99	2059	Lake Ontario - Wicklow Beach - Light.
(AMA8035-10-1)	(CCG-H99-069)	

***1969 LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES IN EFFECT
SEPTEMBER 24, 1999.**

(Revised and promulgated quarterly)

(Reference: Notice 1348/99 cancelled)

CHARTS	(T) and (P) NOTICES
1202	1501(P)/99
1203	133(T)/93
1220	920(P)/99
1230	1309(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, 1736(T)/99
1312	1140(P)/98
1313	65(T)/95
1314	170(T)/92
1317	240(P)/94, 116(P)/99, 130(P)/99, 1513(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
1351	196(T)/87, 636(P)/93, 433(T)/96, 510(P)/98
1361	1101(P)/99
1509	1746(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
2059	1722(P)/99

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	812(T)/92, 367(P)/97
L/C 2110	121(P)/94
L/C 2121	244(T)/95
L/C 2122	812(T)/92, 367(P)/97
L/C 2123	812(T)/92, 162(P)/94, 507(P)/96, 505(P)/98
2181	725(T)/91, 121(P)/94, 244(T)/95
L/C 2200	176(P)/94, 178(P)/94, 180(P)/94
L/C 2201	115(P)/94, 182(P)/94
2202	367(T)/88, 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
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
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, 1344(T)/99
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
LC 4118	1302(T)/99
4124	73(P)/94, 507(T)/95
4140	748(T)/96

4142	815(P)/93, 1731(T)/99, 1744(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
4634	1344(T)/99
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	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, 1317(T)/99

4848	782(T)/92, 1317(T)/99
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
LC 4913	1316(T)/99
4920	1316(T)/99
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, 1341(P)/99
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-H99-070)

***1972 CANADIAN HYDROGRAPHIC SERVICE - Current chart edition dates.**

CHART EDITIONS	The three terms described below are used to indicate the publication status of Canadian charts.		
NEW CHART	The first publication of a Canadian chart embracing an area Not previously charted to the scale shown, or embracing an area different from any existing Canadian chart.		
NEW EDITION	A New issue of an existing chart containing amendments essential to Navigation in addition to those issued in Notices to Mariners and making existing editions obsolete.		
REPRINTS	A New print of the current edition of a chart incorporating No amendments of Navigational significance other than those previously promulgated in Notices to Mariners. It may also contain amendments from other sources provided they are Not essential to Navigation. Previous printings of the current edition remain in force.		
The accompanying list is a listing of the dates of current chart editions up to monthly edition 04 of 1999 (The asterisk indicates changes since Monthly edition 2, 1999). Please refer to the Monthly Notices to Mariners for detail.			
Chart	Cat	Edition Date	Reprint Date

	1	NE	05-JAN-96	
	1202	NE	13-NOV-81	20-MAY-94
	1203	NE	04-JAN-85	10-FEB-95
	1209	NE	14-DEC-84	02-AUG-96
	1220	NE	28-FEB-97	
*	L/C 1221	NE	23-APR-99	
	1223	NE	03-OCT-97	
	1226	NC	27-MAY-83	03-MAY-91
	1229	NE	31-DEC-76	15-DEC-95
	1230	NE	29-FEB-80	10-FEB-89
*	1233	NE	28-MAY-99	
	L/C 1234	NE	24-JUL-98	
	L/C 1235	NE	25-APR-97	
	L/C 1236	NE	25-SEP-98	
	1260	NC	04-JAN-91	
*	1310	NE	12-MAR-99	
*	1312	NE	02-APR-99	
	1313	NE	27-JUN-97	
	1314	NE	04-SEP-98	
	1315	NE	25-SEP-98	
*	1316	NE	26-FEB-99	
*	1317	NE	15-JAN-99	
	1338	NE	05-APR-96	10-JUL-98
	1339	NE	19-AUG-83	03-JAN-97
	1350	NC	06-JUL-84	25-MAR-94
	1351	NC	21-SEP-84	11-AUG-95
	1361	NC	28-MAY-76	01-MAR-96
*	1400	NE	25-JUN-99	
*	1409	NE	21-MAY-99	
*	1410	NE	25-JUN-99	
	1411	NE	02-AUG-96	
*	1432	NC	09-JUL-99	
*	1433	NC	28-MAY-99	
	1434	NC	01-MAR-96	
	1435	NC	15-DEC-95	
	1436	NC	15-JAN-93	03-JAN-97
	1437	NC	19-MAR-93	30-MAY-97
	1438	NE	06-OCT-95	
	1439	NE	22-FEB-91	07-FEB-97
	1509	NC	18-MAY-90	27-JUN-97
	1510	NE	23-JAN-98	
	1512	NE	03-AUG-84	09-OCT-92
	1513	NE	07-JUN-96	
	1514	NC	24-JUL-98	
	1515	NC	24-JUL-98	
	1550	NE	05-JAN-96	
	1551	NE	27-JUN-86	
	1552	NE	05-JUN-98	
	1553	NC	15-FEB-80	21-APR-95
	1554	NE	16-SEP-88	15-AUG-97
	1555	NC	12-OCT-79	
	L/C 2000	NE	10-APR-98	
	2006	NE	03-JUL-87	16-FEB-90
	2007	NE	10-SEP-82	09-SEP-94
	2011	NC	08-JUL-88	
	2017	NC	13-JUL-90	
	2018	NC	22-JUN-90	
	2021	NE	25-JUN-93	
	2022	NE	02-AUG-96	
	2023	NE	01-MAR-85	24-MAR-95
	2024	NE	29-MAR-85	16-DEC-94
	2025	NE	01-MAR-85	28-MAY-93
	2026	NE	05-APR-85	15-DEC-95

	2028	NE	05-JUN-98	
	2029	NE	20-MAR-87	08-MAY-92
	2042	NE	07-OCT-94	
	2043	NC	29-NOV-68	26-MAR-82
	2044	NC	28-FEB-97	
	2047	NC	07-APR-95	
	2048	NC	11-OCT-91	
	2049	NC	10-MAY-85	
	2050	NC	10-MAY-85	
	2053	NC	10-MAY-85	
	2054	NC	10-MAY-85	
	2055	NC	05-JUL-91	
	L/C 2058	NE	16-JUN-89	
	2059	NC	31-JUL-98	
	L/C 2060	NE	28-JUN-85	01-JUL-94
*	L/C 2064	NE	05-MAR-99	
	2067	NE	01-NOV-85	15-FEB-91
	2069	NE	04-MAR-83	13-FEB-98
	2070	NE	29-APR-83	
*	L/C 2077	NE	23-APR-99	
	2085	NE	22-JUN-90	08-APR-94
	2086	NC	09-JUN-89	03-APR-92
*	L/C 2100	NE	25-DEC-98	
	L/C 2110	NE	29-MAY-98	
*	L/C 2120	NE	06-NOV-98	
	L/C 2121	NC	18-DEC-87	
	L/C 2122	NE	05-JUL-91	05-APR-96
	L/C 2123	NE	12-MAR-93	04-APR-97
	2140	NC	16-SEP-88	
	2165	NC	08-MAR-91	
	2181	NE	10-NOV-89	
	L/C 2200	NE	01-MAY-87	17-APR-92
	L/C 2201	NE	13-NOV-98	
*	2202	NE	26-MAR-99	
	2203	NE	07-OCT-88	13-NOV-92
	2204	NE	06-MAY-83	12-FEB-93
	2205	NE	18-DEC-87	06-MAR-92
	2206	NC	27-JUN-97	
	2212	NC	24-FEB-95	
	2213	NC	24-FEB-95	
	2214	NC	07-OCT-94	
	2215	NC	12-AUG-94	
	2218	NC	13-APR-84	
	2221	NE	07-JUN-96	
	2222	NC	13-APR-84	
	2223	NC	13-APR-84	
	2225	NE	08-MAR-91	11-JUL-97
	2226	NE	22-NOV-91	
	L/C 2228	NC	16-FEB-90	
	2235	NE	06-FEB-87	30-DEC-94
	2239	NE	08-MAR-85	01-MAR-96
	L/C 2243	NE	30-AUG-85	08-APR-94
	L/C 2244	NE	12-JUN-87	16-JUN-95
	L/C 2245	NE	06-JUN-86	05-APR-96
	2250	NC	09-MAY-86	
	2251	NC	11-APR-86	26-JUN-92
	2257	NE	02-NOV-84	07-JUN-96
	2258	NE	16-JUN-89	05-APR-96
	2259	NE	15-JUN-62	02-JUL-93
*	2260	NE	05-FEB-99	
	2261	NE	13-JUN-86	21-APR-95
	2266	NC	22-JUN-84	
	2267	NC	22-JUN-84	

	2268	NE	31-MAR-89	06-MAY-94
	2273	NC	13-OCT-55	22-AUG-75
	2274	NE	08-JUN-90	
	L/C 2282	NE	07-JUN-96	
	L/C 2284	NE	27-OCT-89	07-JUN-96
	2286	NE	21-JAN-83	25-AUG-95
	2289	NE	16-OCT-87	05-JUN-92
	2291	NE	12-JUL-81	15-APR-88
	2292	NE	28-APR-89	05-APR-96
	2293	NE	11-JUN-65	12-DEC-80
	2294	NE	23-JUN-89	24-JAN-97
	2297	NE	20-JAN-60	19-SEP-97
	2298	NE	02-JUL-58	13-FEB-81
	2299	NE	30-SEP-83	30-JUN-95
	L/C 2300	NC	24-APR-98	
	L/C 2301	NE	22-FEB-91	
	L/C 2302	NE	02-AUG-85	
	2303	NE	18-MAY-55	29-JUN-90
	2304	NE	31-MAY-57	01-FEB-80
	2305	NE	17-DEC-56	08-FEB-80
	2306	NE	03-MAY-57	09-MAY-75
	2307	NE	31-AUG-56	11-MAR-77
	2308	NE	19-JUL-46	21-APR-78
*	L/C 2309	NE	23-JUL-99	
	2310	NE	03-JUN-46	01-FEB-80
*	2311	NE	23-APR-99	
	2312	NE	13-NOV-87	08-APR-94
	2313	NE	21-JUN-57	28-OCT-77
*	2314	NE	23-APR-99	
	2315	NE	22-APR-88	
	2318	NE	03-DEC-82	
	2400	NE	29-JUN-90	
	L/C 3000	NE	20-JAN-89	22-APR-94
	L/C 3001	NE	07-OCT-94	
	L/C 3002	NE	16-DEC-94	
	3050	NE	03-MAY-96	
	3052	NE	07-OCT-94	
	3053	NC	11-APR-86	02-FEB-90
	3055	NC	21-JUN-91	
	3056	NC	21-JUN-91	
	3057	NC	21-JUN-91	
	3058	NC	21-JUN-91	
	3061	NC	29-MAY-81	21-JUN-85
	3062	NC	24-MAY-85	
	3080	NE	03-APR-92	
	3311	NE	31-DEC-93	
	3312	NC	31-JAN-86	05-APR-91
	3313	NC	28-JUL-95	
	3410	NC	24-MAR-95	
	3411	NC	24-MAR-95	
	3415	NE	13-FEB-87	08-APR-94
	3419	NC	02-JUL-93	
	3424	NC	24-JUL-87	02-APR-93
*	3440	NE	25-DEC-98	
	3441	NE	12-AUG-88	06-DEC-96
	3442	NE	03-JUN-88	06-DEC-96
	3443	NE	30-JAN-98	
	3457	NE	29-DEC-89	01-MAY-98
	3458	NE	10-MAR-95	
	3459	NE	24-OCT-97	
	L/C 3461	NC	06-JAN-84	02-DEC-94
	L/C 3462	NE	23-OCT-98	
	L/C 3463	NE	03-OCT-97	

	3473	NE	13-FEB-87	04-DEC-92
	3475	NE	27-MAY-88	02-JUL-93
	3476	NC	31-AUG-84	22-APR-94
	3477	NE	03-MAY-85	08-SEP-89
	3478	NE	24-FEB-95	
	3481	NE	05-DEC-86	17-DEC-93
	3488	NC	21-OCT-94	
	3489	NC	21-OCT-94	
	3490	NE	25-JUL-97	
	3491	NE	05-JAN-96	
	3492	NC	27-JUN-97	27-NOV-98
*	3493	NE	18-DEC-98	
*	3494	NE	18-DEC-98	
*	3495	NE	18-DEC-98	
*	L/C 3512	NE	25-DEC-98	
	L/C 3513	NC	30-NOV-84	19-FEB-93
	3514	NE	02-AUG-96	
	3515	NC	18-JAN-91	03-JUN-94
	3526	NE	24-FEB-95	
	3527	NE	01-JAN-88	02-APR-93
	3534	NE	07-MAY-93	
	3535	NE	16-AUG-85	16-APR-93
	3536	NC	21-APR-78	16-APR-93
	3537	NC	27-SEP-85	22-JUN-90
	3538	NE	27-NOV-92	02-AUG-96
	3539	NE	04-AUG-89	25-APR-97
	3540	NE	22-MAY-92	
	3541	NE	29-JUL-94	
	3542	NE	01-JUL-94	
	3543	NE	27-NOV-92	30-MAY-97
	3544	NE	25-SEP-87	01-MAY-98
	3545	NC	28-APR-89	12-AUG-94
	3546	NC	28-APR-89	11-JUL-97
	3547	NC	28-APR-89	05-APR-96
	3548	NE	26-SEP-97	
	3549	NC	03-DEC-93	05-APR-96
	3550	NC	03-DEC-93	02-JAN-98
	3552	NC	02-JAN-87	02-APR-93
	3555	NE	27-JUN-86	09-APR-93
	3559	NC	15-JUN-79	02-FEB-90
	3564	NC	04-DEC-87	08-SEP-95
	3598	NE	14-AUG-87	11-OCT-91
	3601	NC	26-AUG-94	
	L/C 3602	NE	24-MAY-85	12-AUG-94
	L/C 3603	NE	23-OCT-81	01-NOV-91
	L/C 3604	NE	06-NOV-87	13-JUN-97
	L/C 3605	NE	06-MAR-98	
	L/C 3606	NE	27-JUL-84	03-SEP-93
	3623	NE	26-AUG-77	06-JAN-89
	3624	NE	19-AUG-88	22-APR-94
	3625	NC	25-OCT-68	10-MAR-89
	3646	NE	30-JUN-95	
	3647	NE	05-JUL-85	02-JAN-98
	3651	NE	09-APR-93	
	3668	NE	12-MAR-93	
	3670	NE	21-OCT-94	
	3671	NE	27-AUG-82	03-JUN-94
	3673	NC	01-DEC-95	
	3674	NC	01-DEC-95	
*	3675	NC	20-NOV-98	
*	3676	NC	20-NOV-98	
	3679	NC	14-JUN-91	21-FEB-97
	3680	NE	07-APR-78	26-APR-91

	3681	NC	08-JUN-90	
	3682	NE	05-JUN-87	
	3683	NE	06-MAR-98	
	3685	NE	25-AUG-95	
	3686	NC	08-APR-88	02-DEC-94
	3710	NE	04-JUL-86	15-JUN-90
	3711	NE	15-JUN-84	19-FEB-93
	3717	NE	28-JUL-95	
	3719	NE	17-APR-61	11-NOV-88
	3720	NE	12-FEB-88	03-SEP-93
	3721	NE	26-AUG-94	
	3722	NE	07-FEB-64	04-SEP-87
	3723	NE	29-JUN-84	
	3724	NE	23-MAY-80	21-APR-95
	3726	NE	23-MAY-80	06-JAN-89
	3727	NE	29-JUN-62	24-MAR-95
	3728	NE	05-FEB-82	24-JAN-97
	3729	NE	06-MAR-98	
	3730	NC	30-NOV-60	21-DEC-90
	3733A	NC	01-FEB-56	
	3734	NE	09-JUL-76	24-MAY-91
	3736	NE	31-AUG-90	
	3737	NE	14-AUG-87	21-APR-95
	3738	NE	04-FEB-83	24-MAR-95
	3739	NE	03-FEB-84	01-SEP-89
	3740	NE	20-MAY-77	06-DEC-96
	3741	NE	15-FEB-63	30-JUN-89
	3742	NE	16-JUL-82	02-AUG-96
	3743	NE	25-MAR-77	10-FEB-95
	L/C 3744	NE	20-MAY-88	
	3745	NE	12-JUN-98	
	3746	NE	12-AUG-77	02-JUL-93
	3747	NE	16-SEP-77	30-MAY-97
	3753	NE	30-APR-59	12-AUG-88
	3761	NE	19-AUG-88	
	3772	NE	30-OCT-64	29-JAN-93
	3773	NE	26-APR-85	06-DEC-96
	3781	NE	18-MAY-59	15-MAR-91
	3784	NE	23-JUL-82	16-DEC-94
	3785	NE	04-OCT-91	12-JUN-98
	3786	NC	05-JUL-46	12-MAR-93
	3787	NE	29-JUL-77	04-APR-97
	3794	NE	07-FEB-75	17-MAR-89
	3795	NE	01-MAY-64	09-JUL-93
*	L/C 3802	NE	24-NOV-89	07-MAY-99
*	3807	NC	05-FEB-99	
	3808	NC	30-MAR-62	13-OCT-89
	3809	NE	24-AUG-79	24-MAR-95
	3811	NE	06-DEC-63	27-SEP-91
	3825	NE	16-DEC-77	09-JUN-89
	L/C 3853	NE	02-MAR-90	05-APR-96
	L/C 3854	NE	23-OCT-87	23-APR-93
	3855	NE	13-JAN-67	26-APR-91
	3857	NE	17-NOV-67	10-JUL-87
	3858	NE	28-JUL-67	28-JUL-89
	3859	NE	21-AUG-98	
	3860	NE	12-SEP-69	05-JAN-90
	3863	NE	25-APR-80	16-MAR-90
	3864	NE	11-MAY-62	17-DEC-93
	3865	NE	01-NOV-55	10-JUL-87
	3868	NE	12-JUL-68	19-APR-91
	3869	NE	28-NOV-86	02-MAR-90
	3890	NC	14-MAR-86	07-APR-95

	3891	NC	08-SEP-89	01-AUG-97
	3892	NC	13-JAN-84	03-JUN-94
	3893	NC	13-JAN-84	
	3894	NE	12-JUN-98	
	3895	NC	15-JUN-84	09-JUN-89
	L/C 3902	NE	09-DEC-88	27-JUN-97
	3909	NC	11-DEC-87	03-JUN-94
	3920	NC	18-JAN-91	
	3921	NE	15-DEC-95	
	3927	NE	29-MAY-98	
	3931	NC	21-FEB-92	
	3932	NC	21-FEB-92	12-JUN-98
	3933	NE	20-JAN-89	19-FEB-93
	3934	NC	21-FEB-92	02-JUN-95
	3940	NC	01-MAR-96	
	3955	NC	15-FEB-85	20-MAY-94
	3956	NE	01-MAR-96	
	3957	NE	05-JUN-98	
	3958	NE	24-MAR-95	
	3959	NC	11-DEC-87	03-JUL-92
*	3960	NC	13-AUG-93	16-APR-99
	3962	NE	26-JAN-79	18-JUN-93
	3963	NC	26-OCT-90	12-JUN-98
*	3964	NE	30-APR-99	
	3994	NE	20-JAN-89	22-SEP-95
	4000	NE	14-DEC-84	
	L/C 4001	NE	01-DEC-95	
	L/C 4002	NE	27-DEC-91	05-JUL-96
	L/C 4003	NE	14-DEC-84	29-JUL-94
	L/C 4006	NE	14-DEC-84	19-FEB-93
	L/C 4010	NE	18-NOV-83	10-JUL-92
	L/C 4011	NE	31-OCT-97	
	L/C 4012	NE	13-MAR-87	14-JUL-95
	L/C 4013	NE	07-NOV-86	03-JUL-92
	L/C 4015	NE	24-JUL-92	
	L/C 4016	NE	05-MAY-95	
	L/C 4017	NE	16-JUN-95	
	L/C 4020	NE	27-DEC-91	
	L/C 4021	NE	27-DEC-91	
	L/C 4022	NE	27-DEC-91	02-AUG-96
	L/C 4023	NE	28-NOV-86	05-JAN-96
	L/C 4024	NE	27-DEC-91	
	L/C 4025	NE	27-DEC-91	
	L/C 4026	NE	27-DEC-91	18-JUL-97
	L/C 4045	NC	08-AUG-86	
	4047	NE	09-OCT-98	
	L/C 4049	NE	19-MAY-95	
	L/C 4098	NC	21-SEP-84	
	L/C 4099	NC	21-SEP-84	
	4114	NC	08-MAY-92	
	L/C 4116	NC	09-APR-93	
	4117	NC	28-OCT-88	
*	L/C 4118	NE	13-NOV-98	
	4124	NC	07-AUG-92	
	4130	NC	30-MAY-69	17-DEC-76
	4140	NC	07-JAN-72	02-JUL-82
	4141	NE	01-NOV-96	
	4142	NE	01-NOV-96	
	4145	NE	22-MAR-91	
	4170	NC	28-FEB-92	
	4201	NE	26-JAN-90	10-MAR-95
	4202	NC	14-AUG-87	17-OCT-97
	4203	NC	07-AUG-87	07-NOV-97

4209	NC	21-OCT-94	
4210	NC	05-APR-91	
4211	NE	07-DEC-90	02-JUN-95
L/C 4227	NC	24-MAY-91	
L/C 4230	NC	15-JUN-90	26-JUN-98
L/C 4233	NC	11-JAN-91	
L/C 4234	NC	10-APR-87	26-DEC-97
L/C 4235	NC	31-MAR-89	
L/C 4236	NC	30-JAN-87	28-JUL-95
L/C 4237	NC	30-DEC-88	30-JAN-98
L/C 4240	NC	06-OCT-89	06-JUN-97
L/C 4241	NC	01-DEC-89	02-AUG-96
L/C 4242	NE	28-AUG-92	
L/C 4243	NC	20-JUN-86	25-AUG-89
4244	NC	21-FEB-86	26-APR-91
4245	NE	28-NOV-86	25-DEC-92
L/C 4255	NC	27-JUL-90	
4266	NC	29-SEP-89	
4275	NE	23-DEC-83	03-MAY-96
4276	NE	25-JUL-97	
4277	NE	17-APR-98	
4278	NE	20-MAR-98	
4279	NE	28-AUG-98	
4281	NE	20-FEB-87	14-JUL-95
4306	NE	14-JUN-85	07-JUN-96
4307	NE	15-FEB-85	13-NOV-92
4308	NE	07-SEP-84	27-SEP-91
L/C 4320	NE	26-SEP-97	
L/C 4321	NE	11-OCT-85	01-FEB-91
4328	NE	10-JUL-98	
4331	NE	19-OCT-84	26-DEC-97
4332	NE	29-DEC-61	24-JAN-97
L/C 4335	NE	14-AUG-98	
4337	NE	03-JAN-86	
L/C 4340	NE	12-APR-91	
4342	NE	03-JUN-88	26-APR-91
L/C 4363	NE	01-NOV-85	13-NOV-92
4365	NE	08-DEC-72	29-FEB-80
L/C 4367	NE	01-NOV-85	06-JUL-90
L/C 4374	NE	27-DEC-85	26-MAR-93
L/C 4375	NE	25-OCT-85	01-JAN-93
4376	NE	02-OCT-87	11-AUG-95
4377	NE	06-NOV-98	
4379	NE	31-OCT-86	14-FEB-92
4381	NE	17-JAN-86	03-MAY-96
4384	NE	31-OCT-86	13-AUG-93
L/C 4385	NE	07-JUN-96	
4386	NE	03-OCT-86	24-MAR-95
4391	NE	21-FEB-92	
4394	NE	14-SEP-90	
4395	NE	25-MAY-90	
4396	NE	19-FEB-88	30-JUL-93
4399	NC	03-APR-42	26-AUG-83
4402	NE	25-DEC-98	
L/C 4403	NE	21-JUN-85	24-DEC-93
L/C 4404	NE	26-JUL-85	29-JUN-90
L/C 4405	NE	12-JUL-85	21-JUL-89
L/C 4406	NE	27-FEB-98	
4416	NE	01-MAY-98	
4419	NE	12-AUG-88	02-FEB-96
4420	NE	03-OCT-69	06-NOV-81
4421	NE	11-OCT-68	23-MAR-79
4422	NE	10-OCT-69	17-JUN-94

	4425	NE	02-MAY-80	17-OCT-97
	4426	NE	18-MAR-88	
	4428	NE	06-OCT-78	
	4429	NE	04-JUN-93	
	4430	NE	02-OCT-81	21-MAY-93
	4432	NE	14-DEC-84	15-JUN-90
	4437	NE	17-MAY-91	
	4440	NE	18-JUL-80	
	4443	NC	16-JUN-67	
	4445	NC	17-JUN-49	07-DEC-79
	4446	NC	06-JAN-53	31-DEC-93
	4447	NE	09-NOV-84	
	4448	NE	27-APR-90	
	4449	NE	03-JUL-98	
	4450	NE	02-MAR-73	13-NOV-87
	L/C 4451	NE	27-MAR-87	15-JUL-88
	4452	NE	29-JUL-83	
	4453	NE	17-DEC-82	
	4454	NE	03-FEB-78	
	4455	NE	10-SEP-76	20-OCT-89
*	4456	NE	19-DEC-80	17-JUN-94
*	4459	NE	25-JUN-99	
	4460	NE	11-SEP-87	03-MAY-91
	L/C 4462	NE	28-JUN-85	06-JUN-97
	L/C 4463	NE	09-AUG-85	15-JUN-90
	L/C 4464	NE	11-OCT-85	15-JUN-90
	4466	NE	17-MAY-91	01-MAR-96
	4467	NE	21-MAR-69	01-MAR-96
	4468	NE	12-JUL-85	
	4469	NE	08-NOV-85	
	4470	NE	04-JAN-80	
	4471	NE	11-FEB-77	11-AUG-89
	4472	NE	14-AUG-81	
	4473	NE	25-NOV-77	
*	4474	NE	28-MAY-99	
	4483	NE	12-AUG-88	
	L/C 4485	NE	26-SEP-97	
*	L/C 4486	NE	19-FEB-99	
	4491	NC	06-MAY-66	01-FEB-80
	4492	NC	04-FEB-66	25-JUL-80
	4497	NE	30-JUL-71	12-OCT-79
	4498	NE	23-OCT-87	03-NOV-95
	4504	NE	14-FEB-64	23-JAN-76
	4505	NC	14-FEB-64	14-FEB-75
	4506	NC	28-FEB-64	25-JUN-82
	4507	NC	28-FEB-64	30-JAN-76
	4509	NC	05-DEC-69	21-JUL-78
	4510	NC	22-MAR-68	15-JUL-94
	4511	NC	10-JUL-64	17-OCT-80
	4512	NC	30-OCT-64	09-FEB-79
	4514	NE	23-OCT-81	29-SEP-89
	4515	NE	20-NOV-98	
	4516	NE	02-NOV-62	10-DEC-76
	4518	NC	18-OCT-51	26-JAN-79
	4519	NC	13-OCT-51	04-FEB-83
	L/C 4520	NE	02-JUN-95	
	4521	NE	04-JUN-65	08-SEP-78
	4522	NC	15-JUL-59	04-SEP-81
	4523	NC	27-MAR-64	13-JUN-75
	4524	NE	07-FEB-64	15-AUG-80
	4529	NE	30-SEP-88	
	4530	NE	11-MAR-83	17-APR-92
	4531	NC	24-MAY-74	14-MAR-97

	4535	NC	12-MAR-65	21-AUG-81
	4538	NE	26-MAR-76	
	4540	NC	10-OCT-57	26-JAN-79
	4541	NC	10-OCT-57	03-OCT-80
	4542	NE	09-SEP-66	23-JAN-76
	4543	NC	10-OCT-57	10-NOV-78
	L/C 4560	NE	14-MAR-86	25-DEC-92
	4582	NC	14-FEB-64	10-SEP-76
	4583	NC	16-JAN-61	02-JUL-82
	4584	NC	02-JAN-59	14-NOV-80
	4585	NC	02-JAN-59	29-AUG-80
	4587	NE	04-SEP-87	21-AUG-92
	4591	NC	02-JAN-59	18-AUG-78
	4592	NE	03-JUN-83	02-APR-93
	4593	NC	20-JAN-60	12-JUN-81
	4594	NC	02-JAN-59	14-FEB-92
	4595	NC	02-JAN-59	04-FEB-83
	4596	NC	02-JAN-59	09-JAN-81
	4597	NC	02-JAN-59	09-OCT-81
	4598	NE	21-JAN-83	
*	4615	NE	20-AUG-99	
	4616	NE	19-APR-91	17-OCT-97
	4617	NE	19-MAY-89	25-APR-97
*	4619	NE	20-NOV-98	
	L/C 4622	NE	25-APR-97	
	L/C 4624	NE	17-JAN-86	
	L/C 4625	NE	10-JAN-86	22-APR-88
	L/C 4626	NE	08-NOV-85	22-APR-88
	4633	NE	24-APR-87	21-APR-95
	4634	NE	14-JUL-95	
	4635	NE	24-JUN-83	28-NOV-97
	4637	NE	14-AUG-87	19-MAY-89
	4638	NC	20-SEP-55	12-DEC-80
	4639	NC	20-SEP-55	12-DEC-80
*	4640	NE	27-AUG-99	
	4641	NE	25-DEC-98	
	4642	NC	18-JAN-60	31-MAR-78
	4643	NE	03-MAY-85	15-MAY-92
*	4644	NC	25-JUN-99	
	4652	NE	31-OCT-80	
	4653	NE	12-MAR-76	24-MAR-95
	4654	NC	27-OCT-52	22-SEP-78
	4658	NC	08-MAY-70	15-FEB-80
	4659	NC	10-OCT-57	08-SEP-78
	4661	NC	20-SEP-55	23-JUN-89
	4663	NC	10-OCT-57	03-SEP-76
	4665	NC	10-OCT-57	08-MAY-81
	4666	NC	10-OCT-57	20-JUN-86
	4667	NE	08-OCT-65	13-AUG-76
	4668	NC	10-OCT-57	23-OCT-87
	4669	NC	10-OCT-57	29-MAR-85
	4670	NC	10-OCT-57	29-JUL-77
	4679	NE	31-DEC-76	04-JUN-82
	4680	NC	02-JAN-59	27-FEB-76
	4682	NC	19-OCT-62	01-MAY-87
	L/C 4700	NE	30-DEC-94	
	4701	NC	27-DEC-63	23-OCT-81
	4702	NC	17-JAN-64	28-SEP-90
	4703	NE	31-JAN-64	26-AUG-94
	4712	NC	21-FEB-64	01-FEB-74
	4722	NE	27-FEB-87	
	4724	NE	20-MAY-60	08-SEP-78
	4725	NC	09-JUN-53	28-AUG-81

4728	NE	16-JUN-95	
L/C 4730	NE	07-OCT-83	17-OCT-97
L/C 4731	NE	16-DEC-94	
4732	NE	27-DEC-68	22-FEB-80
4744	NC	22-FEB-63	27-NOV-81
4745	NC	17-MAY-63	09-OCT-87
4763	NC	01-FEB-63	26-JUL-85
4764	NC	01-FEB-63	09-NOV-90
4765	NC	29-NOV-63	26-APR-85
4766	NC	06-DEC-63	05-APR-96
4767	NC	06-DEC-63	06-JUL-90
4769	NE	19-SEP-75	03-MAY-85
4771	NE	02-JUL-76	29-JUL-83
4773	NC	29-NOV-63	29-DEC-78
4774	NC	24-JAN-64	19-MAR-82
L/C 4775	NE	09-SEP-83	02-MAY-97
L/C 4776	NE	08-JUL-83	
L/C 4817	NC	11-APR-86	
4830	NC	14-FEB-86	
L/C 4831	NC	26-DEC-86	
L/C 4832	NC	02-OCT-87	
4839	NC	27-MAR-92	
L/C 4841	NC	19-MAY-89	
L/C 4842	NE	03-MAR-89	
4843	NC	28-JAN-83	
L/C 4844	NC	01-FEB-85	25-MAR-94
L/C 4845	NE	12-SEP-97	
L/C 4846	NE	15-DEC-95	
L/C 4847	NE	05-JUL-96	
4848	NC	12-JUN-87	
4849	NC	30-DEC-88	
L/C 4850	NC	11-MAY-90	
L/C 4851	NE	04-APR-97	
4852	NC	02-DEC-94	
* L/C 4853	NE	30-JUL-99	
4854	NC	25-APR-97	
4855	NC	06-JUN-97	
* 4858	NC	25-DEC-98	
* 4863	NC	22-JAN-99	
4865	NC	30-JAN-98	
4885	NE	12-FEB-88	
4886	NC	26-DEC-97	
L/C 4905	NC	22-JUL-88	24-JUL-92
L/C 4906	NC	18-MAR-88	11-JUN-93
4909	NC	17-JUN-88	01-MAR-96
4911	NE	07-MAY-93	
4912	NE	04-JUN-93	
L/C 4913	NC	07-AUG-92	
4920	NE	18-SEP-98	
4921	NE	06-MAR-98	
L/C 4951	NC	04-JAN-91	
L/C 4952	NC	21-AUG-92	
4954	NE	20-JUN-97	
4955	NC	15-FEB-91	
4956	NC	23-NOV-90	
4957	NC	13-JUL-90	
4980	NC	03-JAN-92	
L/C 5001	NE	04-NOV-94	
5002	NC	25-JUL-75	
5003	NE	26-SEP-69	23-JUL-76
L/C 5023	NC	20-APR-90	
L/C 5030	NC	26-OCT-90	
5031	NC	04-JAN-91	

	5042	NC	24-FEB-84	
	5043	NC	29-JUN-84	
	5044	NC	10-JUN-83	
	5045	NC	01-JUL-83	
	5046	NC	13-JAN-84	
	5047	NC	17-AUG-84	
	5048	NC	07-AUG-87	
	5049	NC	08-APR-88	
	5051	NC	07-JUN-96	
	5052	NC	25-APR-97	
*	5070	NE	20-NOV-98	
	5080	NC	03-OCT-97	
	5133	NC	10-OCT-69	14-MAY-82
	5134	NC	11-AUG-67	16-MAR-73
	5135	NC	11-AUG-67	19-FEB-88
	5138	NE	17-APR-98	
	5140	NC	15-NOV-63	20-OCT-78
	5143	NE	02-MAY-86	
*	5153	NC	15-OCT-76	
	5179	NC	28-AUG-64	12-JUN-81
	5300	NC	25-NOV-66	25-NOV-77
	5316	NC	24-AUG-61	25-JAN-80
	5335	NC	15-MAR-85	
	5338	NC	06-JUN-86	
	5340	NC	19-APR-63	14-DEC-79
	5348	NE	05-NOV-76	
	5349	NC	05-MAR-58	03-MAR-78
	5351	NC	24-FEB-56	25-MAR-83
	5352	NE	08-JUL-60	16-MAY-80
	5365	NC	26-SEP-69	25-AUG-89
	5373	NC	15-FEB-85	
	5374	NC	17-JAN-86	
	5375	NC	28-FEB-86	
	5376	NC	22-MAR-85	
	5390	NC	17-MAY-68	04-NOV-88
	5391	NC	17-MAY-68	18-FEB-83
	5396	NC	01-JUN-60	26-SEP-75
	5397	NC	04-NOV-60	18-NOV-83
	5398	NE	04-SEP-81	
	5399	NE	04-SEP-81	
	5400	NE	19-DEC-60	23-APR-82
	5403	NE	04-FEB-87	
	5405	NC	26-DEC-51	25-MAR-88
	5410	NE	25-MAR-77	19-MAR-93
	5411	NE	04-JUN-58	30-JAN-81
	5412	NE	23-FEB-68	27-APR-84
	5414	NE	06-AUG-37	10-OCT-80
	5427	NC	11-JUN-59	31-OCT-80
	5440	NE	01-NOV-74	06-FEB-81
	5449	NE	15-AUG-86	
	5450	NE	22-MAY-70	29-JUL-77
	5451	NE	05-NOV-65	22-MAR-85
	5452	NC	16-DEC-54	05-FEB-82
	5455	NE	15-FEB-61	15-DEC-78
	5456	NE	26-MAY-72	12-JUN-81
	5457	NE	04-SEP-98	
	5458	NE	08-MAR-63	10-NOV-78
	5459	NC	26-JAN-53	06-FEB-81
	5464	NC	16-DEC-54	07-MAY-82
	5467	NC	18-MAR-55	29-JUN-90
	5468	NC	18-MAR-55	04-SEP-81
	5469	NC	18-MAR-55	12-NOV-82
	5471	NE	12-MAY-67	04-DEC-81

5476	NE	03-JUL-59	15-JUN-73
5510	NE	11-JAN-80	
5512	NC	18-DEC-87	
5533	NE	11-MAR-77	
5620	NE	21-JUN-91	
5621	NE	26-APR-91	
5622	NE	27-DEC-91	
5623	NE	08-NOV-91	
5624	NE	26-APR-91	
5625	NE	10-JUL-92	
5626	NC	08-AUG-86	
5628	NC	08-AUG-97	
5640	NC	22-APR-94	
5705	NE	13-MAY-83	
5706	NE	24-JUN-83	
5707	NE	28-JAN-83	
5720	NC	22-APR-94	
5800	NE	19-JUL-74	22-MAR-91
5801	NE	24-MAY-74	
5860	NE	30-SEP-66	14-MAY-76
5861	NE	30-SEP-66	14-MAY-76
6021	NE	23-MAY-86	
6022	NE	23-MAY-86	
6023	NE	26-FEB-88	30-JUN-95
6026	NC	17-SEP-76	
6028	NC	15-JAN-71	
6030	NC	14-AUG-87	
6035	NC	20-NOV-87	
6036	NC	28-AUG-87	
6037	NC	13-NOV-87	19-SEP-97
6038	NC	11-SEP-87	
6050	NE	01-AUG-86	10-APR-92
6100	NC	15-MAY-87	
6101	NC	10-APR-64	
6105	NE	20-JAN-89	
6106	NE	21-JUN-91	
6107	NE	10-JUN-83	05-JUN-92
6108	NE	28-JAN-83	
6109	NE	30-MAR-90	15-DEC-95
6110	NE	24-FEB-89	
6111	NE	11-MAR-83	25-MAR-94
6112	NC	06-FEB-70	22-NOV-91
6201	NE	16-MAR-73	
6205	NC	30-JUN-95	06-OCT-95
6206	NE	02-APR-82	21-FEB-92
6207	NE	02-APR-82	
6209	NC	04-SEP-70	29-OCT-93
6211	NC	26-AUG-88	21-APR-95
6212	NE	12-NOV-82	28-JUL-89
6213	NE	10-AUG-84	07-JUL-89
6214	NC	18-MAR-77	08-MAY-92
6215	NC	01-JUL-77	28-FEB-92
6216	NC	02-APR-82	12-FEB-93
6217	NC	18-JUN-76	13-NOV-92
6218	NE	11-MAR-88	
6240	NE	15-DEC-95	28-MAY-82
6241	NE	06-AUG-57	01-MAY-92
6242	NE	13-JUN-80	17-NOV-95
6243	NE	10-DEC-71	
6247	NE	19-FEB-93	06-OCT-95
6248	NC	04-MAY-34	
6249	NE	29-MAR-85	05-APR-96
6251	NE	18-JUL-86	

	6258	NC	30-DEC-88	
	6259	NC	23-FEB-90	
	6260	NC	06-JAN-89	
	6263	NC	14-APR-89	
	6264	NC	14-APR-89	28-AUG-81
	6267	NC	09-JUL-65	
	6268	NE	15-JUN-62	11-MAR-77
	6269	NE	04-NOV-60	
	6270	NE	09-NOV-73	
	6271	NE	07-SEP-73	
	6272	NE	14-SEP-73	
	6273	NE	28-SEP-73	
	6274	NE	07-SEP-73	25-MAR-88
	6281	NE	29-JAN-82	
	6285	NC	03-JUN-88	
	6286	NC	25-NOV-88	
	6287	NC	11-JUN-82	
	6301	NE	03-MAY-96	
	6302	NE	20-APR-73	17-FEB-78
	6310	NE	04-MAY-73	
	6311	NC	17-AUG-62	
	6321	NC	15-MAY-57	
	6322	NC	15-MAY-57	
	6341	NE	14-JAN-91	
	6354	NC	09-NOV-50	
	6355	NE	09-FEB-72	
	6356	NC	30-OCT-49	13-APR-73
	6357	NC	28-FEB-50	28-JAN-72
	6358	NE	18-MAY-49	
	6359	NE	24-MAY-68	
	6360	NC	17-APR-48	06-AUG-76
	6368	NC	16-JUN-58	
	6369	NE	24-MAY-85	
	6370	NE	03-AUG-90	
	6371	NE	01-MAR-74	
	6390	NE	08-FEB-80	
	6408	NE	13-FEB-87	
	6409	NE	02-APR-93	
*	6410	NE	30-APR-99	
*	6411	NE	30-APR-99	
*	6412	NE	30-APR-99	
*	6413	NE	30-APR-99	
*	6414	NE	30-APR-99	
*	6415	NE	30-APR-99	
*	6416	NE	30-APR-99	
*	6417	NE	30-APR-99	
*	6418	NE	30-APR-99	
*	6419	NE	30-APR-99	
*	6420	NE	30-APR-99	
*	6421	NE	30-APR-99	
*	6422	NE	30-APR-99	
*	6423	NE	30-APR-99	
*	6424	NE	30-APR-99	
*	6425	NE	30-APR-99	
*	6426	NE	30-APR-99	
*	6427	NE	30-APR-99	
*	6428	NE	30-APR-99	
	6429	NE	17-JUN-94	
	6430	NE	01-APR-88	
*	6431	NE	30-APR-99	
	6432	NE	02-JUN-95	
	6433	NE	02-MAR-84	
	6434	NE	20-FEB-87	

	6435	NE	20-FEB-87	
	6436	NE	31-MAY-91	
	6437	NE	02-MAR-84	
	6438	NE	02-APR-93	
	6439	NE	02-MAR-84	
	6440	NE	02-MAR-84	
	6441	NE	20-FEB-87	
	6451	NE	17-JUN-94	
*	6452	NE	30-APR-99	
*	6453	NE	30-APR-99	
	6454	NC	15-MAY-87	
	6455	NC	15-MAY-87	
	6455_SUPP	NE	01-JAN-89	
	6505	NC	05-APR-85	28-FEB-86
	6506	NC	12-APR-85	21-FEB-86
	6730	NC	26-DEC-69	16-MAR-79
	7000	NC	05-MAR-82	
	7010	NE	12-JAN-79	04-MAR-88
	L/C 7011	NE	02-SEP-83	
	7050	NE	03-FEB-89	
	7051	NE	14-DEC-73	08-AUG-86
	7052	NE	10-JUN-66	19-JUL-85
	7053	NE	10-APR-70	08-APR-94
	7065	NE	31-MAY-63	30-DEC-83
	7066	NE	21-JUN-63	30-AUG-85
	7067	NE	30-APR-71	18-MAY-90
	7071	NE	31-JUL-64	08-SEP-78
	7072	NE	30-APR-71	25-JUL-97
	7082	NE	20-MAY-66	27-APR-84
	7083	NE	15-JUN-84	
	7103	NE	05-AUG-77	
	7121	NE	17-NOV-72	06-OCT-89
	7122	NE	19-OCT-62	06-SEP-85
	7125	NE	20-APR-60	26-SEP-80
	7126	NE	08-MAR-54	13-AUG-93
	7127	NE	27-MAY-83	14-DEC-84
	7134	NC	23-JUL-93	
	7135	NE	07-MAR-58	14-DEC-79
	7136	NC	23-JUL-93	
	7150	NE	09-JUL-65	01-OCT-82
	7170	NE	18-APR-75	23-DEC-83
	7171	NE	15-APR-60	08-SEP-78
	7180	NE	11-AUG-78	
	7181	NC	22-FEB-63	04-MAY-84
	7184	NC	10-JUL-64	16-DEC-77
	7185	NE	08-APR-60	27-APR-84
	7193	NC	10-MAY-63	10-MAR-78
	7194	NE	20-MAR-81	
	7195	NC	23-JUL-93	
	7212	NE	11-JAN-85	
	7220	NE	02-NOV-79	16-MAR-84
	7292	NC	30-JAN-62	27-SEP-85
	7302	NE	18-AUG-78	09-NOV-90
	7304	NC	17-FEB-78	06-SEP-85
	7310	NC	11-JUL-86	
	7371	NE	14-DEC-73	27-MAR-81
	7404	NE	17-MAY-63	02-SEP-83
	7405	NE	01-OCT-82	
	7411	NE	13-APR-73	29-SEP-89
	7430	NE	21-MAY-76	07-OCT-83
	7465	NE	28-FEB-57	02-AUG-91
	7481	NC	21-AUG-92	
	7482	NC	21-AUG-92	

7485	NC	17-MAR-89	
7486	NC	10-FEB-89	
7487	NC	10-JUL-87	
7488	NC	08-MAR-91	
7489	NC	28-AUG-92	
7502	NE	31-JUL-98	
7511	NE	29-DEC-89	
7512	NC	05-JUL-85	
7520	NC	01-JUN-84	
7521	NC	01-JUN-84	
7527	NE	12-APR-74	27-SEP-85
7540	NC	07-JAN-83	
7552	NE	27-MAR-98	
7565	NC	04-OCT-96	
7566	NC	22-JUN-90	
7568	NC	05-JUL-85	
7569	NC	05-JUL-85	
7570	NC	02-MAY-86	
7571	NC	11-APR-86	
7572	NC	02-MAY-86	
7575	NC	06-MAR-92	
7578	NC	27-JAN-95	
7600	NC	26-JUL-85	
7608	NE	04-JUN-76	04-MAR-83
7620	NC	02-MAY-97	
7621	NC	02-MAY-97	
7646	NE	02-FEB-73	28-NOV-80
7661	NC	14-MAR-86	
7662	NE	19-JUL-91	
7663	NE	25-APR-97	
7664	NC	28-FEB-86	
7665	NC	13-JUN-86	
7666	NC	28-FEB-86	
7667	NC	14-MAR-86	
7668	NC	18-MAY-90	
7669	NC	18-MAY-90	
7685	NC	28-FEB-86	
7686	NC	27-MAR-81	19-JAN-90
7687	NC	05-AUG-83	
7710	NE	13-JUN-97	
7725	NE	22-JUN-84	
7731	NE	25-MAY-84	
7733	NE	19-MAR-71	08-FEB-80
7735	NE	14-AUG-70	18-NOV-83
7740	NE	30-MAY-97	
7750	NE	13-JUN-97	
7760	NC	03-MAY-68	19-AUG-83
7770	NE	27-AUG-71	04-JUL-80
7776	NE	30-MAY-97	
7777	NE	30-MAY-97	
7778	NE	13-JUN-97	
7779	NE	13-JUN-97	
7780	NC	06-JUL-90	
7781	NC	06-JUL-90	
7782	NE	13-JUN-97	
7783	NE	13-JUN-97	
7784	NC	03-JUL-98	
7830	NE	02-MAR-84	
7832	NE	19-FEB-71	06-MAR-81
7920	NE	27-APR-84	23-MAY-86
7930	NE	18-MAY-84	
7935	NE	21-JUN-85	
7940	NE	27-APR-79	20-SEP-85

7941	NC	05-JAN-73	14-MAR-86
7950	NE	03-MAY-85	
7951	NE	24-FEB-84	
7952	NE	17-MAR-72	27-JUL-84
7953	NE	05-APR-96	
7954	NC	17-MAY-74	17-JUN-83
7980	NC	16-JAN-87	
L/C 8005	NE	07-DEC-84	02-MAY-97
L/C 8006	NE	05-AUG-88	
L/C 8007	NE	19-AUG-88	
L/C 8010	NE	01-AUG-86	26-MAY-89
L/C 8011	NE	30-DEC-94	
L/C 8012	NE	04-NOV-94	
L/C 8013	NE	04-NOV-94	
L/C 8014	NE	18-NOV-94	
L/C 8015	NE	16-DEC-94	
L/C 8046	NE	07-OCT-83	
L/C 8047	NE	07-OCT-83	06-DEC-85
L/C 8048	NE	30-DEC-94	
L/C 8049	NE	30-DEC-94	
C-2	NE	01-JAN-99	
C-4	NE	01-JAN-99	
(AMA8035-10-35)		(DFO-H99-117)	

***1918 NEWFOUNDLAND, NORTHEAST COAST - TRINITY BAY - CATALINA HARBOUR - Buoy.**

Chart (Last correction) - 4849(Inset, CatalinaHarbour)(NAD 83)(1)(926/99)

1. Replace	red spar buoy TC14 with a red lighted spar buoy FI R, marked TC14	48°30'58".6 N 53°04'22".2 W
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NOTE: Digital data products 4849R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N99-014, DFO-A99-074)

***1939 NEWFOUNDLAND - AVALON PENINSULA - PORTUGAL COVE - Light.**

Charts (Last correction) - LC 4844(NAD 27)(1,2)(2122/98) - LC 4817(NAD 27)(2,3)(1737/98) - LC 4016(NAD 27)(4)(1511/99) - LC 4017(NAD 27)(4,5)(2332/98)

Reference: Notice 522(P)/94 cancelled.

1. Delete	Fog Sig 60s	46°42'10" N 53°15'35" W
2. Add	light Q R, Fog Sig 60s	46 42 17 N 53 15 40 W
3. Delete	Fog Sig Occas	46 42 10 N 53 15 35 W
4. Add	light Q R	46 42 17 N 53 15 40 W
5. Reposition	Fog Sig	from 46 42 17 N 53 15 30 W to 46 42 17 N 53 15 40 W

NOTE: Digital data products 4016R/M, 4017R/M, 4817R/M, 4844R/M, 76075(4817), 76092(4017), 76106(4844) and 76274(4016) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-2)

(CCG-N99-031, DFO-A99-081)

***1955 NEWFOUNDLAND, NORTHEAST COAST - HAMILT ON SOUND - MUSGRAVE HARBOUR - LITTLE SELDOM COVE AND SELDOM COVE - Buoys.**

Chart (Last correction) - 4530(NAD 27)(1-4)(1339/99)

1. Replace	green spar buoy JM3 with green lighted spar buoy FI G, marked JM3	49°27'32".8 N 53°57'11".1 W
2. Reposition	green spar buoy JM5	from 49 27 29.5 N 53 57 28.1 W to 49 27 31.2 N 53 57 31.2 W
3. Add	North Cardinal light buoy BY Q, marked DDS	49 35 21 N 54 12 15 W
4. Add	green light buoy FI G, marked DD3	49 35 40.8 N 54 10 39 W

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

(AMA8035-10-5-2)

(CCG-N99-006,042,050,053, DFO-A99-084)

***1920 NEWFOUNDLAND, SOUTH COAST - PLACENTIA BAY - RED ISLAND HARBOUR AND FAIR HAVEN - Buoys.**

Chart (Last correction) - 4617(NAD 27)(1-4)(286/97)

- | | | |
|------------|--|-------------------------|
| 1. Replace | green spar buoy ER1 with green lighted spar buoy FI G, marked ER1 | 47°23'45" N 54°08'47" W |
| 2. Replace | green spar buoy ER3 with green lighted spar buoy FI G, marked ER3 | 47 23 54 N 54 08 53 W |
| 3. Replace | green spar buoy ER5 with green lighted spar buoy FI G, marked ER5 | 47 23 54 N 54 09 06 W |
| 4. Replace | green spar buoy PFH3 with green lighted spar buoy FI G, marquée PFH3 | 47 31 42 N 53 54 08.5 W |

NOTE: Digital data products 4617R/M and 76300(4617) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N99-022,023,024,077, DFO-A99-076)

***1922 NEWFOUNDLAND, SOUTH COAST - PLACENTIA BAY - FLAT ISLANDS - Buoys.**

Chart (Last correction) - LC 4624(1,2)(111/99)

- | | | |
|------------|--|-------------------------|
| 1. Replace | red conical buoy PF2 with red lighted spar buoy FI R, marked PF2 | 47°16'13" N 54°57'23" W |
| 2. Replace | east cardinal spar buoy PFD with red lighted spar buoy FI R, marked PFD2 | 47 15 59 N 54 55 36 W |

NOTE: Digital data products 4624R/M and 76176(4624) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N99-026,027, DFO-A99-079)

***1964 NEWFOUNDLAND, SOUTH COAST - LITTLE ST. LAWRENCE HARBOUR - Chart amendments.**

Chart (Last correction) - 4642(Plan, St. LawrenceHarbour)(1,2)(740/96)

On certain copies

1. Replace red conical buoy PW2 with red lighted spar buoy FI R, marked PW2 46°55'06".7 N 55°21'38".6 W

2. Add coast radio station and legends R, RT 46 55 42 N 55 22 49.5 W

NOTE: Digital data products 4642R/M and 76208(4642) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N99-029, DFO-A99-080)

***1963 NEWFOUNDLAND, SOUTH COAST - GREAT LAWN HARBOUR - VESTAL ROCK - Buoy.**

Chart (Last correction) - LC 4625(NAD 27)(1)(740/96)

1. Replace red conical buoy PK4 with red lighted spar buoy FI R, marked PK4 46°54'30" N 55°32'45" W

NOTE: Digital data products 4625R/M and 76164(4625) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-2)

(CCG-N99-028, DFO-A99-092)

***1959 NEWFOUNDLAND, SOUTH COAST - HERMITAGE - PENGUIN ISLANDS - LOWER ROCK - WATCH ROCK - TOM COD ROCK AND FISH ROCK - Buoys and light.**

Charts (Last correction) - 4633(1-6)(576/97) - LC 4015(NAD 27)(5-10)(1338/99) - LC 4016(NAD 27)(9)(1939/99) - LC 4002(NAD 27)(10)(334/99) - LC 4001(Int. 404)(NAD 83)(10)(1130/99)

1. Add red spar buoy, marked V26 47°30'09" N 56°12'23" W (approx.)

2. Add south cardinal spar buoy, marked QLC 47 34 42.6 N 56 39 45 W

3. Delete east cardinal light and bell buoy QLE 47 23 09 N 56 57 18 W

4. Add north cardinal light and whistle buoy Q, WHIS, marked QLE 47 23 33 N 56 57 33 W

5. Delete green light and bell buoy, Q25 47 23 17 N 56 50 42 W

6. Add north cardinal light and whistle buoy Q, WHIS, marked QLB 47 23 17 N 56 50 42 W

7. Delete east cardinal light and bell buoy 47 23 20 N 56 56 50 W

8. Add north cardinal light and whistle buoy Q, WHIS 47 23 54 N 56 57 00 W (approx.)

9. Add light FI R 47 33 34.8 N 55 55 45 W

10. Add ODAS/SADO light buoy FI(5) Y, marked 44255 47 16 55 N 57 21 06 W

NOTE: Digital data products 4001R/M, 4002R/M, 4015R/M, 4016R/M, 76030(4001), 76154(4633), 76274(4016), 76284(4015) and 79076(4002) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9; 7-9)

(CCG-N98-080,081,101,162,173,175,278, DFO-A98-075)

***1966 NEWFOUNDLAND, SOUTH COAST - PORT AUX BASQUES - Chart amendment.**

Chart (Last correction) - 4641(NAD 83)(1,2)(NewEdn., Dec./98)

1. Add	abandoned submarine cable	joining	47°34'39".2 N 59°08'07"8 W
			47 34 40.6 N 59 07 55.6 W
			47 34 38.4 N 59 07 54.5 W
			47 34 36.9 N 59 07 54.1 W
			47 34 35.8 N 59 07 54.9 W
			47 34 34.3 N 59 07 56.2 W
		and	47 34 34 N 59 07 56.2 W
2. Add	abandoned submarine cable	joining	47 33 29.8 N 59 06 36.8 W
		and	47 32 45.0 N 59 06 26.7 W

NOTE: Digital data products 4641R/M and 76304(4641) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-A99-089)

***1921 LABRADOR COAST - LABRADOR SEA - THE HORSES - Light.**

Chart (Last correction) - 5051(NAD 83)(1)(1310/99)

On certain copies

1. Amend	Fl R to read 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.

(AMA8035-10-35)

(DFO-H99-101)

***1933 CAPE BRETON ISLAND, WEST COAST - PLEASANT BAY - Buoy.**

Charts (Last correction) - LC 4464(NAD 27)(1)(505/92) - LC 4022(NAD 27)(1)(328/99)

1. Replace	green light buoy VC1 with red and white fairway light buoy Mo(A), BELL, marked VC	46°50'30" N 60°48'20" W
------------	---	-------------------------

NOTE: Digital data products 4022R/M, 4464R/M and 76271(4022) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G99-030, DFO-A99-073)

***1904 CAPE BRETON ISLAND - CHEDABUCTO BAY - GREEN ISLAND - Fog signal.**

Charts (Last correction) - 4307(NAD 27)(1)(662/96) - 4308(NAD 27)(2)(88/97) - LC 4335(NAD 83)(3)(1502/99) - LC 4013(NAD 27)(4)(1137/99)

- | | | |
|-----------|-----------------|---------------------------|
| 1. Delete | Fog Sig (3) 60s | 45°28'42" N 60°53'59".5 W |
| 2. Delete | Fog Sig (3) 60s | 45 28 41 N 60 53 59.5 W |
| 3. Delete | Fog Sig (3) 60s | 45 28 41.2 N 60 53 57.6 W |
| 4. Delete | Fog Sig | 45°28'41" N 60°54'00" W |

NOTE: Digital data products 4013R/M, 4307R/M, 4308R/M, 4335R/M, 76180(4335), 76204(4013) and 76277(4307) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-21)

(CCG-G99-038, DFO-A99-072)

***1936 GULF OF ST. LAWRENCE - ÎLES DE LA MADELEINE - GRANDE-ENTRÉE - Chart amendment.**

Chart (Last correction) - LC 4951(NAD 83)(1)(1746/99)

- | | | |
|------------|--|-----------------------------|
| 1. Replace | 3 metres 3 decimetres with
13 metres 3 decimetres | 47°30'53".2 N 61°26'38".9 W |
|------------|--|-----------------------------|

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

(AMA8035-10-35)

(DFO-Q99-085)

***1937 NORTHUMBERLAND STRAIT - PICTOU HARBOUR - OFF PICTOU LANDING - Buoy.**

Chart (Last correction) - 4437(NAD 27)(1)(800/93)

- | | | | |
|---------------|-----------------------|------|---------------------------|
| 1. Reposition | green light buoy SJ11 | from | 45°40'47".8 N 62°40'42" W |
| | | to | 45 40 52 N 62 40 46 W |

NOTE: Digital data products 4437R/M and 76246(4437) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G99-031, DFO-A99-068)

***1901 NORTHUMBERLAND STRAIT - PUGWASH HARBOUR - Buoy.**

Chart (Last correction) - 4498(Inset,Pugwash Harbour)(NAD 27)(1)(Reprint Nov./95)

- | | | |
|--------|------------------------------|-----------------------------|
| 1. Add | red spar buoy, marked UK16.2 | 45°51'49".6 N 63°40'40".4 W |
|--------|------------------------------|-----------------------------|

NOTE: Digital data products 4498R/M and 76184(4498) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-5-6)

(CCG-G99-034, DFO-A99-070)

***1900 CHALEUR BAY - CAP D'ESPOIR AND CARAQUET - Chart amendments.**

Chart (Last correction) - 4486(NAD 83)(1,2)(1322/99)

- | | | |
|-----------|-----------------------------------|---------------------------|
| 1. Delete | church spire and elevation, (230) | 48°25'36".5 N 64°19'58" W |
| 2. Delete | Q | 47 48 12 N 64 54 30 W |

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

(AMA8035-10-35)

(DFO-A99-057)

***1902 GULF OF ST. LAWRENCE - MIRAMICHI BAY - ESCUMINAC WHARF - Lights.**

Chart (Last correction) - 4911(NAD 83)(1,2)(764/99)

Reference: Notice 1161(P)/98 cancelled.

- | | | |
|-----------|-----------|---------------------------|
| 1. Delete | light Q G | 47°04'55".1 N 64°53'14" W |
| 2. Delete | light Q R | 47 04 53.9 N 64 53 13.2 W |

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

(AMA8035-10-7-6)

(CCG-G99-036,037, DFO-A99-071)

***1960 CHALEUR BAY - CARAQUET HARBOUR - CARAQUET CHANNEL AND BELLEDUNE - Buoys.**

Charts (Last correction) - 4920(Plan,Quai/Wharf Belledune)(NAD 83)(1)(1515/99) - LC 4913 (NAD 83)(2-5)(1515/99)

- | | | |
|---------------|---|--|
| 1. Add | orange and white lighted mooring buoy FI Y (Priv) | 47°54'39".1 N 65°50'18".8 W |
| 2. Reposition | green light buoy EM7 | from 47 50 19.2 N 64 47 33.6 W
to 47 50 16.5 N 64 47 37.4 W |
| 3. Reposition | red light buoy EM8 | from 47 49 57.2 N 64 48 11.6 W
to 47 49 56.6 N 64 48 08 W |
| 4. Add | red light buoy FI R, marked EM18 | 47 48 28.4 N 64 52 14.3 W |
| 5. Reposition | red light buoy EM20 | from 47 48 26.6 N 64 52 28.6 W |

to 47 48 25.1 N 64 52 39.6 W

NOTE: Digital data products 4913R/M, 4920R/M, 76268(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-G97-062-065, DFO-A99-085)

***1954 BAY OF FUNDY - SAINT JOHN HARBOUR - Light.**

Chart (Which was temporarily affected) - 4117(NAD 83)

Reference: Notice 1507(T)/98 cancelled.

(AMA8035-10-35)

(DFO-A99-093)

***1919 BAY OF FUNDY - ST. JOHN RIVER - HAMPSTEAD - Light.**

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

1. Delete light F G 45°37'30".6 N 66°05'01".8 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.

(AMA8035-10-7-7)

(CCG-F99-043, DFO-A99-078)

***1940(T) BAY OF FUNDY - ST. JOHN RIVER - OFF GRIMROSS ISLAND - Buoy established temporarily.**

Chart (Temporarily affected) - 4142(Sheet 1)(Evandale to/à Ram Island)(NAD 83)(1)

1. Green spar buoy, marked H11/5 45°50'09".8 N 66°11'11".9 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-F99-099, DFO-A99-088)

***1965 UNITED STATES, EAST COAST - GULF OF MAINE - Unexploded ordnance.**

Chart (Last correction) - LC 4003(NAD 27)(1,2)(1508/99)

Reference: Notices 706/98 and 1908/98.

On certain copies

1. Add DANGER Unexploded 42°42'00" N 69°09'00" W (approx.)
Ordnance/Explosifs non éclatés

2. Add DANGER Unexploded 42 40 00 N 68 59 00 W (approx.)
Ordnance/Explosifs non éclatés

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

(AMA8035-10-35)

(DFO-H99-116)

***1935 ST. LAWRENCE RIVER - ÎLE VERTE - Light.**

Chart (Last correction) - LC 1235(NAD 83)(1)(2340/98)

1. Delete Priv 48°02'22".4 N 69°24'22".7 W

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

(AMA8035-10-7-9)

(CCG-L99-081, DFO-Q99-086)

***1903 ST. LAWRENCE RIVER - LA MALBAIE - POINTE-AU-PIC - Shoal depth.**

Chart (Last correction) - LC 1234(Inset, LaMalbaie - Pointe-au-Pic)(NAD 83)(1)(1104/99)

1. Replace 5 metres 6 decimetres with 2 47°37'24" N 70°08'19".3 W
metres 4 decimetres

NOTE: Digital data products 1234R/M and 79032(1234) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-080)

***1957 QUÉBEC - RIVIÈRE SAGUENAY - CHICOUTIMI - Buoy.**

Chart (Last correction) - 1209(NAD 27)(1)(704/99)

1. Replace green pillar buoy S65 with green 48°26'12".9 N 71°01'38".8 W
lighted pillar buoy FI G, marked S65

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

(AMA8035-10-5-9)

(CCG-L99-077, DFO-Q99-089)

***1905 ST. LAWRENCE RIVER - BEAUMONT - Shoal depths.**

Chart (Last correction) - 1317(Continuation A)(NAD 83)(1-3)(511/99)

1. Add 12 metres 5 decimetres 46°50'36".5 N 71°05'51".5 W

- | | | |
|--------|------------------------|---------------------------|
| 2. Add | 14 metres 6 decimetres | 46 50 37.6 N 71 05 00.8 W |
| 3. Add | 11 metres 9 decimetres | 46 50 50.6 N 71 03 55.3 W |

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

(AMA8035-10-35)

(DFO-Q99-084)

***1956 QUÉBEC - RIVIÈRE DES PRAIRIES - LAVAL - Buoys.**

Chart - 1509(Compartment E-F)(NAD 83)(1-3)

- | | | |
|------------|--|---------------------------|
| 1. Add | green spar buoy, marked MC3 | 45°42'00" N 73°31'03".6 W |
| 2. Replace | red spar buoy MC4 with red lighted spar buoy Q R, marked MC4 | 45 42 02.1 N 73 31 19.5 W |
| 3. Delete | bifurcation lighted buoy Jésus | 45 42 02.1 N 73 31 12.2 W |

NOTE: Digital data products 1509R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-9)

(CCG-L99-073-075, DFO-Q99-087)

***1958 ST. LAWRENCE SEAWAY - LAC SAINT-LOUIS - ÎLE SAINT-BERNARD - Light.**

Chart (Last correction) - 1410(NAD 83)(1)(NewEdn., June/99)

- | | | |
|-----------|-------|-----------------------------------|
| 1. Delete | light | 45°23'03" N 73°46'35" W (approx.) |
|-----------|-------|-----------------------------------|

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

(AMA8035-10-7-9)

(CCG-L99-078-DFO-Q99-090)

***1934(P) ST. LAWRENCE SEAWAY - LAC SAINT-LOUIS - ÎLE DOWKER - Shoal depths.**

Charts (Which will be affected) - 1410(NAD 83)(1-3) - 1510(Sheet 1)(Compartment A-B)(Carillon au Lac Saint-Louis)(NAD 27)(4)

- | | | |
|------------|--------------------|---------------------------|
| 1. Add | 8 feet | 45°24'18" N 73°54'05".3 W |
| 2. Add | 8 feet | 45 24 16 N 73 54 08.3 W |
| 3. Replace | 7 feet with 3 feet | 45 24 16 N 73 54 05.7 W |
| 4. Add | 3 feet | 45 24 15.8 N 73 54 07.1 W |

NOTE: (1) Chart patches for charts 1410 and 1510 incorporating the above changes will be available at a later date.

- (2) Digital data products 1410R/M, 1510R/M and 79045(1410) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-Q99-083)

***1906 ST. LAWRENCE RIVER - CANADIAN MIDDLE CHANNEL - INDIAN I SLAND - Buoys.**

Chart (Last correction) - 1436(NAD 83)(1,2)(532/99)

Reference: Notice 2172(P)/98.

- | | | |
|-----------|---------------------|---------------------------|
| 1. Delete | green spar buoy U15 | 44°24'58".5 N 75°52'58" W |
| 2. Add | red spar buoy U16 | 44 24 59 N 75 53 03 W |

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

(AMA8035-10-5-14)

(CCG-B99-035,038, DFO-C99-118)

***1930 ST. LAWRENCE RIVER - CANADIAN MIDDLE CHANNEL - Buoys .**

Charts (Last correction) - 1437(NAD 83)(2,5)(1134/98) - 1438(NAD 83)(1-9)(945/98)

Reference: Notices 956(P)/98 and 2172(P)/98.

Notice 2346(P)/98 cancelled.

- | | | |
|---------------|--|--|
| 1. Delete | green light buoy PV5 | 44°14'27" N 76°11'05" W |
| 2. Delete | green spar buoy H29 | 44 17 56.5 N 76 07 04 W |
| 3. Delete | red spar buoy H30/2 | 44°18'07" N 76°0'43" W |
| 4. Delete | red spar buoy H30/4 | 44 18 01.5 N 76 07 58 W |
| 5. Reposition | green spar buoy J5/1 | from 44 19 28 N 76 07 42 W
to 44 19 27 N 76 07 42 W |
| 6. Delete | red spar buoy J6 | 44 19 29.5 N 76 08 48 W |
| 7. Replace | red spar buoy J18 with red spar buoy, marked J16 | 44 18 11 N 76 11 32.5 W |
| 8. Delete | red spar buoy JD2 | 44 19 28 N 76 09 33 W |
| 9. Delete | spar buoy JEB | 44 19 04 N 76 09 41 W |

NOTE: Digital data products 1437R/M, 1438R/M, 73025(1438) and 73034(1437) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-006,037,039-045, DFO-C99-129)

***1916 ST. LAWRENCE RIVER - CANADIAN MIDDLE CHANNEL - Buoy.**

Charts (Last correction) - 2017(NAD 83)(1)(1907/99) - 1439(NAD 83)(1)(1907/99)

Reference: Notice 2172(P)/98.

1. Delete green spar buoy H45 44°12'51" N 76°25'57".5 W

NOTE: Digital data products 1439R/M, 2017R/M, 73036(1439) and 73118(2017) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-007, DFO-C99-130)

***1907 ST. LAWRENCE RIVER - SNAKE IS LAND - Buoy.**

Charts (Last correction) - 2017(NAD 83)(1)(303/99) - 2018(NAD 83)(1)(303/99) - 1439(NAD 83)(1)(1124/98) - LC 2064(NAD 83)(2)(NewEdn., March/99)

Reference: Notice 2170(P)/98.

1. Reposition green light buoy, marked K5 from 44°11'48" N 76°33'00" W
to 44 11 58 N 76 32 51 W

2. Reposition green light buoy, marked K5 from 44 11 58 N 76 32 42 W
to 44 11 58 N 76 32 51 W

NOTE: Digital data products 1439R/M, 2017R/M, 2018R/M, 2064R/M, 73036(1439), 73037(2018), 73038(2018), 73063(2064) and 73118(2017) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-005, DFO-C99-123)

***1925 LAKE ONTARIO - LOWER GAP TO ADOLPHUS REACH - Buoys.**

Charts (Last correction) - 2017(NAD 83) (1916/99) - 2018(NAD 83) (1,2) (1907/99) - 2006(NAD 27) (1702/98)

Reference: Notice 2170(P)/98.

1. Delete green spar buoy KU1 44°07'02" N 76°49'50" W

2. Replace red spar buoy KV2 with east cardinal spar buoy, markedKV 44 13 25 N 76 37 39 W

NOTE: Digital data products 2006R/M, 2017R/M, 2018R/M, 73037(2018), 73038(2018), 73039(2006) and 73118(2017) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-004,049, DFO-C99-121)

***1938(P) LAKE ONTARIO - BAY OF QUINTE - Buoys.**

Chart (Which will be affected) - 2069(NAD 27)(6,7,21) - 2069(Inset, Telegraph Narrows)(NAD 27)(1-5) - 2069(Inset, Trenton)(NAD 27)(8-21)

Reference: Notice 2171(P)/98.

1. Replace	green light buoy Q21 with green spar buoy, marked Q21		44°09'56".5 N 77°06'12" W
2. Replace	green light buoy Q41 with green spar buoy, marked Q39		44 09 46 N 77 07 35 W
3. Delete	green spar buoy Q19		44 10 00 N 77 05 52 W
4. Reposition	green spar buoy Q29	from to	44 09 52 N 77 07 00 W 44 09 52.2 N 77 06 55 W
5. Reposition	red spar buoy Q30	from to	44 09 54 N 77 07 00 W 44 09 54.5 N 77 06 55 W
6. Replace	red spar buoy Q56/2 with red spar buoy, marked Q56/4		44 08 47 N 77 23 40 W
7. Replace	green spar buoy Q57 with green light buoy FI G, marked Q57		44 07 44 N 77 25 30 W
8. Delete	red spar buoy Q60		44 06 40 N 77 29 44 W
9. Delete	red spar buoy Q64		44 05 57 N 77 30 55.5 W
10. Delete	green spar buoy Q65		44 05 49 N 77 31 22 W
11. Delete	red spar buoy Q66		44 05 52 N 77 31 23.5 W
12. Delete	green spar buoy Q69		44 05 37.5 N 77 32 20 W
13. Delete	red spar buoy Q70		44 05 41 N 77 32 21 W
14. Reposition	green spar buoy Q71	from to	44°05'33" N 77°32'49" W 44 05 36.8 N 77 33 15 W
15. Reposition	green spar buoy QT3	from to	44 05 23 N 77 34 14 W 44 05 26 N 77 34 12.5 W
16. Reposition	red spar buoy QT4	from to	44 05 22 N 77 34 12.5 W 44 05 23 N 77 34 13 W
17. Delete	green spar buoy QT5		44 05 15 N 77 34 17 W
18. Delete	red spar buoy QT6		44 05 15 N 77 34 14 W
19. Add	green spar buoy, marked QT9		44 04 54.5 N 77 34 18 W
20. Reposition	red spar buoy QT10	from to	44 04 54 N 77 34 15.5 W 44 04 54.5 N 77 34 13.5 W
21. Delete	red spar buoy QT12		44 04 25 N 77 34 18 W

NOTE: (1) This information will be included in the next New Edition of chart 2069.

- (2) Digital data products 2069R/M and 73153(2069) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-008-010,012-024,027,029-031,048,
DFO-C99-125)

***1926 LAKE ONTARIO - BAY OF QUINTE - Buoys.**

Charts (Last correction) - 2007(NAD 27)(1,2)(1909/99) - 2021(Sheet 1)(Murray Canal Presqu'île Bay to à Trenton)(NAD 27)(7-14) - 2021(Sheet 2)(Trenton to à Glen Ross)(NAD 27) (3-13)

Reference: Notice 2171(P)/98.

1. Replace	green light buoy Q41 with green spar buoy, marked Q39		44°09'46" N 77°07'35" W
2. Replace	red spar buoy Q56/2 with red spar buoy, marked Q56/4		44 08 47 N 77 23 40 W
3. Delete	green spar buoy Q65		44 05 49 N 77 31 22 W
4. Delete	red spar buoy Q66		44 05 52 N 77 31 23.5 W
5. Delete	green spar buoy Q69		44 05 37.5 N 77 32 20 W
6. Delete	red spar buoy Q70		44 05 41 N 77 32 21 W
7. Reposition	green spar buoy Q71	from	44 05 33 N 77 32 49 W
		to	44 05 36.8 N 77 33 15 W
8. Reposition	green spar buoy QT3	from	44 05 23 N 77 34 14 W
		to	44 05 26 N 77 34 12.5 W
9. Reposition	red spar buoy QT4	from	44 05 22 N 77 34 12.5 W
		to	44 05 23 N 77 34 13 W
10. Delete	green spar buoy QT5		44 05 15 N 77 34 17 W
11. Delete	red spar buoy QT6		44°05'15" N 77°34'14" W
12. Add	green spar buoy, marked QT9		44 04 54.5 N 77 34 18 W
13. Reposition	red spar buoy QT10	from	44 04 54 N 77 34 15.5 W
		to	44 04 54.5 N 77 34 13.5 W
14. Delete	red spar buoy QT12		44 04 25 N 77 34 18 W

NOTE: Digital data products 2007R/M and 2021R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-012-016,019-024,027,048, DFO-C99-125)

***1909 LAKE ONTARIO - BAY OF QUINTE - Buoy.**

Charts (Last correction) - 2007(NAD 27)(1,2)(1566/96) - 2069(NAD 27)(1,2) (2150/99) - 2011 (NAD 83)(3)

Reference: Notice 2171(P)/98.

- | | | |
|-----------|---------------------|---------------------------|
| 1. Delete | green spar buoy Q55 | 44°08'53" N 77°22'44".5 W |
| 2. Delete | red spar buoy Q44 | 44 08 57 N 77 12 54 W |
| 3. Delete | green spar buoy Q55 | 44 08 53.2 N 77 22 43.6 W |

NOTE: Digital data products 2007R/M, 2011R/M, 2069R/M and 73153(2069) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-011,025, DFO-C99-122)

***1915 LAKE ONTARIO - PETER ROCK - Buoy.**

Charts (Last correction) - 2059(NAD 83)(1)(New Chart July/98) - LC 2058(1)(2150/98)

- | | | |
|------------|--|---------------------------|
| 1. Replace | red light buoy MN2 with south cardinal light buoy Q(6) + L Fl 15s, marked MN | 43°56'05" N 78°13'49".8 W |
|------------|--|---------------------------|

NOTE: Digital data products 2058R/M, 2059R/M and 73064(2058) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-002, DFO-C99-128)

***1953 LAKE ONTARIO - JORDAN HARBOUR - Vertical clearance.**

Chart (Last correction) - LC 2077(NAD 83)(1)(NewEdn., April/99)

- | | | |
|----------|--|-------------------------|
| 1. Amend | vertical clearance of 21m to read 2.1m | 43°11'00" N 79°22'26" W |
|----------|--|-------------------------|

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

(AMA8035-10-35)

(DFO-C99-140)

***1912 LAKE HURON - GEORGIAN BAY - ROSE I SLAND - Buoys.**

Charts - 2203(Sheet 1)(Compartment B-C)Carling Rock to/à Twin Sisters Island)(NAD 27)(1,2) - 2203(Sheet 1)(Compartment A-B)(Parry Sound to/àCarling Rock)(NAD 27)(1,3) - 2202(Sheet 3) (Twelve Mile Bay to/à Rose Island)(NAD 27)(4) - 2203(Sheet 4)(Parry Sound to/àCarling Rock) (NAD 27)(4)

- | | | |
|---------------|--------------------|--|
| 1. Delete | red spar buoy CS26 | 45°19'34".5 N 80°14'11" W |
| 2. Reposition | red spar buoy CS24 | from 45 19 14 N 80 14 38 W
to 45 19 27.4 N 80 14 10.4 W |

3. Reposition red spar buoy CS16 from 45 17 19 N 80 14 22 W
to 45 17 37 N 80 13 59 W

4. Add red spar buoy, marked CS24 45 19 27.4 N 80 14 10.4 W

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

(AMA8035-10-5-13)

(CCG-D99-027,057, DFO-C99-112)

***1911 LAKE HURON - GEORGIAN BAY - POINTE AU BARIL STATION - Light.**

Chart - 2203(Sheet 2)(Compartment C)(Tonches Island to/à Pointe au Baril Station)(NAD 27)(1)

1. Delete light 45°35'42".4 N 80°22'43".9 W

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

(AMA8035-10-7-13)

(CCG-D99-067, DFO-C99-117)

***1910 LAKE HURON - GEORGIAN BAY - OWEN SOUND - PYETTE POINT - Light.**

Charts (Last correction) - LC 2282(NAD 83)(1)(2110/98) - LC 2201(NAD 83)(2)(1709/99)

1. Delete Light 44°44'13".4 N 80°53'17".5 W

2. Delete light 44 44 12 N 80 53 18 W (approx.)

NOTE: Digital data products 2201R/M, 2282R/M, 73076(2282), 73077(2282), 73078(2282), 73079(2282) and 73097(2201) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-14)

(CCG-D99-068, DFO-C99-116)

***1931 LAKE HURON - GEORGIAN BAY - FRENCH RIVER - Lights.**

Chart - 2204(Sheet 2)(Compartment B-C)(Key Harbour to/à French River)(NAD 27)(1,2) - 2204(Sheet 3)(Compartment C-D)(French River to/à Beaverstone Bay)(NAD 27)(2)

1. Delete range lights 45°56'20" N 80°54'16" W (approx.)

2. Add light Fl 45 56 20 N 80 54 16 W

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

(AMA8035-10-7-13)

(CCG-D99-077,078, DFO-C99-132)

***1948 LAKE HURON - GEORGIAN BAY - BUSTARD ISLANDS - BUSTARD ROCKS - Lights and buoys.**

Chart (Last correction) - LC 2244(NAD 27)(1-5)(707/99)

1. Delete	range lights		45°53'29" N 80°57'06" W (approx.)
2. Delete	range lights		45 53 26.5 N 80 57 11 W (approx.)
3. Add	light FI 10s 46ft		45 53 27 N 80 57 08 W
4. Add	red spar buoy, marked D80/2		45 53 29 N 81 01 09 W
5. Reposition	red and white spar buoy DJ	from	45 52 59.5 N 81 00 00 W
		to	45 53 20 N 80 59 50 W

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

(AMA8035-10-5-12; 7-12)

(CCG-D99-025,059, DFO-C99-139)

***1913 LAKE HURON - GEORGIAN BAY - BUSTARD ROCKS BAY - Buoys and lights.**

Charts (Last correction) - LC 2201(NAD 83)(1)(1910/99) - 2204(Sheet 3)(Compartment C-D)(French River to/à Beaverstone Bay)(NAD 27)(2-6)

1. Amend	F G 48ft to read FI 10s 46ft		45°53'24" N 80°57'15" W
2. Delete	range lights		45 53 29 N 80 57 06 W (approx.)
3. Delete	range lights		45 53 26.5 N 80 57 11 W (approx.)
4. Add	light FI 10s 46ft		45 53 27 N 80 57 08 W
5. Add	red spar buoy, marked D80/2		45 53 29 N 81 01 09 W
6. Reposition	red and white spar buoy, marked DJ	from	45 52 59.5 N 81 00 00 W
		to	45 53 20 N 80 59 50 W

NOTE: Digital data products 2201R/M, 2204R/M and 73097(2201) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

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

(CCG-D99-025,059, DFO-C99-114)

***1917 LAKE ERIE - PORT STANLEY - Buoys.**

Chart (Last correction) - 2181(Plan, Port Stanley)(NAD 27)(1,2)(1118/98)

Reference: Notice 2169(P)/98.

1. Delete	red spar buoy ES10		112°15' 317m from light F WRG 34ft (42°39'31".2 N 81°12'51".9) W
2. Delete	red spar buoy ES12		087°15' 291m from light F WRG 34ft (42°39'31".2 N 81°12'51".9) W

NOTE: Digital data products 2181R/M, 73101(2181) and 73104(2181) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-14)

(CCG-B99-046,047, DFO-C99-127)

***1908 LAKE HURON - PINE TREE HARBOUR - Light.**

Charts (Last correction) - 2292(1)(1713/99) - LC 2200(NAD 27)(2)(714/99)

1. Amend F R 25ft to read Iso R 25ft 45°04'18".4 N 81°29'54" W

2. Amend 2 Lts F R to read 2 Lts Iso R, F R 45 04 18.4 N 81 29 54 W

NOTE: Digital data products 2200R/M, 73080(2292) and 73095(2200) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-13)

(CCG-D99-058, DFO-C99-113)

***1929 LAKE HURON - GODERICH - Lights.**

Charts (Last correction) - LC 2200(NAD 27)(1)(1908/99) - LC 2228(NAD 83)(1,2)(714/99) - 2261 (NAD 27)(1,2)

Reference: Notice 177(P)/94 cancelled.

1. Delete Fog Sig 43°44'43" N 81°44'10".9 W

2. Amend 2 Lts F R 13m & 14m to read 43 44 46.5 N 81 43 49.9 W
F R 14m

NOTE: Digital data products 2200R/M, 2228R/M, 2261R/M, 73092(2228), 73095(2200) and 73143(2261) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-13)

(CCG-D99-074,076, DFO-C99-135)

***1927 LAKE HURON - GEORGIAN BAY - SHEGUIANDAH BAY - Range lights.**

Charts (Last correction) - 2286(NAD)(1,2)(1719/99) - 2205(NAD 27)(3,4)

1. Delete range lights 45°53'41" N 81°54'55" W
(approx.)

2. Add light Fl 45 53 41 N 81 54 55 W

3. Delete range lights 45°53'34".8 N 81°54'58".5 W
(approx.)

4. Add light Fl 45 53 42 N 81 54 46.5 W

NOTE: Digital data products 2205R/M, 2286R/M and 73073(2286) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-13)

(CCG-D99-070,071, DFO-C99-115)

***1914 LAKE ERIE - DEALTOWN - Buoy.**

Chart (Last correction) - LC 2122(NAD 27)(1)(528/98)

1. Reposition	yellow light buoy FI Y, marked Priv	from	42°14'42" N 82°05'45" W
		to	42 14 33 N 82 05 42 W

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

(AMA8035-10-5-14)

(CCG-B99-001, DFO-C99-124)

***1932 LAKE HURON - NORTH CHANNEL - CLAPPERTON ISLAND - Buoy.**

Chart (Last correction) - 2286(1)(1927/99)

1. Replace	green light buoy J71 with green spar buoy, marked J71	46°02'00" N 82°11'10" W
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NOTE: Digital data products 2286R/M and 73073(2286) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13)

(CCG-D99-075, DFO-C99-134)

***1944(P) LAKE HURON - NORTH CHANNEL - CLAPPERTON ISLAND - Buoy.**

Chart (Which will be affected) - 2299(NAD 27)(1)

1. Replace	green light buoy J71 with green spar buoy, marked J71	46°02'00" N 82°11'10" W
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NOTE: (1) This notice will be incorporated in the next New Edition of chart 2299.
(2) Digital data products 2299R/M and 73059(2299) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-134)

***1947 LAKE HURON - GEORGIAN BAY - Soundings.**

Charts (Last correction) - 2299(NAD 27)(1)(959/98) - LC 2200(NAD 27)(2)(1929/99) - 2286(NAD) (3)(1932/99)

1. Amend	17 feet to read 15 feet	46°02'02" N 82°11'13" W
2. Amend	2 3/4 fathoms to read 2 1/2 fathoms	46 02 00 N 82 11 01 W
3. Add	2 1/2 fathoms	46°02'01" N 82°11'12" W (approx.)

NOTE: Digital data products 2200R/M, 2286R/M, 2299R/M, 73059(2299), 73073(2286) and 73095(2200) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-C99-119)

***1924 HUDSON BAY - CHURCHILL HARBOUR - Buoy and racons.**

Charts (Last correction) - 5640(NAD 83)(1-3)(464/97) - 5400(4,5)(441/94)

1. Delete	green light buoy C9	58°46'45".8 N 94°11'57" W
2. Delete	radar transponder beacon	58 46 32.3 N 94 11 25.6 W
3. Add	radar transponder beacon	58 47 00.9 N 94 13 59.2 W
4. Delete	radar transponder beacon	58 46 29 N 94 11 23 W
5. Add	radar transponder beacon	58 46 56 N 94 13 54 W

NOTE: Digital data products 73227(5640) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-13)

(CCG-D99-072,073, DFO-C99-137)

***1928 NORTHWEST TERRITORIES - AMUNDSON GULF - DARNLEY BAY - Racon.**

Charts (Last correction) - 7687(1)(695/90) - 7665(1)(206/97)

1. Delete	racon	69°20'03" N 124°09'42" W
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(AMA8035-10-18-5)

(CCG-A96-105, DFO-C99-136)

***1952 BEAUFORT SEA - BAILLIE ISLANDS - Racon.**

Chart (Last correction) - 7664(1)(206/97)

1. Reposition	racon	from	70°38'18" N 128°15'42" W
		to	70 38 16.5 N 128 15 46.6 W

(AMA8035-10-18-6)

(CCG-A99-001, DFO-C99-138)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Arctic Canada, Volume 3, Fifth Edition, 1994 —

Page 37 — Delete paragraph 132.

(C67/99)

Labrador and Hudson Bay, Sixth Edition, 1988 —

Page 346 — Delete paragraph 320

Replace by: 320 **Deception Bay — Facilities and services** — There is no permanent settlement here. Mine employees, when working at the ore storage and loading facility, are quartered in a small trailer park just north of the storage building. The mine site, employing 300 personnel, is some 100 kilometres SE by gravel road.

Communications: Telephone, at the harbour facilities.

Transportation: Air transportation is available but must be arranged with the reception office at the mine.

Medical: There is a nursing station at the mine complex.

Supplies: Food and fresh water may be obtained from the mine complex.

Repairs: The mine staff can handle emergency mechanical repairs.

(C52/99)

Page 420 — Paragraph 133, last line – after “alignment.”

Add: There is a **radar beacon**, identification Morse Code letter “G” (— — ●), at the front tower.

(C69/99)

Page 420 — Paragraph 136

Cancel corrections promulgated in Weekly Edition No. 43/88 and No. 5/93.

(C69/99)

Gulf of St. Lawrence, First Edition, 1992 —

Page 100 — Paragraph 5, line 9

Delete: Port hand light and bell buoy VC1

Replace by: Fairway light and bell buoy VC

(A18/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 156 — Paragraph 13, lines 6 to 8

Delete: “**Lights** ... basins.”

Replace by: A **light** (1165.8) is shown from the outer end of the pier south of
the breakwater.

(A18/99)

Page NOTES (end of the book) — **ESCUMINAC** Diagram (Re: correction promulgated in Weekly Edition No.
39/93)

Delete legend QG and light symbol at west end of the middle pier, and legend QR and the light symbol at the outer
end of the south pier.

(A18/99)

Page NOTES (end of the book) — **SAINT-GODEFROID** Diagram

Add port hand light buoy FIG, marked AG1, @ 030°30' and 300 m from the inside SW corner of the border.

Add starboard hand light buoy FIR, marked AG2, @ 036° and 287 m from the inside SW corner of the border.

(L49/99)

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

Page 75 — Paragraph 127, line 5 – after “rock.”

Add: **Black Reef** drying 6 feet (1.8 m) lies about 0.8 mile
WSW of Burnt Point. Port hand light **buoy** DD3 (378.6)
marks the SE extremity of the reef. A shoal with a least depth
of 24 feet (7.3 m) lies about 0.4 mile east of Black Reef.

(N29/99)

Page 75 — After paragraph 133

Insert: ^{133.1} North cardinal light **buoy** DDS (380.2),
marking a rock drying 1 foot (0.3 m), is moored about 0.2
mile NNE of Mouse Island.

(N29/99)

Page 79 — Paragraph 182 (Re: **MUSGRAVE HARBOUR** Diagram promulgated in Monthly Edition
No. 1/98)

Add light “F1 G” to green spar buoy JM3.

(N29/99)

Page 79 — Paragraph 182 (Re: **MUSGRAVE HARBOUR** Diagram promulgated in Monthly Edition
No. 1/98)

Delete green spar buoy JM5.

Replace by green spar buoy “JM5” 196°, 40.7 metres from the light “F1 R” at the outer end of the breakwater.

(N29/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 111 — INDEX, after “Black Reef, 87”

Insert: Black Reef (Hamilton Sound), 75

(N29/99)

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

Page 4 — Paragraph 31, last line

Add: Starboard hand lighted spar **buoy** TC14 (460.2) is moored about 0.1 mile east of the fish plant wharf at Catalina.

(N28/99)

Page 55 — Paragraph 116, last line

Delete: “south ... wharf.”

Replace by: outer end of the wharf. A **light** is shown from a mast on the outer end of the wharf.

(N28/99)

Page 69 — Paragraph 54, line 5 – after “harbour.”

Insert: Port hand lighted spar **buoys** ER1, ER3 and ER5 (49.3, 49.12, 49.1) marked the approach into Red Island Harbour.

(N28/99)

Page 71 — Paragraph 67, line 11 – after “Point.”

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

Replace by: The rock is marked by port hand lighted spar **buoy** PFH3 (37.51)

(N28/99)

Page 75 — Paragraph 93, line 7 – after “Head.”

Insert: A rock with a least depth of 4.1 m (13 ft) is located about 240 m (787 ft) WSW of the outer end of the west Public wharf at Arnold’s Cove; caution is advised.

(N28/99)

Page 77 — Paragraph 115, line 4 – after “Cove.”

Insert: On the west shore near the head of Indian Harbour there is an L-shaped private **wharf** extending 49 feet (15 m) from the shore to a depth of 5 feet (1.5 m) alongside a 22 foot (6.6 m) long outer end.

(N28/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 86 — Paragraph 197, last line

Add: Starboard hand lighted spar **buoy** PF2 (60.2), marking a rock, is moored about 0.6 mile NW of the light on Collins Island. Starboard hand lighted spar **buoy** PFD2 (56) is moored about 0.8 mile ENE of the light on Collins Island.

(N28/99)

Page 95 — Paragraph 302, lines 3 to 6

Delete: "There ... wharf."

Replace by: A private **wharf** extends 12 m (39 ft) from the shore to a depth of 3.7 m (12 ft) alongside a 7.6 m (25 ft) wide outer end. A private floating wharf 17 m (56 ft) long extends from the west side of the previous wharf. A private resort with 2 large white **conspicuous** buildings stand behind the wharf.

(N28/99)

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

Page 26 — Paragraph 212, line 13 – after "**Rock**,"

Insert: marked by a **buoy** and

(N30/99)

Page 35 — Paragraph 305, line 4 – after "(0.6 m)"

Add: and marked by a **buoy**

(N30/99)

Page 37 — Paragraph 2, line 4

Delete: "Port ... Q25"

Replace by: North cardinal light and whistle **buoy** QLB

(N30/99)

Page 37 — Paragraph 6, lines 3 to 5

Delete: "East ... Rock."

Replace by: North cardinal light and whistle **buoy** QLE (139.1) is moored about 0.2 mile north of Mile Rock.

(N30/99)

ATL 107 — Saint John River, First Edition, 1994 —

Page 46 — Paragraph 9, lines 8 to 11

Delete: "**Hampstead light** (132)" to end of paragraph, and the adjoining pictogram.

(A19/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 23 — Delete paragraph 76.

(L50/99)

Page 64 — **APPENDICES**, Table of marina facilities

Delete Chapter 2 Table and replace it by the new table attached at the end of **Section IV** of this Monthly Edition.

(L37/99)

CEN 300 — General Information, Great Lakes, First Edition, 1996 —

Page 13 — Paragraph 129, lines 2 and 3

Delete: , Satnav (Transit)

(C73/99)

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

Page 6 — Delete paragraph 67 and the pictogram pertaining to it.

Replace by: ⁶⁷ A **water intake pipe** extends 0.15 mile west from
the SW end of Île Saint-Bernard.

(L51/99)

Page 54 — Paragraph 46, line 2

Delete: 0.45 mile NW

Replace by: 0.5 mile NNW

(C64/99)

CEN 302 — Lake Ontario, First Edition, 1996 —

Page 14 — Paragraph 211, lines 5 to 7

Delete: “An isolated 11 foot” to end of paragraph.

Replace by: There is an isolated 11-foot (3.4-m) **shoal** 0.3 mile
south of Trident Point.

(C63/99)

Page 18 — Paragraph 262, line 3 – after “(0.6 m)”

Add: and is marked by *light buoy Q57*

(C63/99)

Page 45 — Paragraph 57, line 1 (Re : correction promulgated in Monthly Edition No. 10/96)

Delete: *light buoy MN2*

Replace by: *south cardinal buoy MN*

(C63/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 74 — Paragraph 109, line 8

Delete: a marina basin

Replace by: *Bronte Harbour Outer Marina*

(C63/99)

CEN 306 — Georgian Bay, First Edition, 1998 —

Page 50 — Paragraph 299, line 4

Delete: 14 feet (4.3 m)

Replace by: 13 feet (4 m)

(C70/99)

Page 85 — Paragraph 177

Delete last sentence.

(C70/99)

Page 86 — Paragraph 207, line 2

Page 94 — Paragraphe 23, line 5

Page 97 — Paragraph 86, line 7

Page 98 — Paragraph 99, line 7

Page 98 — Paragraph 113, line 12

Delete: 1986

Replace by: 1999

(C70/99)

Great Lakes, Volume 2, Seventh Edition, 1993 —

Page 60 — Delete paragraph 127.

(C66/99)

Page 60 — Delete paragraph 128

Replace by: 128 **Leading lights.** — The lights of North Pier range in line bearing $086\frac{1}{2}^\circ$ lead through the channel between the breakwaters. The front light (780) is shown from a triangular skeleton tower 35 feet (10.7 m) high with a white daymark, orange vertical stripe. The rear light (781) is shown from a skeleton tower 50 feet (15.2 m) high with a similar daymark. The front light is visible for 15° each side of the range.

(C66/99)

Page 61 — Delete paragraph 149.

(C68/99)

Page 152 — Delete paragraph 266

Replace by: 266 **Light.** — Sheguiandah light (992), on the outer end of the causeway, is shown at an elevation of 23 feet (7 m).

(C66/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 152 — Paragraph 267, lines 1 to 3
 Delete: “A vessel should ... light to avoid”
 Replace by: There is

(C66/99)

Page 152 — Paragraph 268, line 2
 Delete: 0.1 mile SW of the rear range light
 Replace by: 0.2 mile WSW of the light

(C66/99)

Page 162 — Paragraph 150, line 4 – after “(4.6 m)”
 Insert: and is marked by a buoy

(C68/99)

Page 162 — Delete paragraph 151.

(C68/99)

Page 200 — Paragraph 22, line 3
 Delete: WUD-31
 Replace by: WUE-21

(C71/99)

Page 200 — Paragraph 40, line 4
 Delete: 57.0'N
 Replace by: 56.9'N

(C71/99)

Page 204 — Paragraph 104, lines 7 and 8
 Delete: *Abitibi Paper Co.*
 Replace by: *St. Marys Paper Ltd.*

(C71/99)

Page 205 — Paragraph 111, lines 4 and 5
 Delete: *WUD 31*
 Replace by: *WUE 21*

(C71/99)

Page 205 — After paragraph 118

Insert: *118.1 All saltwater vessels without bow or stern thrusters requesting lockage are required to be assisted by one or more tugs of sufficient power to ensure full control at all times. Tug assist is also required for all other self-powered vessels which experience severe control problems at low speeds and within close quarters, such as the lock approach channels.*

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

118.2 *Bow and / or stern thruster use shall be kept to a minimum while transiting the Locks. Thrusters shall not be used while the thrusters are opposite lock gates. They may be used sparingly for short duration within the lock to maintain the ship position near the mooring wall or in an emergency. Thrusters shall be at zero thrust during the period the ship is stopped and moored to the wall with all lines out, and during raising and lowering of pool levels within the chamber.*

118.3 *Vessels leaving the MacArthur Lock and Poe Lock at approximately the same time, the following policy will apply:*

118.4 *1. This first vessel to leave will be the vessel in the lock which is ready for vessel release first. The vessel in the other lock will be restrained by the gates remaining closed and the wire rope fender remaining in the down position.*

118.5 *2. On downbound passages, the vessel retained shall not leave the lock until such time as the bow of the vessel leaving first reaches the end of E center pier.*

118.6 *3. On upbound passages, the vessel retained shall not leave the lock until such time as the bow of the vessel leaving first reaches the railroad bridge.*

118.7 *4. When a 1,000-foot (305-m) vessel is ready to depart the Poe Lock and a vessel in the MacArthur Lock leaves first, the 1,000-foot (305-m) vessel may start to leave once the bow of the other vessel reaches the end of the respective nose pier.*

118.8 *5. The above policy may be varied on a case by case basis at the direction of the Chief Lockmaster on duty.*

118.9 *6. Vessel will remain in radio contact with each other and the Chief Lockmaster at all times until clear of the lock area.*

(C72/99)

Page 211 — Paragraph 15, lines 5 and 6

Delete: *“A private light ... the river approach.”*

(C71/99)

Page 211 — Paragraph 18, lines 1 and 2

Delete: *Lake Superior*

Replace by: *Whitefish Bay*

(C71/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 234 — Paragraph 13, line 3

Delete: 25.4'W

Replace by: 25.3'W

(C71/99)

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

2	Portugal Cove South Fog Signal						Delete from List.	Chart:4844 1939/99
2	Portugal Cove South	On S. side of cove. 46 42 10 53 15 35	Fl R			Red skeleton tower, red enclosed upper portion.	Seasonal.	Chart:4844 1939/99
37.51	Fair Haven light buoy PFH3	47 31 42 53 54 08.5	Fl G 4s	.....	.....	Green spar, marked "PFH3"	Seasonal.	Chart:4617 1920/99
49.1	Red Island Inner light buoy ER5	47 23 54 54 09 06	Fl G 4s	.....	.....	Green spar, marked "ER5"	Seasonal.	Chart:4617 1920/99
49.12	Red Island Middle light buoy ER3	47 23 54 54 08 53	Fl G 4s	.....	.....	Green spar, marked "ER3"	Seasonal.	Chart:4617 1920/99
49.3	Red Island Outer light buoy ER1	47 23 45 54 08 47	Fl G 4s	.....	.....	Green spar, marked "ER1"	Seasonal.	Chart:4617 1920/99
56	Davis Island light buoy PFD2	47 15 59 54 55 36	Fl R 4s	.....	.....	Red spar, marked "PFD2"	Year round.	Chart:4624 1922/99
60.2	Duck Rock light buoy PF2	47 16 13 54 57 23	Fl R 4s	.....	.....	Red spar, marked "PF2"	Year round.	Chart:4624 1922/99
73.2	Harbour Rock light buoy PW2	46 55 06.7 55 21 38.6	Fl R 4s	.....	.....	Red spar, marked "PW2".	Year round.	Chart:4642 1964/99
73.8	Vestal Rock light buoy PK4	46 54 30 55 32 45	Fl R 4s	.....	.....	Red spar, marked "PK4"	Year round.	Chart:4625 1963/99
127.4	Hermitage Wharf	47 33 34.8 55 55 45	Fl R 4s	3.1	.....	Tower. 2.6	Year round.	Chart:4644 1959/99
138.5	Watch Rock light and whistle buoy Q25						Delete from List.	Chart:4633 1959/99
138.5	Watch Rock light North Cardinal light and whistle buoy QLB	47 23 17 56 50 42	Q W 1s	.....	.....	Black and yellow, marked "QLB"	Year round.	Chart:4633 1959/99
139.1	Penguin Islands East Cardinal light and whistle buoy QLE						Delete from List.	Chart:4633 1959/99

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)

139.1	<i>Penguin Island North Cardinal light and Whistle buoy QLE</i>	47 23 33 56 57 33	VQ W 0.5s	<i>Black and yellow, marked "QLE"</i>	<i>Year round.</i> Chart:4633 1959/99
265	Paquet Harbour, wharf	49 59 29.2 55 52 31.3	Fl R 4s 24.4 .....	.....	.....	Cylindrical mast. 2.1	Flash 0.5 s; eclipse 3.5 s. Seasonal. Chart:4520 Edn. 10/99
378.6	<i>Black Reef light buoy DD3</i>	49 35 40.8 54 10 39	Fl G 4s .....	.....	.....	<i>Green, marked "DD3"</i>	<i>Seasonal.</i> Chart:4530 1955/99
380.2	<i>Mouse Island Shoal North Cardinal light buoy DDS</i>	49 35 21 54 12 15	Q W 1s .....	.....	.....	<i>Black and yellow, marked "DDS".</i>	<i>Seasonal.</i> Chart:4530 1955/99
383.84	<i>Duck Island Point Light buoy DJ3</i>	49 44 02.4 54 10 04.6	Fl G 4s .....	.....	.....	<i>Green, marked "DJ3".</i>	<i>Seasonal.</i> Chart:4520 Edn. 10/99
399.1	<i>Musgrave Harbour light buoy JM3</i>	49 27 32.8 53 57 11.1	Fl G 4s .....	.....	.....	<i>Green spar, marked "JM3"</i>	<i>Seasonal.</i> Chart:4530 1955/99

ATLANTIC

90 H4108	Point Lepreau	On point. 45 03 31.3 66 27 31.8	Fl W 5s 25.5 14	.....	.....	Octagonal tower, red and white horizontal bands. 17.6	Flash every 5 s. Emergency light. Year round. Horn - Blast 2s; sil. 3s; blast 2s; sil. 3s; blast 2s; sil. 48s. Horn points 190°. Year round. Chart:4116 Edn. 10/99
132	Hampstead wharf						Delete from List. Chart:4142 1919/99
538 H3618	Halifax Harbour Inner range	On W. side of Georges Island. 44 38 26.2 63 33 37.2	F W 17.7 .....	.....	.....	White octagonal tower, fluorescent red vertical stripe.	White 290° through N., E. and S. to 181°. Increased intensity on line of range. Emergency light. Year round. Horn - Blast 3s; sil. 27s Horn points S.
539 H3618.1		339°08' 3153.7m from front.	Oc W 10s 37.7 .....	.....	.....	Skeleton tower, white daymark, fluorescent red vertical stripe.	Flash 7 s; eclipse 3 s Year round. Delete fog signal. Chart:4202 Edn. 10/99

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)

634 H3512	Fishermans Harbour	W. extremity of Shingle beach on S. side of harbour. 45 06 42 61 40 41.1	Fl G 4s	7.1	5	White structure. 7.9	Seasonal. Chart:4234 Edn. 10/99
722 H3376	Green Island	Summit of island. 45 28 41 60 54 00	Fl W 20s	34.1	16	White cylindrical tower. 11.5	Flash 2 s; eclipse 2 s; flash 2 s; eclipse 14 s. Emergency light. Year round. Delete fog signal Chart:4308 1904/99
860.5	<i>Pleasant Bay light and bell buoy VC1</i>	<i>Off harbour entrance. 46 50 30 60 48 20</i>	<i>Mo(A) W 6s</i>	<i>.....</i>	<i>.....</i>	<i>Red and white vertical stripes, marked "VC1".</i>	<i>Seasonal. Chart:4464 1933/99</i>
860.9 H1176.5	Pleasant Bay Southwest breakwater	46 49 59 60 47 53	F R	6.8	10	Cylindrical mast. 3.8	Year round. Chart:4464 Edn. 10/99
881.3	Little Judique Harbour Wharf Sector	Near outer end of W. breakwater. 45 57 29 61 31 40.1	F R W G	8.0	8	Triangular skeleton tower, enclosed lower portion, red and white rectangular daymark. 6.8	Red from 077° to 121°; white from 121° to 123°; green from 123° to 161°. White sector indicates preferred channel. Seasonal. Chart:4448 Edn. 10/99
898	Pictou Island breakwater	On SE. corner of W. breakwater. 45 48 09.3 62 35 10.7	Fl G 4s	4.9	.....	Square skeleton tower. 4.0	Seasonal. Chart:4483 Edn. 10/99
899	Pictou Island South	On SW. coast of island. 45 48 14 62 35 14	Iso W 4s	10.8	.....	White tower. 8.1	Seasonal. Chart:4483 Edn. 10/99
899.5 H1238	Pictou Island (East End)	SE. point. 45 48 54.2 62 30 52	Fl W 4s	17.7	.....	Red skeleton tower, red and white rectangular daymark. 9.9	Year round. Chart:4404 Edn. 10/99
900 H1238.5	Pictou Island East End breakwater	SW. of Seal Point. 45 49 20.5 62 30 36.5	Fl R 4s	4.4	.....	Square skeleton tower. 3.3	Seasonal. Chart:4404 Edn. 10/99
905	<i>Pictou Landing light buoy SJ11</i>	<i>S. of Grave Point. 45 40 52 62 40 46</i>	<i>Fl G 4s</i>	<i>.....</i>	<i>.....</i>	<i>Green, marked "SJ11".</i>	<i>Seasonal. Chart:4437 1937/99</i>
921.3	<i>Wallace Harbour light buoy UH</i>	<i>E. of Oak Island Bar. 45 48 56.7 63 20 59</i>	<i>Mo(A) W 6s</i>	<i>.....</i>	<i>.....</i>	<i>Red and white vertical stripes, marked "Wallace Harbour UH".</i>	<i>Seasonal. Chart:4402 Edn. 10/99</i>
921.4	<i>Oak Island Bar light buoy UH2</i>	<i>45 48 26.3 63 22 00.7</i>	<i>Q R 1s</i>	<i>.....</i>	<i>.....</i>	<i>Red, marked "UH2".</i>	<i>Seasonal. Chart:4402 Edn. 10/99</i>

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

ATLANTIC - (cont'd)

921.5	Horton Bank light buoy UH3	45 48 59.9 63 23 04.8	Q	G	1s	.....	.....	Green, marked "UH3".	Seasonal.			Chart:4402 Edn. 10/99
921.6	Horton Bank light buoy UH5	N. of bank. 45 49 16.9 63 24 03.9	Q	G	1s	.....	.....	Green, boat type, marked "UH5".	Seasonal.			Chart:4402 Edn. 10/99
922 H1278	Mullins Point range	N. side of entrance to Wallace Harbour. 45 49 32.6 63 25 28.6	F	W		10.8	.....	Square skeleton tower, white daymark, red vertical stripe. 5.0	Seasonal.			
923 H1278.1		280°31' 406.9m from front.	F	W		21.3	.....	Square skeleton tower, white daymark, red vertical stripe. 11.2	Seasonal.			Chart:4402 Edn. 10/99
923.3	Palmer Point light buoy UH12	Off point. 45 49 07.3 63 25 50.6	Fl	R	4s	.....	.....	Red, boat type, marked "UH12".	Seasonal.			Chart:4402 Edn. 10/99
923.5	Wallace Harbour light buoy UH16	NE. of Macfarlane Point. 45 48 55.5 63 27 03.9	Q	R	1s	.....	.....	Red, boat type, marked "UH16".	Seasonal.			Chart:4402 Edn. 10/99
923.7	Macfarlane Point light buoy UH17	N. of point. 45 48 56.6 63 27 45.4	Q	G	1s	.....	.....	Green, boat type, marked "UH17".	Seasonal.			Chart:4402 Edn. 10/99
924 H1283	Wallace Harbour Sector	45 48 46.4 63 27 43.6	F Al RW Al GW	R W G		12.4	.....	White square tower, white daymark, red horizontal band. 8.5	Red from 254° to 256°; Al RW from 256° to 257°; white from 257° to 258°; Al GW from 258° to 259°; green from 259° to 261°. White sector indicates preferred channel. Year round.			Chart:4402 Edn. 10/99
925.1	Wallace wharf	On outer end of wharf. 45 48 55.6 63 28 24.8	Fl	R	3s	6.7	.....	Red square skeleton tower. 5.5	Flash 1 s; eclipse 2 s Seasonal.			Chart:4402 Edn. 10/99
1054.9	Light buoy JK13	46 27 20 63 17 57	Fl	G	4s	.....	.....	Green, marked "JK13".	Seasonal.			Chart:N/A 1971/99
1166	Escuminac Wharf Middle								Delete from List.			Chart:4911 1902/99
1167	Escuminac Wharf Inner								Delete from List.			Chart:4911 1902/99
1307	Caraquet Channel light buoy EM7	47 50 16.5 64 47 37.4	Fl	G	4s	.....	.....	Green, marked "EM7".	Year round. Winter spar.			Chart:4913 1960/99

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)

1308	<i>Caraquet Channel light buoy EM8</i>	<i>NW. side of channel.</i> 47 49 56.6 64 48 08	<i>Fl R 4s</i>	<i>Red, marked "EM8".</i>	<i>Year round. Winter spar.</i>	Chart:4913 1960/99
1312	<i>Caraquet Harbour light buoy EM18</i>	47 48 28.4 64 52 14.3	<i>Fl R 4s</i>	.....	.....	<i>Red, marked "EM18".</i>	<i>Year round. Winter spar.</i>	Chart:4913 1960/99
1313	<i>Caraquet Harbour East light buoy EM20</i>	<i>NE. of Middle Caraquet.</i> 47 48 25.1 64 52 39.6	<i>Fl R 4s</i>	.....	.....	<i>Red, marked "EM20".</i>	<i>Year round. Winter spar.</i>	Chart:4920 1960/99
1319.2	Pointe à Brideau range	47 47 46.8 64 56 13	F W	7.5	.....	Square skeleton tower, black daymark, white vertical stripe. 3.6	Seasonal.	
1319.3		248°04' 374.8m from front.	F W	13.5	.....	Square skeleton tower, black daymark, white vertical stripe. 12.8	Seasonal.	Chart:4913 Edn. 10/99
1497 H914	Cap-aux-Meules wharf range	Outer end of wharf. 47 22 36.7 61 51 13.2	Iso G 1s	6.8	18	Red square skeleton tower, white daymark, fluorescent red vertical stripe. 4.6	Flash 0.5 s; eclipse 0.5 s Visible in line of range. Emergency light. Year round.	
1498 H914.1		330°12' 133.2m from front.	Iso G 1s	12.0	18	Red skeleton tower, white daymark, fluorescent red vertical stripe. 9.1	Flash 0.5 s; eclipse 0.5 s Visible in line of range. Year round. Delete fog signal.	Chart:4956 Edn. 10/99
1762 H2148	Île Verte (East wharf)	On S. corner of wharf. 48 02 22.4 69 24 22.7	F G	5.6	7	Square skeleton tower. 4.6	Seasonal.	Chart:1235 1935/99
1821.1	<i>Light buoy S65</i>	48 26 12.9 71 01 38.8	<i>Fl G 4s</i>	.....	.....	<i>Green, marked "S65"</i>	<i>Seasonal.</i>	Chart:1209 1957/99
1927 H2288	Sainte-Pétronille (Beaulieu)	On wharf. 46 50 41.9 71 07 54.6	Fl Y 5s	15.3	16	Grey square skeleton tower. 13.7	Flash every 5 s Emergency light. Year round.	Chart:1316 Edn. 10/99
1950.4	<i>Light buoy V34</i>	46 52 32.5 71 08 27.3	<i>Fl R 4s</i>	.....	.....	<i>Red, marked "V34".</i>	<i>Year round.</i>	Chart:1316 Edn. 10/99
1950.5	<i>Light buoy V35</i>	46 52 29.1 71 08 03.3	<i>Fl G 4s</i>	.....	.....	<i>Green, marked "V35".</i>	<i>Year round.</i>	Chart:1316 Edn. 10/99

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)

1951	Light buoy V36	46 52 00.1 71 08 32.3	Fl R 4s	Red, marked "V36".	Year round.	Chart:1316 Edn. 10/99
1956 H2318	Québec range	On grain elevator conveyor. 46 49 16.8 71 11 53.1	Iso G 2s	19.9	16	Red square skeleton tower, orange daymark, black vertical stripe. 18.5	Emergency light. Visible in line of range. Year round.	
1957 H2318.1		228°26' 461.9m from front.	Iso G 2s	28.1	16	Skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 25.5	Visible in line of range. Emergency light. Year round.	Chart:1316 Edn. 10/99
1958 H2321	North Limit Anchorage	46 48 34.2 71 12 10.4	Iso R 2s	19.2	6	On SE. corner of shed on Queen's wharf.	Increased intensity on a bearing of 280°. Emergency light. Year round.	Chart:1316 Edn. 10/99
1960.3 H2323.3	Quebec Yacht Club East	On outer end of E. breakwater. 46 46 58.5 71 14 01.8	F Y	5.0	8	Red and white square skeleton tower. 3.0	Emergency light. Seasonal. Maintained by Yacht Club de Québec.	Chart:1316 Edn. 10/99
1960.4 H2323	Québec Yacht Club range	46 47 02.1 71 14 14	F R	4.9	16	Red and white square skeleton tower, fluorescent orange daymark, black vertical stripe. 3.0	Visible in line of range. Emergency light. Seasonal. Maintained by "Yacht Club de Québec".	
1960.5 H2323.1		298°57' 19.6m from front.	F R	8.3	16	Red and white square skeleton tower, fluorescent orange daymark, black vertical stripe. 6.1	Visible in line of range. Emergency light. Seasonal. Maintained by "Yacht Club de Québec".	Chart:1316 Edn. 10/99
1960.6 H2323.4	Québec Yacht Club West	On outer end of W. breakwater. 46 46 57.1 71 14 03.9	Iso W 2s	4.4	8	Red and white square skeleton tower. 3.4	Emergency light. Seasonal. Maintained by Yacht Club de Québec.	Chart:1316 Edn. 10/99
1962 H2324	Pointe à Puiseaux (Sillery)	W. of wharf. 46 46 19.4 71 14 35.9	Fl R 5s	8.1	14	Red and white square skeleton tower. 4.9	Flash every 5 s Emergency light. Year round.	Chart:1316 Edn. 10/99

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)

1964 H2330	Pointe à Basile range	E. from extremity of point. 46 43 48 71 19 46.8	F W Iso R 2s	59.4 59.1	21	Skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 38.4	Visible downstream to Québec Bridge. FW lights visible in line of range. Year round. Emergency light.
1965 H2330.1		077°38' 1240.9m from front.	F W	87.5	21	Skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 35.3	FW lights visible in line of range. Emergency light. Year round. Chart:1316 Edn. 10/99
2111 H2398.4	Port Saint- François wharf	On pier. 46 16 20.5 72 37 09.6	Fl Y 5s	10.1	.....	White tower. 6.1	Emergency light. Radar reflector. Year round. Chart:1312 Edn. 10/99
2112 H2398	Port Saint- François range	On pier W. of wharf. 46 16 16.5 72 37 10.9	F G	10.8	.....	White structure, fluorescent orange daymark, black vertical stripe. 11.1	Night emergency light. Visible in line of range. Year round.
2113 H2398.1		068°25' 1372.8m from front.	F G	18.8	.....	Red skeleton structure, white enclosed upper portion, fluorescent orange daymark, black vertical stripe. 14.3	Night emergency light. Visible in line of range. Year round. Chart:1312 Edn. 10/99
2119.5 H2400	Nicolet Sector Racon --, (G) X & S Band	On pier. 46 15 27.1 72 39 03.5	Iso W 2s Iso G 2s	8.8	8	Black and white square tower. 6.1	White from 353° through N. and E. to 173°; green from 173° through S. and W. to 353°. Operates at night only. Radar reflector. Year round. Chart:1312 Edn. 10/99
2123.5	<i>Lac Cautionary light buoy</i>	46 16 03.1 72 41 43.4	Fl Y 4s	.....	.....	<i>Yellow spar, marked "LAC".</i>	<i>Year round.</i> Chart:1312 Edn. 10/99
2125 H2402	Pointe-du-Lac range	46 16 05.5 72 41 43.2	F G	12.4	11	White cylindrical tower, fluorescent orange base and daymark, black vertical stripe. 3.6	Operates at night only. Visible in line of range. Radar reflector. Year round.
2126 H2402.1		056°08' 2262.9m from front.	F G	49.1	10	White skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 32.7	Operates at night only. Visible in line of range. Year round. Chart:1312 Edn. 10/99

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)

2134.8 H2404	Yamachiche Bend	On experimental island. 46 12 53 72 49 10	Iso R 2s	12.6	5	White cylindrical tower, red upper and lower portions. 6.1	Operates at night only. Radar reflector. Year round. Visibility: 360°.	Chart:1312 Edn. 10/99
2148 H2410	Louiseville range	Rivière du Loup, W. side. 46 13 17.5 72 55 29.5	F G	8.0	.....	White cylindrical tower, fluorescent orange slatwork daymark, black vertical stripe. 5.8	Visible in line of range. Seasonal.	
2149 H2410.1		334°30' 497.1m from front.	F G	13.6	.....	White square skeleton tower, fluorescent orange slatwork daymark, black vertical stripe. 7.6	Visible in line of range. Seasonal.	Chart:1312 Edn. 10/99
2155	Îlets light buoy	E. of Îlets. 46 07 30.9 72 55 40.4	Fl (2+1) R 6s	.....	.....	Red, green and red spar, marked "Îlets".	Year round.	Chart:1312 Edn. 10/99
2166 H2414	Raçon -- (K) X Band	N. edge of island. 46 06 10.8 72 57 52.4	F G	9.4	.....	Tower, fluorescent orange daymark. 5.8	Visible in line of range. Year round.	
2167 H2414.1		193°01' 573.3m from front.	F G	29.9	.....	Skeleton structure, fluorescent red slatwork daymark. 33.6	Visible in a bearing from 103° to 193° through S.	Chart:1312 Edn. 10/99
2175 H2426	Île de Grâce range	On S. side of island. 46 04 08.4 73 02 59.8	F G	12.8	.....	White tower, fluorescent orange daymark. 7.3	Also visible from 310° to 343°. Visible in line of range. Year round.	
2176 H2426.1		073°16' 597.9m from front.	F G	22.3	.....	White skeleton tower, enclosed upper portion, fluorescent orange slatwork daymark. 16.5	Also visible from 277° to 339°. Visible in line of range. Year round.	Chart:1312 Edn. 10/99
2311.5	Jésus light buoy						Delete from List.	Chart:1509 1956/99
2311.51	Light buoy MC4	45 42 02.1 73 31 19.5	Q R 1s	.....	.....	Red, marked "MC4"	Seasonal.	Chart:1509 1956/99

INLAND WATERS

376	Wolfe Island Cut light buoy PV5						Delete from List.	Chart:1438 1930/99
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No.	Name	Position ----- Latitude N. Longitude W.	Light Characteristics	Focal Height in m. above water	Nomi- nal Range	Description ----- Height in meters above ground	Remarks ----- Fog Signals
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INLAND WATERS - (cont'd)

415	Snake Island light buoy K5	NW. of island. 44 11 58 76 32 51	Fl G 4s	Green, marked "K5".	Winter spar. Year round.	Chart:2017 1907/99
458	East Entrance light buoy Q21						Delete from List.	Chart:2069 1938(P)/99
460.2	Catalina Harbour light buoy TC14	48 30 58.6 53 04 22.2	Fl R 4s	.....	.....	Red spar, marked "TC14"	Seasonal.	Chart:4849 1918/99
461	West Entrance light buoy Q41						Delete from List.	Chart:2069 1926/99
471	Anderson Shoal light buoy Q57	44 07 44 77 25 30	Fl G 4s	.....	.....	Green, marked "Q57"		Chart:2069 1938(P)/99
497.5	Peter Rock South cardinal light buoy MN	43 56 05 78 13 49.8	Q(6) W +LFl	15s	.....	.....	Yellow and black, marked "MN"	Chart:2058 1915/99
596	Cedar Springs Water Intake light buoy	Marks intake crib. 42 14 33 82 05 42	Fl Y 4s	.....	.....	Yellow.	Privately operated.	Chart:2122 1914/99
779	South Breakwater	On W. end of S. breakwater. 43 44 43 81 44 10.9	Oc R 6s	10.3	.....	Tower on white square building.	Emergency light. Seasonal.	Chart:2291 1929/99
780	North Pier range	On N. pier. 43 44 46.5 81 43 49.9	F R	13.8	.....	Triangular skeleton tower, white daymark, orange vertical stripe. 10.8	Visible 015° on either side of line of range. Seasonal	
781		086°30' 181.4m from front.	F R	19.8	.....	Skeleton tower, white daymark, orange vertical stripe. 15.2	Seasonal	Chart:2291 1929/99
798.5	Pine Tree Harbour range	45 04 18.4 81 29 54	Iso R 4s	8.0	.....	Cylindrical mast, white daymark, orange vertical stripe. 7.3	Visible in line of range. Seasonal.	
798.6		035° 85.6m from front.	F R	10.6	.....	Cylindrical mast, white daymark, orange vertical stripe. 9.6	Visible in line of range. Seasonal	Chart:2292 1908/99
833	Pyette Point						Delete from List.	Chart:2282 1910/99

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

944	Pointe au Baril Station						Delete from List. Chart:2203 1911/99
965	Bustard Rocks Northeast range						Delete from List. Chart:2204 1913/99
966							
966	Bustard Rocks	45 53 27 80 57 08	Fl W 10s	14.6	.....	White tower. 9.1	Seasonal. Chart:2204 1913/99
967	Bustard Rocks range						Delete from List. Chart:2204 1913/99
967.1							
968	French River Inner range						Delete from List. Chart:2204 1931/99
969							
968	French River Inner	45 56 20 80 54 16	Fl W 4s	6.7	.....	Cylindrical mast, white daymark, orange vertical stripe. 3.7	Seasonal. Chart:2204 1931/99
992	Sheguiandah range						Delete from List. Chart:2204 1931/99
993							
992	Sheguiandah	45 53 41 81 54 55	Fl W 4s	7.0	.....	Cylindrical tower. 6.1	Seasonal. Chart:2286 1931/99
1011	<i>Logan Reef light buoy J71</i>						<i>Delete from List.</i> Chart:2252 1932/99
2612 H27	Churchill range	58 47 00.9 94 13 59.2	F W	24.0	.....	Triangular skeleton tower, fluorescent orange slatwork daymark.	Visible in line of range. Year round.
2613 H27.1	Radiobeacon Racon -- (G) X & S Band	236°25' 1632.8m from front.	F W	48.0	.....	Triangular skeleton tower, fluorescent orange slatwork daymark.	Visible in line of range. Year round. Chart:5640 1924/99
2619	<i>Churchill wharf light buoy C9</i>						<i>Delete from List.</i> Chart:5640 1924/99

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

2622 H26	Churchill Harbour	On E. side of harbour. 58 46 29.1 94 11 22.2	Fl RW 6s	66.4	On top of grain elevator. 61.2	Flash 1 s; eclipse 5 s Year round.
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**Chart:5640
1924/99**

**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.