



NOTICES TO MARINERS

EASTERN EDITION

Published monthly by the

CANADIAN COAST GUARD

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Marine Navigation Services Directorate
 Marine Aids



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Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.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 page *xiii* of each monthly edition. Notification of changes to the mailing addresses, regional issues and/or number of copies required should also be transmitted by means of this form.

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

NOTE: Cette publication est aussi disponible en français.

DGPS INITIAL OPERATIONAL SERVICE

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

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

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

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

Table of DGPS Reference Stations in Canada						
Station Name	Id. Nos of reference stations	DGPS Station ID	Geog. Position		Frequency [khz]	Bit/s
			Latitude	Longitude		
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 upgraded. 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: _____ dB

DOP Geometry / Géométrie DOP : _____

User receiver operates correctly with other DGPS sites? /

Votre équipement DGPS fonctionne-t-il normalement à l'utilisation d'autres stations DGPS?: Yes/ Oui ____ No / Non_

Comments / Commentaires: _____

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

Phone / Téléphone : _____

Weather conditions / Conditions météo

Winds / Vents : Direction: _____ Speed / Vitesse: _____ KTS

Temp. °C: _____ VIS: _____ N.M.

Sea State / État de la mer : _____

Bearing and range to electrical storm /

Direction et distance de l'orage : _____

Time of the storm / Heure de l'orage: _____ UTC

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

User equipment informations / Renseignements sur l'équipement

GPS receiver / Récepteur GPS: Make / Fabricant: _____ Model: _____

DGPS beacon receiver / Démodulateur DGPS: Make / Fabricant : _____ Model: _____

Gyro interface with GPS / Gyro intégré avec le GPS? Yes / Oui : _____ No / Non : _____

DGPS interfaced with an ECDIS / DGPS intégré dans un SVCEI? Yes / Oui: _____ No / Non : _____

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

ECDIS / SVCEI: Make / Fabricant: _____ Model: _____

Radar image interfaced / Image radar intégrée?: Yes / Oui: _____ No / Non: _____

Gyro interfaced with ECDIS / Gyro intégré avec SVCEI? Yes / Oui: _____ No / Non: _____

Permanent installation or in evaluation / Installation permanente ou en évaluation : _____

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

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

Canada

Legend/Légende

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

IMPORTANT NOTICE TO USERS

The Canadian Coast Guard Marine Aids Modernization Program

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

1. Redundant Aids to Navigation

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

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

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

The conversion of 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
Canadian Coast Guard
Department of Fisheries & Oceans
P.O. Box 5667
St. John's, NF
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 BEGAN WITHIN COAST GUARD MARITIMES REGION ON APRIL 1, 1997.

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

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

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

Aids to Navigation Superintendent
Canadian Coast Guard
Department of Fisheries & Oceans
P.O. Box 1000
Dartmouth, NS
B2Y 3Z8
Telephone: (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
 Canadian Coast Guard
 Department of Fisheries & Oceans
 101 Champlain Boulevard
 Quebec, QC
 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
Canadian Coast Guard
Department of Fisheries & Oceans
201 Front Street North, Suite 703
Sarnia, ON
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, ON
K1A 0E6

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

Please indicate which edition you would like to receive.

EASTERN EDITION (will be comprised of Arctic, Newfoundland, Maritimes, Gulf & River St. Lawrence and Central areas) _____

WESTERN EDITION (will be comprised of Arctic and Pacific areas) _____

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1439	25	6021	1		
1513	25	6022	1		
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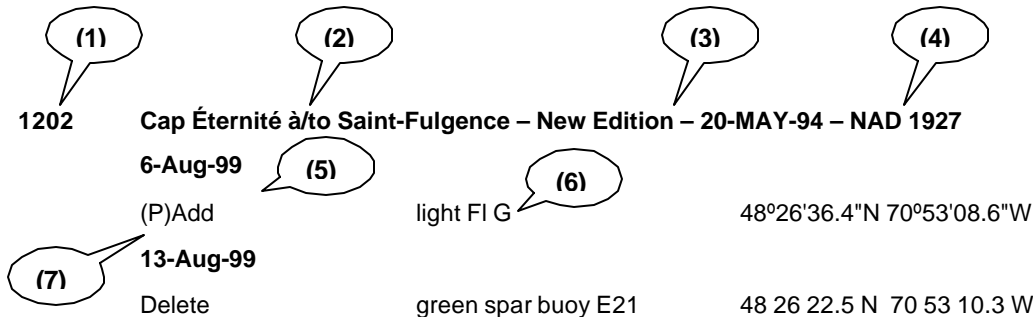
NEWSLETTER

NOTICE TO USERS

In our quest to improve our service to our clients, we are implementing the following changes to the Monthly Edition of Notices to Mariners at the start of the new millennium.

CHART CORRECTIONS – SECTION II

Corrections to nautical charts will be listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to CHS Chart 1 Symbols, Abbreviations Terms for additional information pertaining to the correction of charts. The illustration below describes the elements that will comprise a typical Section II chart correction.



(1) **Chart Number**

(2) **Chart Title**

(3) **Most recent chart edition date**

(4) **Chart Datum**

(5) **Weekly chart correction date**

(6) **Chart action**

(7) **Notice type**

UPCOMING NEW FEATURES

Activity Reports

A Regional Activity Report will be compiled detailing marine aid activities that have not yet been incorporated on charts or related nautical publications. These activity reports will be updated on a monthly basis and are to be used as a reference tool only and should not differ you from using caution when navigating in these areas. Charts and nautical publications will be updated to reflect the changes mentioned in the activity reports as expeditiously as possible.

Paper Mailing List

A renewal subscription address card will be mailed out through the Monthly Edition.

Notices to Mariner Internet Site – notmar.com

Publications

As an Internet user you now have access to all the Notices to Mariners publications free of cost. All volumes of the List of Lights, Buoys & Fog Signals as well as the Annual Edition of Notices to Mariners are kept-up-to date on a Monthly basis.

Chart User Profile

Users can set up a 'user profile' account on the site to receive Notices to Mariners chart correction changes via e-mail.

Weekly Posting of Chart Corrections

Chart corrections will soon be posted to the Internet Site on a weekly basis.

We will keep you posted in future Newsletters on the implementation of these new features.

CANADIAN HYDROGRAPHIC SERVICE - Charts.

CHART	TITLE & CONTENTS	SCALE	DATED	CAT#	PRICE
1. New Charts.					
<u>ST. LAWRENCE RIVER/FLEUVE SAINT-LAURENT</u>					
1311	Sorel à/to Montréal	1:40 000	05-NOV-99	1	\$20.00
	Limit(s): 45°40'30"N 73°28'06"W				
	45°40'30"N 73°04'48"W				
	46°04'24"N 73°04'48"W				
	46°04'24"N 73°28'06"W				
	and Inset: (1) Terminal Contrecoeur	1:10 000			
	Limit(s): 45°49'00"N 73°18'30"W				
	45°49'00"N 73°16'12"W				
	45°50'54"N 73°16'12"W				
	45°50'54"N 73°17'00"W				
	45°49'51.09"N 73°18'30"W				
	NOTE: This chart incorporates and cancels Notices 68(P)/91, 75(T)/92, 1137(P)/98, 1151(P)/98, 2111(P)/98, 2134(P)/98, 502 (P)/99 and 703(P)/99.				
<u>GEORGIAN BAY/BAIE GEORGIENNE</u>					
2241	Port Severn to/à Christian Island	1:40 000	30-JUL-99	3	28.00
	Limit(s): 44°43'30"N 80°11'44"W				
	44°43'30"N 79°39'00"W				
	45°00'00"N 79°39'00"W				
	45°00'00"N 80°11'44"W				
	and Inset: (1) Waubaushene	1:15 000			
	Limit(s): 44°45'00"N 79°43'38"W				
	44°45'00"N 79°41'21"W				
	44°46'19"N 79°41'21"W				
	44°46'19"N 79°43'38"W				
	NOTE: This chart incorporates Notices 333(P)/97, 336(P)/97, 403(P)/97, and is affected by Notice 1723(P)/98.				
2. New Editions.					
<u>ONTARIO</u>					
6021	LAKE MUSKOKA	1:25 000	24-SEP-99	3	20.00
6022	LAKE ROSSEAU AND/ET LAKE JOSEPH	1:25 000	24-SEP-99	3	20.00

3. Charts Permanently Withdrawn.

<u>Chart</u>	<u>Title</u>	<u>On Publication of Chart</u>
1338	LAC SAINT-PIERRE À/TO LAVALTRIE	1311
1339	LAVALTRIE À/TO LONGUE-POINTE	1311
2239	PORT SEVERN TO/À HOPE ISLAND	2241

CANADIAN HYDROGRAPHIC SERVICE - Cumulative chart correction list.

The accompanying correction list is a cumulative list of charts affected by Notices to Mariners from 01-JANUARY-99 to 31-DECEMBER-99

<u>Chart</u>	<u>Edition and Notices to Mariners Numbers</u>
1202	14(704/99)
1209	43(1957/99), 14(704/99)
1220	39(1747/99), 29(1323/99), 5(149/99)
1221	27(1300/99 New Edition)
1226	39(1747/99)
1230	22(945/99), 21(925/99), 5(150/99), 3(122/99)
1233	52(2326/99), 35(1523/99 New Edition)
L/C 1234	40(1903/99), 23(1104/99), 16(729/99), 13(576/99), 11(542/99)
L/C 1235	42(1935/99)
L/C 1236	10(509/99), 9(317/99, 314/99)
1310	28(1315/99), 22(953/99 New Edition), 21(931/99), 15(720/99)
1312	45(2101/99), 38(1739/99, 1734/99), 34(1509/99), 21(933/99), 19(914/99), 18(766/99 New Edition), 16(734/99, 732/99)
1313	46(2110/99), 34(1509/99), 8(311/99)
1315	20(916/99)
1316	22(953/99 New Edition)
1317	40(1905/99), 11(519/99 New Edition), 10(511/99)
1338	35(1516/99), 10(506/99)
1409	39(1754/99 New Edition), 11(545/99), 4(135/99)
1410	43(1958/99), 39(1754/99 New Edition), 33(1505/99), 19(910/99), 11(545/99)
1411	29(1337/99), 11(527/99), 1(108/99)
1412	44(1974/99 Permanently Withdrawn), 29(1324/99)
1413	44(1974/99 Permanently Withdrawn), 33(1504/99), 5(163/99)
1432	44(1974/99 New Chart)
1433	46(2120/99), 27(1300/99 New Chart)
1434	33(1504/99), 5(165/99)
1435	11(532/99), 1(105/99)
1436	40(1906/99), 11(532/99)
1437	41(1930/99)
1438	41(1930/99)
1439	40(1916/99, 1907/99)
2006	41(1925/99)
2007	53(2356/99), 49(2300/99), 41(1926/99), 40(1909/99)
2017	41(1925/99), 40(1916/99, 1907/99), 7(303/99)
2018	41(1925/99), 40(1907/99), 7(303/99), 5(160/99)
2042	29(1333/99)
L/C 2058	40(1915/99)
2059	40(1915/99)
L/C 2064	40(1907/99), 22(953/99 New Edition), 5(160/99)
2067	22(952/99), 5(161/99)

Chart	Edition and Notices to Mariners Numbers
2069	53(2356/99), 40(1909/99)
L/C 2077	43(1953/99), 27(1300/99 New Edition)
2085	29(1332/99), 11(534/99)
L/C 2100	53(2359/99), 18(766/99 New Edition), 14(709/99)
L/C 2110	16(738/99)
L/C 2120	14(709/99), 9(341/99 New Edition)
L/C 2121	11(528/99)
L/C 2122	40(1914/99), 11(528/99)
L/C 2123	17(750/99)
2181	40(1917/99)
L/C 2200	51(2316/99), 43(1947/99), 41(1929/99), 40(1908/99), 15(714/99)
L/C 2201	53(2354/99), 46(2124/99, 2122/99, 2121/99), 40(1913/99, 1910/99), 36(1709/99)
2218	53(2342/99)
2222	29(1331/99)
2225	53(2335/99), 36(1708/99)
L/C 2228	41(1929/99), 15(714/99)
2235	53(2341/99), 51(2316/99), 46(2124/99, 2122/99)
L/C 2243	36(1708/99)
L/C 2244	43(1948/99), 14(707/99)
L/C 2245	36(1716/99, 1714/99), 14(707/99)
2250	36(1704/99)
2251	51(2311/99), 46(2125/99), 37(1727/99, 1726/99), 36(1715/99, 1704/99), 23(1111/99), 1(107/99)
2257	53(2352/99, 2351/99, 2343/99)
2259	46(2119/99), 36(1706/99, 1703/99)
2268	36(1705/99, 1703/99), 22(938/99)
2273	51(2316/99)
L/C 2282	46(2122/99), 40(1910/99)
2283	53(2362/99 New Chart)
L/C 2284	36(1708/99), 23(1112/99)
2286	43(1947/99), 41(1932/99, 1927/99), 36(1719/99, 1716/99)
2289	36(1709/99), 23(1113/99), 13(571/99), 11(535/99)
2291	53(2339/99), 36(1707/99)
2292	40(1908/99), 36(1713/99)
2293	37(1724/99), 17(751/99)
2294	53(2355/99), 36(1719/99)
2297	53(2353/99), 37(1727/99), 1(103/99)
2298	53(2341/99), 51(2316/99), 1(103/99)
2299	53(2353/99, 2352/99, 2351/99, 2343/99), 43(1947/99)
L/C 2301	51(2317/99), 46(2116/99), 15(712/99)
L/C 2302	46(2116/99), 15(712/99)
2303	15(712/99)
2304	51(2315/99)
2306	51(2315/99)
2308	15(712/99)
L/C 2309	35(1523/99 New Edition), 22(951/99), 15(712/99)
2310	46(2117/99), 15(712/99)
2311	51(2305/99), 27(1300/99 New Edition), 15(712/99)
2312	15(712/99)
2313	15(712/99)
2314	51(2317/99, 2310/99), 27(1300/99 New Edition), 15(712/99)
2315	46(2115/99)
L/C 3000	53(2360/99), 39(1745/99), 10(507/99)
L/C 3001	53(2360/99, 2350/99, 2344/99), 43(1951/99), 11(525/99), 9(331/99)
L/C 3002	53(2360/99), 43(1950/99), 20(917/99), 11(538/99, 525/99), 10(507/99)
3419	38(1740/99), 9(323/99)

Chart	Edition and Notices to Mariners Numbers
3424	11(536/99)
3440	38(1740/99), 27(1305/99), 18(766/99 New Edition)
3441	21(932/99)
3442	9(336/99, 329/99)
3443	29(1321/99), 11(516/99), 9(336/99)
3457	17(746/99)
3458	29(1321/99), 17(746/99), 11(516/99)
L/C 3461	53(2365/99), 27(1305/99), 17(753/99), 11(536/99)
L/C 3462	53(2365/99), 27(1305/99), 21(932/99), 17(753/99), 16(733/99), 11(536/99), 9(329/99)
L/C 3463	29(1321/99), 11(516/99), 10(505/99), 9(336/99, 330/99, 316/99)
3473	9(336/99)
3481	30(1340/99), 29(1318/99), 10(505/99), 9(316/99)
3490	27(1312/99), 9(330/99)
3491	29(1318/99)
3492	31(1343/99), 9(330/99), 5(174/99 Reprint)
3493	30(1340/99), 18(766/99 New Edition), 10(505/99)
3494	18(766/99 New Edition)
3495	18(766/99 New Edition)
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L/C 3513	11(516/99)
3515	13(574/99)
3526	16(731/99, 728/99), 10(505/99)
3527	11(516/99)
3534	16(728/99)
3535	11(516/99)
3545	23(1107/99, 1103/99), 13(574/99)
3546	23(1107/99, 1103/99), 13(574/99), 11(523/99)
3548	23(1102/99)
3549	11(525/99)
3550	53(2360/99), 11(525/99)
3598	53(2360/99), 11(525/99)
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L/C 3605	53(2360/99), 11(525/99)
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3670	14(705/99)
3675	11(519/99 New Chart)
3676	11(519/99 New Chart)
3710	22(947/99)
3711	33(1507/99)
3720	43(1949/99), 36(1702/99), 12(558/99)
3724	20(917/99)
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3729	12(559/99)
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Chart	Edition and Notices to Mariners Numbers
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3957	49(2301/99)
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L/C 4003	52(2321/99), 44(1965/99), 34(1508/99), 26(1137/99, 1130/99), 25(1126/99), 21(928/99), 18(759/99), 16(735/99), 12(550/99)
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4201	25(1121/99)
4202	26(1128/99), 25(1121/99)
4209	35(1517/99), 26(1139/99), 20(915/99)
4210	26(1134/99)
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4244	52(2320/99), 48(2133/99), 25(1123/99)
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4587	51(2318/99)
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4593	7(306/99), 5(171/99)
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4598	31(1352/99), 14(710/99)
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L/C 4625	44(1963/99)
4633	43(1959/99)
4634	2(115/99)
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4640	52(2327/99), 51(2306/99), 39(1754/99 New Edition), 35(1514/99), 3(120/99)
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4644	35(1523/99 New Edition), 3(131/99)
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4669	1(109/99)
4682	9(332/99)
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4701	17(745/99), 11(546/99, 517/99)
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4703	13(566/99), 11(515/99), 5(159/99)
4705	44(1974/99 Permanently Withdrawn)
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4728	13(569/99), 11(541/99)
L/C 4730	29(1319/99), 26(1127/99), 19(901/99), 10(500/99)
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4863	27(1300/99 New Chart)
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L/C 4906	52(2329/99), 11(524/99), 10(503/99)
4909	52(2329/99)
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4954	39(1746/99)
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5003	22(935/99)
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5043	19(901/99), 1(100/99)
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5047	9(322/99)
5048	27(1310/99), 10(500/99)
5049	26(1127/99), 10(508/99), 3(124/99)
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5133	13(566/99)
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5135	19(901/99), 10(513/99), 1(100/99)
5138	15(716/99), 5(145/99, 144/99, 143/99, 141/99)
5143	13(569/99)
5397	17(749/99)
5400	41(1924/99)
5457	9(341/99 New Edition)
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7083	51(2308/99)
7302	29(1336/99)
7621	51(2314/99, 2309/99)
7646	46(2114/99)
7664	43(1952/99)
7665	41(1928/99)
7666	51(2309/99)
7687	41(1928/99)
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7733	46(2114/99), 36(1721/99)
7735	36(1720/99)
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7784	51(2308/99)
7950	29(1330/99)
7951	29(1330/99)
L/C 8005	52(2321/99), 34(1512/99, 1508/99), 26(1130/99), 15(715/99)
L/C 8006	25(1126/99), 15(717/99)
L/C 8007	26(1137/99), 16(723/99), 12(564/99, 550/99)

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L/C 8047 29(1319/99), 26(1127/99), 19(901/99)
 L/C 8048 19(901/99)
 L/C 8049 17(745/99)

(AMA8035-10-1)

(CCG-H00-011)

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 3 of 2000 (**The asterisk indicates changes since Monthly edition 12, 1999**). Please refer to the Monthly Notices to Mariners for detail.

Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
*1202	NE	10-Sep-99		*1432	NC	09-Jul-99	
1203	NE	04-Jan-85	10-Feb-95	*1433	NC	28-May-99	
1209	NE	14-Dec-84	02-Aug-96	1434	NC	01-Mar-96	
1220	NE	28-Feb-97		1435	NC	15-Dec-95	
1221	NE	23-Apr-99		1436	NC	15-Jan-93	03-Jan-97
1223	NE	03-Oct-97		1437	NC	19-Mar-93	30-May-97
*1226	NE	19-Nov-99		1438	NE	06-Oct-95	
1229	NE	31-Dec-76	15-Dec-95	1439	NE	22-Feb-91	07-Feb-97
1230	NE	29-Feb-80	10-Feb-89	1509	NC	18-May-90	27-Jun-97
*1233	NE	28-May-99		1510	NE	23-Jan-98	
L/C1234	NE	24-Jul-98		1512	NE	03-Aug-84	09-Oct-92
L/C1235	NE	25-Apr-97		1513	NE	07-Jun-96	
L/C1236	NE	25-Sep-98		1514	NC	24-Jul-98	
1260	NC	04-Jan-91		1515	NC	24-Jul-98	
*1310	NE	12-Mar-99		1550	NE	05-Jan-96	
*1311	NC	05-Nov-99		1551	NE	27-Jun-86	
*1312	NE	02-Apr-99		1552	NE	05-Jun-98	
1313	NE	27-Jun-97		1553	NC	15-Feb-80	21-Apr-95
1314	NE	04-Sep-98		1554	NE	16-Sep-88	15-Aug-97
1315	NE	25-Sep-98		1555	NC	12-Oct-79	
1316	NE	26-Feb-99		L/C2000	NE	10-Apr-98	
1317	NE	15-Jan-99		2006	NE	03-Jul-87	16-Feb-90
1350	NC	06-Jul-84	25-Mar-94	2007	NE	10-Sep-82	09-Sep-94
1351	NC	21-Sep-84	11-Aug-95	2011	NC	08-Jul-88	
1361	NE	28-May-76	01-Mar-96	2017	NC	13-Jul-90	
*1400	NE	25-Jun-99		2018	NC	22-Jun-90	
*1409	NE	21-May-99		2021	NE	25-Jun-93	
*1410	NE	25-Jun-99		2022	NE	02-Aug-96	
1411	NE	02-Aug-96		2023	NE	01-Mar-85	24-Mar-95

Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
2024	NE	29-Mar-85	16-Dec-94	L/C2245	NE	06-Jun-86	05-Apr-96
2025	NE	01-Mar-85	28-May-93	2250	NC	09-May-86	
2026	NE	05-Apr-85	15-Dec-95	2251	NC	11-Apr-86	26-Jun-92
2028	NE	05-Jun-98		2257	NE	02-Nov-84	07-Jun-96
2029	NE	20-Mar-87	08-May-92	2258	NE	16-Jun-89	05-Apr-96
2042	NE	07-Oct-94		2259	NE	15-Jun-62	02-Jul-93
2043	NC	29-Nov-68	26-Mar-82	*2260	NE	05-Feb-99	
2044	NC	28-Feb-97		2261	NE	13-Jun-86	21-Apr-95
2047	NC	07-Apr-95		2266	NC	22-Jun-84	
2048	NC	11-Oct-91		2267	NC	22-Jun-84	
2049	NC	10-May-85		2268	NE	31-Mar-89	06-May-94
2050	NC	10-May-85		2273	NC	13-Oct-55	22-Aug-75
2053	NC	10-May-85		2274	NE	08-Jun-90	
2054	NC	10-May-85		L/C2282	NE	07-Jun-96	
2055	NC	05-Jul-91		*2283	NC	30-Jul-99	
2058	NE	25-Feb-00		L/C2284	NE	27-Oct-89	07-Jun-96
2059	NC	31-Jul-98		2286	NE	21-Jan-83	25-Aug-95
L/C2060	NE	28-Jun-85	01-Jul-94	2289	NE	16-Oct-87	05-Jun-92
*2064	NE	05-Mar-99		2291	NE	12-Jun-81	15-Apr-88
2067	NE	01-Nov-85	15-Feb-91	2292	NE	28-Apr-89	05-Apr-96
2069	NE	04-Mar-83	13-Feb-98	2293	NE	11-Jun-65	12-Dec-80
2070	NE	29-Apr-83		2294	NE	23-Jun-89	24-Jan-97
*2077	NE	23-Apr-99		2297	NE	20-Jan-60	19-Sep-97
2085	NE	22-Jun-90	08-Apr-94	2298	NE	02-Jul-58	13-Feb-81
2086	NC	09-Jun-89	03-Apr-92	2299	NE	30-Sep-83	30-Jun-95
*L/C2100	NE	25-Dec-98		L/C2300	NC	24-Apr-98	
L/C2110	NE	29-May-98		L/C2301	NE	22-Feb-91	
*L/C2120	NE	06-Nov-98		L/C2302	NE	02-Aug-85	
L/C2121	NC	18-Dec-87		2303	NE	18-May-55	29-Jun-90
L/C2122	NE	05-Jul-91	05-Apr-96	2304	NE	31-May-57	01-Feb-80
L/C2123	NE	12-Mar-93	04-Apr-97	2305	NE	17-Dec-56	08-Feb-80
2140	NC	16-Sep-88		2306	NE	03-May-57	09-May-75
2165	NC	08-Mar-91		2307	NE	31-Aug-56	11-Mar-77
2181	NE	10-Nov-89		2308	NE	19-Jul-46	21-Apr-78
L/C2200	NE	01-May-87	17-Apr-92	*2309	NE	23-Jul-99	
L/C2201	NE	18-Nov-98		2310	NE	03-Jun-46	01-Feb-80
*2202	NE	26-Mar-99		*2311	NE	23-Apr-99	
2203	NE	07-Oct-88	13-Nov-92	2312	NE	13-Nov-87	08-Apr-94
2204	NE	06-May-83	12-Feb-93	2313	NE	21-Jun-57	28-Oct-77
2205	NE	18-Dec-87	06-Mar-92	*2314	NE	23-Apr-99	
2206	NC	27-Jun-97		2315	NE	22-Apr-88	
2218	NC	13-Apr-84		2318	NE	03-Dec-82	
2221	NE	07-Jun-96		2400	NE	29-Jun-90	
2222	NC	13-Apr-84		L/C3000	NE	20-Jan-89	22-Apr-94
2223	NC	13-Apr-84		L/C3001	NE	07-Oct-94	
2225	NE	08-Mar-91	11-Jul-97	L/C3002	NE	16-Dec-94	
2226	NE	22-Nov-91		3050	NE	03-May-96	
L/C2228	NC	16-Feb-90		3052	NE	07-Oct-94	
2235	NE	24-Sep-99		3053	NC	11-Apr-86	02-Feb-90
2241	NC	30-Jul-99		3055	NC	21-Jun-91	
L/C2243	NE	30-Aug-85	08-Apr-94	3056	NC	21-Jun-91	
L/C2244	NE	12-Jun-87	16-Jun-95	3057	NC	21-Jun-91	

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Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
3058	NC	21-Jun-91		3544	NE	25-Sep-87	01-May-98
3061	NE	29-Oct-99		3545	NC	28-Apr-89	12-Aug-94
3062	NC	24-May-85		3546	NC	28-Apr-89	11-Jul-97
3080	NE	03-Apr-92		3547	NC	28-Apr-89	05-Apr-96
3311	NE	31-Dec-93		3548	NE	26-Sep-97	
3312	NC	31-Jan-86	05-Apr-91	3549	NC	03-Dec-93	05-Apr-96
3313	NC	28-Jul-95		3550	NC	03-Dec-93	02-Jan-98
3410	NC	24-Mar-95		3552	NC	02-Jan-87	02-Apr-93
3411	NC	24-Mar-95		3555	NE	27-Jun-86	09-Apr-93
3415	NE	13-Feb-87	08-Apr-94	3559	NC	15-Jun-79	02-Feb-90
3419	NC	02-Jul-93		3564	NC	04-Dec-87	08-Sep-95
3424	NC	24-Jul-87	02-Apr-93	3598	NE	14-Aug-87	11-Oct-91
*3440	NE	25-Dec-98		3601	NC	26-Aug-94	
3441	NE	12-Aug-88	06-Dec-96	L/C3602	NE	24-May-85	12-Aug-94
3442	NE	03-Jun-88	06-Dec-96	L/C3603	NE	23-Oct-81	01-Nov-91
3443	NE	30-Jan-98		L/C3604	NE	06-Nov-87	13-Jun-97
3447	NC	10-Dec-99		L/C3605	NE	06-Mar-98	
3458	NE	10-Mar-95		L/C3606	NE	27-Jul-84	03-Sep-93
3459	NE	24-Oct-97		3623	NE	26-Aug-77	06-Jan-89
L/C3461	NC	06-Jan-84	02-Dec-94	3624	NE	19-Aug-88	22-Apr-94
L/C3462	NE	23-Oct-98		3625	NC	25-Oct-68	10-Mar-89
L/C3463	NE	03-Oct-97		3646	NE	30-Jun-95	
3473	NE	13-Feb-87	04-Dec-92	3647	NE	05-Jul-85	02-Jan-98
3475	NE	27-May-88	02-Jul-93	3651	NE	09-Apr-93	
3476	NC	31-Aug-84	22-Apr-94	3668	NE	12-Mar-93	
3477	NE	03-May-85	08-Sep-89	3670	NE	21-Oct-94	
3478	NE	24-Feb-95		3671	NE	27-Aug-82	03-Jun-94
3481	NE	05-Dec-86	17-Dec-93	3673	NC	01-Dec-95	
3488	NC	21-Oct-94		3674	NC	01-Dec-95	
3489	NC	21-Oct-94		*3675	NC	20-Nov-98	
3490	NE	25-Jul-97		*3676	NC	20-Nov-98	
3491	NE	05-Jan-96		3679	NC	14-Jun-91	21-Feb-97
3492	NC	27-Jun-97	27-Nov-98	3680	NE	07-Apr-78	26-Apr-91
*3493	NE	18-Dec-98		3681	NC	08-Jun-90	
*3494	NE	18-Dec-98		3682	NE	05-Jun-87	
*3495	NE	18-Dec-98		3683	NE	06-Mar-98	
*L/C3512	NE	25-Dec-98		3685	NE	25-Aug-95	
3513	NE	29-Oct-99		3686	NC	08-Apr-88	02-Dec-94
3514	NE	02-Aug-96		3710	NE	04-Jul-86	15-Jun-90
3515	NC	18-Jan-91	03-Jun-94	3711	NE	15-Jun-84	19-Feb-93
3526	NE	24-Feb-95		3717	NE	28-Jul-95	
3527	NE	01-Jan-88	02-Apr-93	3719	NE	17-Apr-61	11-Nov-88
3534	NE	07-May-93		3720	NE	12-Feb-88	03-Sep-93
3535	NE	16-Aug-85	16-Apr-93	3721	NE	26-Aug-94	
3536	NC	21-Apr-78	16-Apr-93	3722	NE	07-Feb-64	04-Sep-87
3537	NC	27-Sep-85	22-Jun-90	3723	NE	29-Jun-84	
3538	NE	27-Nov-92	02-Aug-96	3724	NE	23-May-80	21-Apr-95
3539	NE	04-Aug-89	25-Apr-97	3726	NE	23-May-80	06-Jan-89
3540	NE	22-May-92		3727	NE	29-Jun-62	24-Mar-95
3541	NE	29-Jul-94		3728	NE	05-Feb-82	24-Jan-97
3542	NE	01-Jul-94		3729	NE	06-Mar-98	
3543	NE	27-Nov-92	30-May-97	3730	NC	30-Nov-60	21-Dec-90

Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
3733	NC	01-Feb-56		3921	NE	15-Dec-95	
3734	NE	09-Jul-76	24-May-91	3927	NE	29-May-98	
3736	NE	31-Aug-90		3931	NC	21-Feb-92	
3737	NE	14-Aug-87	21-Apr-95	3932	NC	21-Feb-92	12-Jun-98
3738	NE	04-Feb-83	24-Mar-95	3933	NE	20-Jan-89	19-Feb-93
3739	NE	03-Feb-84	01-Sep-89	3934	NC	21-Feb-92	02-Jun-95
3740	NE	20-May-77	06-Dec-96	3940	NC	01-Mar-96	
3741	NE	15-Feb-63	30-Jun-89	3955	NC	15-Feb-85	20-May-94
3742	NE	16-Jul-82	02-Aug-96	3956	NE	01-Mar-96	
3743	NE	25-Mar-77	10-Feb-95	3957	NE	05-Jun-98	
L/C3744	NE	20-May-88		3958	NE	24-Mar-95	
3745	NE	12-Jun-98		3959	NC	11-Dec-87	03-Jul-92
3746	NE	12-Aug-77	02-Jul-93	*3960	NC	13-Aug-93	16-Apr-99
3747	NE	16-Sep-77	30-May-97	3962	NE	26-Jan-79	18-Jun-93
3753	NE	30-Apr-59	12-Aug-88	3963	NC	26-Oct-90	12-Jun-98
3761	NE	19-Aug-88		*3964	NE	30-Apr-99	
3772	NE	30-Oct-64	29-Jan-93	3994	NE	20-Jan-89	22-Sep-95
3773	NE	26-Apr-85	06-Dec-96	4000	NE	14-Dec-84	
3781	NE	18-May-59	15-Mar-91	L/C4001	NE	01-Dec-95	
3784	NE	23-Jul-82	16-Dec-94	L/C4002	NE	27-Dec-91	05-Jul-96
3785	NE	04-Oct-91	12-Jun-98	L/C4003	NE	14-Dec-84	29-Jul-94
3786	NC	05-Jul-46	12-Mar-93	L/C4006	NE	14-Dec-84	19-Feb-93
3787	NE	29-Jul-77	04-Apr-97	L/C4010	NE	18-Nov-83	10-Jul-92
3794	NE	07-Feb-75	17-Mar-89	L/C4011	NE	31-Oct-97	
3795	NE	01-May-64	09-Jul-93	L/C4012	NE	13-Mar-87	14-Jul-95
*L/C3802	NE	24-Nov-89	07-May-99	L/C4013	NE	07-Nov-86	03-Jul-92
*3807	NE	05-Feb-99		L/C4015	NE	24-Jul-92	
3808	NC	30-Mar-62	13-Oct-89	L/C4016	NE	05-May-95	
3809	NE	24-Aug-79	24-Mar-95	L/C4017	NE	16-Jun-95	
3811	NE	06-Dec-63	27-Sep-91	L/C4020	NE	27-Dec-91	
3825	NE	16-Dec-77	09-Jun-89	L/C4021	NE	27-Dec-91	
L/C3853	NE	02-Mar-90	05-Apr-96	L/C4022	NE	27-Dec-91	02-Aug-96
L/C3854	NE	23-Oct-87	23-Apr-93	L/C4023	NE	28-Nov-86	05-Jan-96
3855	NE	13-Jan-67	26-Apr-91	L/C4024	NE	27-Dec-91	
3857	NE	17-Nov-67	10-Jul-87	L/C4025	NE	27-Dec-91	
3858	NE	28-Jul-67	28-Jul-89	L/C4026	NE	27-Dec-91	18-Jul-97
3859	NE	21-Aug-98		L/C4045	NC	08-Aug-86	
3860	NE	12-Sep-69	05-Jan-90	4047	NE	09-Oct-98	
3863	NE	25-Apr-80	16-Mar-90	L/C4049	NE	19-May-95	
3864	NE	11-May-62	17-Dec-93	L/C4098	NC	21-Sep-84	
3865	NE	01-Nov-55	10-Jul-87	L/C4099	NC	21-Sep-84	
3868	NE	12-Jul-68	19-Apr-91	4114	NC	08-May-92	
3869	NE	28-Nov-86	02-Mar-90	L/C4116	NC	09-Apr-93	
3890	NC	14-Mar-86	07-Apr-95	4117	NC	28-Oct-88	
3891	NC	08-Sep-89	01-Aug-97	*L/C4118	NE	13-Nov-98	
3892	NC	13-Jan-84	03-Jun-94	4124	NC	07-Aug-92	
3893	NC	13-Jan-84		4130	NC	30-May-69	17-Dec-76
3894	NE	12-Jun-98		4140	NC	07-Jan-72	02-Jul-82
3895	NC	15-Jun-84	09-Jun-89	4141	NE	01-Nov-96	
L/C3902	NE	09-Dec-88	27-Jun-97	4142	NE	01-Nov-96	
3909	NC	11-Dec-87	03-Jun-94	4145	NE	22-Mar-91	
3920	NC	18-Jan-91		4170	NC	28-Feb-92	

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Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
4201	NE	26-Jan-90	10-Mar-95	4394	NE	14-Sep-90	
4202	NE	31-Dec-99		4395	NE	25-May-90	
4203	NC	07-Aug-87	07-Nov-97	4396	NE	19-Feb-88	30-Jul-93
4209	NC	21-Oct-94		4399	NC	03-Apr-42	26-Aug-83
4210	NC	05-Apr-91		4402	NE	25-Dec-98	
4211	NE	07-Dec-90	02-Jun-95	L/C4403	NE	21-Jun-85	24-Dec-93
L/C4227	NC	24-May-91		L/C4404	NE	26-Jul-85	29-Jun-90
L/C4230	NC	15-Jun-90	26-Jun-98	L/C4405	NE	12-Jul-85	21-Jul-89
L/C4233	NC	11-Jan-91		L/C4406	NE	27-Feb-98	
L/C4234	NC	10-Apr-87	26-Dec-97	4416	NE	01-May-98	
L/C4235	NC	31-Mar-89		4419	NE	12-Aug-88	02-Feb-96
L/C4236	NC	30-Jan-87	28-Jul-95	4420	NE	03-Oct-69	06-Nov-81
L/C4237	NC	30-Dec-88	30-Jan-98	4421	NE	11-Oct-68	23-Mar-79
L/C4240	NC	06-Oct-89	06-Jun-97	4422	NE	10-Oct-69	17-Jun-94
L/C4241	NC	01-Dec-89	02-Aug-96	4425	NE	02-May-80	17-Oct-97
L/C4242	NE	28-Aug-92		4426	NE	18-Mar-88	
L/C4243	NC	20-Jun-86	25-Aug-89	4428	NE	06-Oct-78	
4244	NC	21-Feb-86	26-Apr-91	4429	NE	04-Jun-93	
4245	NE	28-Nov-86	25-Dec-92	4430	NE	02-Oct-81	21-May-93
L/C4255	NC	27-Jul-90		4432	NE	14-Dec-84	15-Jun-90
4266	NC	29-Sep-89		4440	NE	18-Jul-80	
4275	NE	23-Dec-83	03-May-96	4443	NC	16-Jun-67	18-Feb-77
4276	NE	25-Jul-97		4445	NC	17-Jun-49	07-Dec-79
4277	NE	17-Apr-98		4446	NC	06-Jan-53	31-Dec-93
4278	NE	20-Mar-98		4447	NE	09-Nov-84	
4279	NE	28-Aug-98		4448	NE	27-Apr-90	
4281	NE	20-Feb-87	14-Jul-95	4449	NE	03-Jul-98	
4306	NE	14-Jun-85	07-Jun-96	4450	NE	02-Mar-73	13-Nov-87
4307	NE	15-Feb-85	13-Nov-92	L/C4451	NE	27-Mar-87	15-Jul-88
4308	NE	07-Sep-84	27-Sep-91	4452	NE	29-Jul-83	
L/C4320	NE	26-Sep-97		4453	NE	17-Dec-82	
L/C4321	NE	11-Oct-85	01-Feb-91	4454	NE	03-Feb-78	
4328	NE	10-Jul-98		4455	NE	10-Sep-76	20-Oct-89
4331	NE	19-Oct-84	26-Dec-97	*4456	NE	19-Dec-80	17-Jun-94
4332	NE	29-Dec-61	24-Jan-97	*4459	NE	25-Jun-99	
L/C4335	NE	14-Aug-98		4460	NE	11-Sep-87	03-May-91
4337	NE	03-Jan-86		L/C4462	NE	28-Jun-85	06-Jun-97
L/C4340	NE	12-Apr-91		L/C4463	NE	09-Aug-85	15-Jun-90
4342	NE	03-Jun-88	26-Apr-91	L/C4464	NE	11-Oct-85	15-Jun-90
L/C4363	NE	01-Nov-85	13-Nov-92	4466	NE	17-May-91	01-Mar-96
4365	NE	08-Dec-72	29-Feb-80	4467	NE	21-Mar-69	01-Mar-96
L/C4367	NE	01-Nov-85	06-Jul-90	4468	NE	12-Jul-85	
L/C4374	NE	27-Dec-85	26-Mar-93	4469	NE	08-Nov-85	
L/C4375	NE	25-Oct-85	01-Jan-93	4470	NE	04-Jan-80	
4376	NE	02-Oct-87	11-Aug-95	4471	NE	11-Feb-77	11-Aug-89
4377	NE	06-Nov-98		4472	NE	14-Aug-81	
4379	NE	31-Oct-86	14-Feb-92	4473	NE	25-Nov-77	
4381	NE	17-Jan-86	03-May-96	*4474	NE	28-May-99	
4384	NE	31-Oct-86	13-Aug-93	4483	NE	12-Aug-88	
L/C4385	NE	07-Jun-96		L/C4485	NE	26-Sep-97	
4386	NE	03-Oct-86	24-Mar-95	*4486	NE	19-Feb-99	
4391	NE	21-Feb-92		4491	NC	06-May-66	01-Feb-80

Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
4492	NC	04-Feb-66	25-Jul-80	4637	NE	14-Aug-87	19-May-89
4497	NE	30-Jul-71	12-Oct-79	4638	NC	20-Sep-55	12-Dec-80
4498	NE	23-Oct-87	03-Nov-95	4639	NC	20-Sep-55	12-Dec-80
4504	NC	14-Feb-64	23-Jan-76	*4640	NE	27-Aug-99	
4505	NC	14-Feb-64	14-Feb-75	4641	NE	25-Dec-98	
4506	NC	28-Feb-64	25-Jun-82	4642	NC	18-Jan-60	31-Mar-78
4507	NC	28-Feb-64	30-Jan-76	4643	NE	03-May-85	15-May-92
4509	NC	05-Dec-69	21-Jul-78	*4644	NE	25-Jun-99	
4510	NC	22-Mar-68	15-Jul-94	4652	NE	31-Oct-80	
4511	NC	10-Jul-64	17-Oct-80	4653	NE	12-Mar-76	24-Mar-95
4512	NC	30-Oct-64	09-Feb-79	4654	NC	27-Oct-52	22-Sep-78
4514	NE	23-Oct-81	29-Sep-89	4658	NC	08-May-70	15-Feb-80
4515	NE	20-Nov-98		4659	NC	10-Oct-57	08-Sep-78
4516	NE	02-Nov-62	10-Dec-76	4661	NC	20-Sep-55	23-Jun-89
4518	NC	18-Oct-51	26-Jan-79	4663	NC	10-Oct-57	03-Sep-76
4519	NC	13-Oct-51	04-Feb-83	4665	NC	10-Oct-57	08-May-81
L/C4520	NE	02-Jun-95		4666	NC	10-Oct-57	20-Jun-86
4521	NE	04-Jun-65	08-Sep-78	4667	NE	08-Oct-65	13-Aug-76
4522	NC	15-Jul-59	04-Sep-81	4668	NC	10-Oct-57	23-Oct-87
4523	NC	27-Mar-64	13-Jun-75	4669	NC	10-Oct-57	29-Mar-85
4524	NE	07-Feb-64	15-Aug-80	4670	NC	10-Oct-57	29-Jul-77
4529	NE	30-Sep-88		4679	NE	31-Dec-76	04-Jun-82
4530	NE	11-Mar-83	17-Apr-92	4680	NC	02-Jan-59	27-Feb-76
4531	NC	24-May-74	14-Mar-97	4682	NC	19-Oct-62	01-May-87
4538	NE	26-Mar-76		L/C4700	NE	30-Dec-94	
4540	NC	10-Oct-57	26-Jan-79	4701	NC	27-Dec-63	23-Oct-81
4541	NC	10-Oct-57	03-Oct-80	4702	NC	17-Jan-64	28-Sep-90
4542	NE	09-Sep-66	23-Jan-76	4703	NE	31-Jan-64	26-Aug-94
4582	NC	14-Feb-64	10-Sep-76	4712	NC	21-Feb-64	01-Feb-74
4583	NC	16-Jan-61	02-Jul-82	4722	NE	27-Feb-87	
4584	NC	02-Jan-59	14-Nov-80	4724	NE	20-May-60	08-Sep-78
4585	NC	02-Jan-59	29-Aug-80	4725	NC	09-Jun-53	28-Aug-81
4587	NE	04-Sep-87	21-Aug-92	4728	NE	16-Jun-95	
4591	NC	02-Jan-59	18-Aug-78	L/C4730	NE	07-Oct-83	17-Oct-97
4592	NE	03-Jun-83	02-Apr-93	L/C4731	NE	16-Dec-94	
4593	NC	20-Jan-60	12-Jun-81	4732	NE	27-Dec-68	22-Feb-80
4594	NC	02-Jan-59	14-Feb-92	4744	NC	22-Feb-63	27-Nov-81
4595	NC	02-Jan-59	04-Feb-83	4745	NC	17-May-63	09-Oct-87
4596	NC	02-Jan-59	09-Jan-81	4763	NC	01-Feb-63	26-Jul-85
4597	NC	02-Jan-59	09-Oct-81	4764	NC	01-Feb-63	09-Nov-90
4598	NE	21-Jan-83		4765	NC	29-Nov-63	26-Apr-85
4615	NE	20-Aug-99		4766	NC	06-Dec-63	05-Apr-96
4616	NE	19-Apr-91	17-Oct-97	4767	NC	06-Dec-63	06-Jul-90
4617	NE	19-May-89	25-Apr-97	4769	NE	19-Sep-75	03-May-85
*4619	NE	20-Nov-98		4771	NE	02-Jul-76	29-Jul-83
L/C4622	NE	25-Apr-97		4773	NC	29-Nov-63	29-Dec-78
L/C4624	NE	17-Jan-86		4774	NC	24-Jan-64	19-Mar-82
L/C4625	NE	10-Jan-86	22-Apr-88	L/C4775	NE	09-Sep-83	02-May-97
L/C4626	NE	08-Nov-85	22-Apr-88	L/C4776	NE	08-Jul-83	
4633	NE	24-Apr-87	21-Apr-95	L/C4817	NC	11-Apr-86	
4634	NE	14-Jul-95		4830	NC	14-Feb-86	
4635	NE	24-Jun-83	28-Nov-97	L/C4831	NC	26-Dec-86	

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Chart Number	Category	Edition Date	Reprint Date	Chart Number	Category	Edition Date	Reprint Date
L/C4832	NC	02-Oct-87		5051	NC	07-Jun-96	
4839	NC	27-Mar-92		5052	NC	25-Apr-97	
L/C4841	NC	19-May-89		*5070	NE	20-Nov-98	
L/C4842	NE	03-Mar-89		5080	NC	03-Oct-97	
4843	NC	28-Jan-83		5133	NC	10-Oct-69	14-May-82
L/C4844	NC	01-Feb-85	25-Mar-94	5134	NC	11-Aug-67	16-Mar-73
L/C4845	NE	12-Sep-97		5135	NC	11-Aug-67	19-Feb-88
L/C4846	NE	15-Dec-95		5138	NE	17-Apr-98	
L/C4847	NE	05-Jul-96		5140	NC	15-Nov-63	20-Oct-78
4848	NC	12-Jun-87		5143	NE	02-May-86	
4849	NC	30-Dec-88		5179	NC	28-Aug-64	12-Jun-81
L/C4850	NC	11-May-90		5300	NC	25-Nov-66	25-Nov-77
L/C4851	NE	04-Apr-97		5316	NC	24-Aug-61	25-Jan-80
4852	NC	02-Dec-94		5335	NC	15-Mar-85	
*4853	NE	30-Jul-99		5338	NC	06-Jun-86	
4854	NC	25-Apr-97		5340	NC	19-Apr-63	14-Dec-79
4855	NC	06-Jun-97		5348	NE	05-Nov-76	
4857	NC	29-Oct-99		5349	NC	05-Mar-58	03-Mar-78
*4858	NC	25-Dec-98		5351	NC	24-Feb-56	25-Mar-83
*4863	NC	29-Jan-99		5352	NE	08-Jul-60	16-May-80
4865	NC	30-Jan-98		5365	NC	26-Sep-69	25-Aug-89
4885	NE	12-Feb-88		5373	NC	15-Feb-85	
4886	NC	26-Dec-97		5374	NC	17-Jan-86	
L/C4905	NC	22-Jul-88	24-Jul-92	5375	NC	28-Feb-86	
L/C4906	NC	18-Mar-88	11-Jun-93	5376	NC	22-Mar-85	
4909	NC	17-Jun-88	01-Mar-96	5390	NC	17-May-68	04-Nov-88
4911	NE	07-May-93		5391	NC	17-May-68	18-Feb-83
4912	NE	04-Jun-93		5396	NC	01-Jun-60	26-Sep-75
L/C4913	NC	07-Aug-92		5397	NC	04-Nov-60	18-Nov-83
4920	NE	18-Sep-98		5398	NE	04-Sep-81	
4921	NE	06-Mar-98		5399	NE	04-Sep-81	
L/C4951	NC	04-Jan-91		5400	NE	19-Dec-60	23-Apr-82
L/C4952	NC	21-Aug-92		5403	NE	04-Feb-87	
4954	NE	20-Jun-97		5405	NC	26-Dec-51	25-Mar-88
4955	NC	15-Feb-91		5406	NC	06-Mar-14	15-Aug-80
4956	NC	23-Nov-90		5410	NE	25-Mar-77	19-Mar-93
4957	NC	13-Jul-90		5411	NE	04-Jun-58	30-Jan-81
4980	NC	03-Jan-92		5412	NE	23-Feb-68	27-Apr-84
L/C5001	NE	04-Nov-94		5414	NE	06-Aug-37	10-Oct-80
5002	NC	25-Jul-75		5427	NC	11-Jun-59	31-Oct-80
5003	NE	26-Sep-69	23-Jul-76	5440	NE	01-Nov-74	06-Feb-81
L/C5023	NC	20-Apr-90		5449	NE	15-Aug-86	
L/C5030	NC	26-Oct-90		5450	NE	22-May-70	29-Jul-77
5031	NC	04-Jan-91		5451	NE	05-Nov-65	22-Mar-85
5042	NC	24-Feb-84		5452	NC	16-Dec-54	05-Feb-82
5043	NE	20-Aug-99		5455	NE	15-Feb-61	15-Dec-78
5044	NE	20-Aug-99		5456	NE	26-May-72	12-Jun-81
5045	NC	01-Jul-83		5457	NE	04-Sep-98	
5046	NC	13-Jan-84		5458	NE	08-Mar-63	10-Nov-78
5047	NC	17-Aug-84		5459	NC	26-Jan-53	06-Feb-81
5048	NC	07-Aug-87		5464	NC	16-Dec-54	07-May-82
5049	NC	08-Apr-88		5467	NE	15-Feb-56	29-Jun-90

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5468	NC	18-Mar-55	04-Sep-81	6213	NE	10-Aug-84	28-Jul-89
5469	NC	18-Mar-55	12-Nov-82	6214	NC	18-Mar-77	07-Jul-89
5471	NE	12-May-67	04-Dec-81	6215	NC	01-Jul-77	08-May-92
5476	NE	03-Jul-59	15-Jun-73	6216	NC	02-Apr-82	28-Feb-92
5510	NE	11-Jan-80		6217	NC	18-Jun-76	12-Feb-93
5512	NC	18-Dec-87		6218	NE	11-Mar-88	13-Nov-92
5533	NE	11-Mar-77		6240	NE	15-Dec-95	
5620	NE	21-Jun-91		6241	NE	06-Aug-57	28-May-82
5621	NE	26-Apr-91		6242	NE	13-Jun-80	01-May-92
5622	NE	27-Dec-91		6243	NE	10-Dec-71	17-Nov-95
5623	NE	08-Nov-91		6247	NE	19-Feb-93	
5624	NE	26-Apr-91		6248	NC	04-May-34	06-Oct-95
5625	NE	10-Jul-92		6249	NE	29-Mar-85	
5626	NC	08-Aug-86		6251	NE	18-Jul-86	05-Apr-96
5628	NC	08-Aug-97		6258	NC	30-Dec-88	
5640	NC	22-Apr-94		6259	NC	23-Feb-90	
5705	NE	13-May-83		6260	NC	06-Jan-89	
5706	NE	24-Jun-83		6263	NC	14-Apr-89	
5707	NE	28-Jan-83		6264	NC	14-Apr-89	
5720	NC	22-Apr-94		6267	NC	09-Jul-65	28-Aug-81
5800	NE	19-Jul-74	22-Mar-91	6268	NE	15-Jun-62	
5801	NE	24-May-74		6269	NE	04-Nov-60	11-Mar-77
5860	NE	30-Sep-66	14-May-76	6270	NE	09-Nov-73	
5861	NE	30-Sep-66	14-May-76	6271	NE	07-Sep-73	
6021	NE	24-Sep-99		6272	NE	14-Sep-73	
6022	NE	24-Sep-99		6273	NE	28-Sep-73	
6023	NE	26-Feb-88	30-Jun-95	6274	NE	07-Sep-73	
6026	NC	17-Sep-76		6281	NE	29-Jan-82	25-Mar-88
6028	NC	15-Jan-71		6285	NC	03-Jun-88	
6030	NC	14-Aug-87		6286	NC	25-Nov-88	
6035	NC	20-Nov-87		6287	NC	11-Jun-82	
6036	NC	28-Aug-87		6301	NE	03-May-96	
6037	NC	13-Nov-87		6302	NE	20-Apr-73	
6038	NC	11-Sep-87	19-Sep-97	6310	NE	04-May-73	17-Feb-78
6050	NE	01-Aug-86		6311	NC	17-Aug-62	
6100	NC	15-May-87	10-Apr-92	6321	NC	15-May-57	
6101	NC	10-Apr-64		6322	NC	15-May-57	
6105	NE	20-Jan-89		6341	NE	14-Jan-91	
6106	NE	21-Jun-91		6354	NC	09-Nov-50	
6107	NE	29-Oct-99		6355	NE	09-Feb-72	
6108	NE	28-Jan-83	05-Jun-92	6356	NC	30-Oct-49	
6109	NE	30-Mar-90		6357	NC	28-Feb-50	13-Apr-73
6110	NE	24-Feb-89	15-Dec-95	6358	NE	18-May-49	28-Jan-72
6111	NE	11-Mar-83		6359	NE	24-May-68	
6112	NC	06-Feb-70	25-Mar-94	6360	NC	17-Apr-48	
6201	NE	16-Mar-73	22-Nov-91	6368	NC	16-Jun-58	06-Aug-76
6205	NC	30-Jun-95		6369	NE	24-May-85	
6206	NE	02-Apr-82	06-Oct-95	6370	NE	03-Aug-90	
6207	NE	02-Apr-82	21-Feb-92	6371	NE	01-Mar-74	
6209	NC	04-Sep-70		6390	NE	08-Feb-80	
6211	NC	26-Aug-88	29-Oct-93	6408	NE	13-Feb-87	
6212	NE	12-Nov-82	21-Apr-95	6409	NE	02-Apr-93	

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*6410	NE	30-Apr-99		7082	NE	20-May-66	27-Apr-84
*6411	NE	30-Apr-99		7083	NE	15-Jun-84	
*6412	NE	30-Apr-99		7103	NE	05-Aug-77	
*6413	NE	30-Apr-99		7121	NE	17-Nov-72	06-Oct-89
*6414	NE	30-Apr-99		7122	NE	19-Oct-62	06-Sep-85
*6415	NE	30-Apr-99		7125	NE	20-Apr-60	26-Sep-80
*6416	NE	30-Apr-99		7126	NE	08-Mar-54	13-Aug-93
*6417	NE	30-Apr-99		7127	NE	27-May-83	14-Dec-84
*6418	NE	30-Apr-99		7134	NC	23-Jul-93	
*6419	NE	30-Apr-99		7135	NE	07-Mar-58	14-Dec-79
*6420	NE	30-Apr-99		7136	NC	23-Jul-93	
*6421	NE	30-Apr-99		7150	NE	09-Jul-65	01-Oct-82
*6422	NE	30-Apr-99		7170	NE	18-Apr-75	23-Dec-83
*6423	NE	30-Apr-99		7171	NE	15-Apr-60	08-Sep-78
*6424	NE	30-Apr-99		7180	NE	11-Aug-78	
*6425	NE	30-Apr-99		7181	NC	22-Feb-63	04-May-84
*6426	NE	30-Apr-99		7184	NC	10-Jul-64	16-Dec-77
*6427	NE	30-Apr-99		7185	NE	08-Apr-60	27-Apr-84
*6428	NE	30-Apr-99		7193	NC	10-May-63	10-Mar-78
6429	NE	17-Jun-94		7194	NE	20-Mar-81	
6430	NE	01-Apr-88		7195	NC	23-Jul-93	
*6431	NE	30-Apr-99		7212	NE	11-Jan-85	
6432	NE	02-Jun-95		7220	NE	02-Nov-79	16-Mar-84
6433	NE	02-Mar-84		7292	NC	30-Jan-62	27-Sep-85
6434	NE	20-Feb-87		7302	NE	18-Aug-78	09-Nov-90
6435	NE	20-Feb-87		7304	NC	17-Feb-78	06-Sep-85
6436	NE	31-May-91		7310	NC	11-Jul-86	
6437	NE	02-Mar-84		7371	NE	14-Dec-73	27-Mar-81
6438	NE	02-Apr-93		7404	NE	17-May-63	02-Sep-83
6439	NE	02-Mar-84		7405	NE	01-Oct-82	
6440	NE	02-Mar-84		7411	NE	13-Apr-73	29-Sep-89
6441	NE	20-Feb-87		7430	NE	21-May-76	07-Oct-83
6451	NE	17-Jun-94		7465	NE	28-Feb-57	02-Aug-91
*6452	NE	30-Apr-99		7481	NC	21-Aug-92	
*6453	NE	30-Apr-99		7482	NC	21-Aug-92	
6454	NC	15-May-87		7485	NC	17-Mar-89	
6455	NC	15-May-87		7486	NC	10-Feb-89	
6505	NC	05-Apr-85	28-Feb-86	7487	NC	10-Jul-87	
6506	NC	12-Apr-85	21-Feb-86	7488	NC	08-Mar-91	
6730	NC	26-Dec-69	16-Mar-79	7489	NC	28-Aug-92	
7000	NC	05-Mar-82		7502	NE	31-Jul-98	
7010	NE	12-Jan-79	04-Mar-88	7511	NE	29-Dec-89	
L/C7011	NE	02-Sep-83		7512	NC	05-Jul-85	
7050	NE	03-Feb-89		7520	NC	01-Jun-84	
7051	NE	14-Dec-73	08-Aug-86	7521	NC	01-Jun-84	
7052	NE	10-Jun-66	19-Jul-85	7527	NE	12-Apr-74	27-Sep-85
7053	NE	10-Apr-70	08-Apr-94	7540	NC	07-Jan-83	
7065	NE	31-May-63	30-Dec-83	7552	NE	27-Mar-98	
7066	NE	21-Jun-63	30-Aug-85	7565	NC	04-Oct-96	
7067	NE	30-Apr-71	18-May-90	7566	NC	22-Jun-90	
7071	NE	31-Jul-64	08-Sep-78	7568	NC	05-Jul-85	
7072	NE	30-Apr-71	25-Jul-97	7569	NC	05-Jul-85	

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7570	NC	02-May-86		7778	NE	13-Jun-97	
7571	NC	11-Apr-86		7779	NE	13-Jun-97	
7572	NC	02-May-86		7780	NC	06-Jul-90	
7575	NC	06-Mar-92		7781	NC	06-Jul-90	
7578	NC	27-Jan-95		7782	NE	13-Jun-97	
7600	NC	26-Jul-85		7783	NE	13-Jun-97	
7608	NE	04-Jun-76	04-Mar-83	7784	NC	03-Jul-98	
7620	NC	02-May-97		7830	NE	02-Mar-84	
7621	NC	02-May-97		7832	NE	19-Feb-71	06-Mar-81
7646	NE	02-Feb-73	28-Nov-80	7920	NE	27-Apr-84	23-May-86
7661	NC	14-Mar-86		7930	NE	18-May-84	
7662	NE	19-Jul-91		7935	NE	21-Jun-85	
7663	NE	25-Apr-97		7940	NE	27-Apr-79	20-Sep-85
7664	NC	28-Feb-86		7941	NC	05-Jan-73	14-Mar-86
7665	NC	13-Jun-86		7950	NE	03-May-85	
7666	NC	28-Feb-86		7951	NE	24-Feb-84	
7667	NC	14-Mar-86		7952	NE	17-Mar-72	27-Jul-84
7668	NC	18-May-90		7953	NE	05-Apr-96	
7669	NC	18-May-90		7954	NC	17-May-74	17-Jun-83
7685	NC	28-Feb-86		7980	NC	16-Jan-87	
7686	NC	27-Mar-81	19-Jan-90	L/C8005	NE	07-Dec-84	02-May-97
7687	NC	05-Aug-83		L/C8006	NE	05-Aug-88	
7710	NE	13-Jun-97		L/C8007	NE	19-Aug-88	
7725	NE	22-Jun-84		L/C8010	NE	01-Aug-86	26-May-89
7731	NE	25-May-84		L/C8011	NE	30-Dec-94	
7733	NE	19-Mar-71	08-Feb-80	L/C8012	NE	04-Nov-94	
7735	NE	14-Aug-70	18-Nov-83	L/C8013	NE	04-Nov-94	
7740	NE	30-May-97		L/C8014	NE	18-Nov-94	
7750	NE	13-Jun-97		L/C8015	NE	16-Dec-94	
7760	NC	03-May-68	19-Aug-83	L/C8046	NE	07-Oct-83	
7770	NE	27-Aug-71	04-Jul-80	L/C8047	NE	07-Oct-83	06-Dec-85
7776	NE	30-May-97		L/C8048	NE	30-Dec-94	
7777	NE	30-May-97		L/C8049	NE	30-Dec-94	

ONTARIO - LAKE MUSKOKA - Information concerning navigation aids.

The following changes have been incorporated in the new edition of chart 6021.

Aid	Action	Marked	Position	Ref. No.
Red spar buoy AA	Renumbered	AA4	45°03'18" N 79°31'10" W	D99-096
Green spar buoy AC5	Renumbered	AC1	45 00 00 N 79 35 34 W	D99-120
Green spar buoy	Deleted	AC3	45 00 03 N 79 35 37 W	D99-119
Red spar buoy	Deleted	AE10	45 01 06.5 N 79 31 09 W	D99-098
Green spar buoy	Established	AE11	45 01 02.5 N 79 31 56 W	D99-099
Spar buoy	Deleted	AJ	45 04 18 N 79 31 55 W	D99-097
Green spar buoy	Established	A15	45 04 15 N 79 31 54 W	D99-097

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Aid	Action	Marked	Position	Ref. No.
Green, red and green spar buoy	Replaced with	East cardinal buoy CC	45 03 35 N 79 32 34 W	D99-174
Red, green and red spar buoy	Replaced with	North cardinal buoy CD	45 04 27 N 79 32 29 W	D99-101
Red, green and red spar buoy	Replaced with	North cardinal buoy CE	45 05 13 N 79 33 21 W	D99-100
Green, red and green spar buoy	Deleted	CA	45 03 43 N 79 36 47 W	D99-115
Green spar buoy	Established	C11	45 03 43 N 79 36 47 W	D99-115
Green spar buoy C11	Renumbered	C13	45 03 44 N 79 36 30 W	D99-116
Green spar buoy C13	Renumbered	C15	45 03 31 N 79 35 46 W	D99-117
Green spar buoy C15	Renumbered	C17	45 03 24 N 79 34 36 W	D99-118
Red spar buoy	Deleted	C26	45 03 40 N 79 32 29 W	D99-169
Green spar buoy	Established	C29	45 03 43 N 79 32 24 W	D99-170
Starboard daybeacon	Established	HE6	45 05 54 N 79 30 50 W	D99-175
Red buoy	Relocated	DC6	from 45 00 14 N 79 29 15 W to 45 00 17 N 79 29 17.5W	D99-165
Green spar buoy	Deleted	DC7	45 00 18 N 79 29 15 W	D99-166
Red buoy	Established	DC8	45 00 17 N 79 29 16 W	D99-167
Green spar buoy	Deleted	DD1	44 59 53 N 79 28 55 W	D99-111
Red spar buoy	Deleted	DD2	44 59 52 N 79 28 54 W	D99-112
Red spar buoy	Established	DH4	44 59 48 N 79 27 16 W	D99-102
Green spar buoy EJ11	Replaced with	red spar buoy EJ10	44 57 27 N 79 23 42 W	D99-164
Green spar buoy EN5	Replaced with	West cardinal buoy EN	44 59 51 N 79 24 07 W	D99-103
Green spar buoy	Deleted	ES	44 55 45 N 79 23 30 W	D99-104
Green spar buoy	Deleted	ES1	44 55 58 N 79 23 30 W	D99-105
Spar buoy HK	Replaced with	Green spar buoy H9	45 03 25 N 79 27 50 W	D99-168
Red, green and red spar buoy	Deleted	HA	45 04 52 N 79 31 20 W	D99-113
Red spar buoy	Established	HA6	45 04 50 N 79 31 24 W	D99-114
Red spar buoy	Deleted	HE6	45 05 56 N 79 30 51 W	D99-107
Green spar buoy HH1	Replaced with	isolated danger buoy HH	45 05 23 N 79 30 05.8W	D99-108
Red, green and red spar buoy	Replaced with	West cardinal buoy HJ	45 04 32 N 79 29 48 W	D99-109
Green spar buoy	Deleted	HJ1	45 04 44 N 79 31 05 W	D99-172
Red spar buoy	Deleted	HJ2	45 04 43 N 79 31 04 W	D99-172
Green, red and green spar buoy	Replaced with	isolated danger buoy HM	45 02 31 N 79 23 59 W	D99-110

Yellow spar buoy	Deleted	YAJ	45 00 34 N 79 36 48.5W	D99-171
Port hand daybeacon	Established	AC3	45 00 04 N 79 35 35 W	D99-176

(AMA8035-10-5-13; 8035-10-8-5)

(CCG-D99-096-105, 107-120, 164-176)

ONTARIO - LAKE JOSEPH - Information concerning navigation aids.

The following changes have been incorporated in the new edition of chart 6022.

Aid	Action	Marked	Position	Ref. no.
Spar buoy KK1	Deleted	KK1	45°08'53" N 79°40'12" W	D99-139
Spar buoy KK3	Deleted	KK3	45 08 50 N 79 40 06 W	D99-140
Red, green and red spar buoy	Replaced with	isolated danger buoy KP	45 08 46 N 79 40 02 W	D99-151
Green spar buoy	Deleted	K41	45 09 27 N 79 40 44 W	D99-141
Red spar buoy	Deleted	K42	45 09 27 N 79 40 44 W	D99-142
Red, green and red spar buoy	Deleted	NC	45 10 18 N 79 42 41 W	D99-146
Red spar buoy	Established	NC2	45 10 18 N 79 42 47 W	D99-146
Red, green and red spar buoy	Deleted	ND	46 10 22 N 79 42 52 W	D99-147
Red spar buoy	Established	NC4	45 10 21 N 79 42 54 W	D99-147
Red, green and red spar buoy	Deleted	NJ	45 10 32 N 79 43 01 W	D99-148
Red spar buoy	Established	NC6	45 10 33 N 79 43 05 W	D99-148
Red, green and red spar buoy	Deleted	NA	45 08 28 N 79 42 33 W	D99-149
Red spar buoy	Established	NE2	45 08 28 N 79 42 32 W	D99-149
Green, red and green spar buoy	Replaced with	West cardinal spar buoy NN	45 13 04 N 79 43 50 W	D99-156
Red, green and red spar buoy NT	Replaced with	red spar buoy NM2	45 09 39 N 79 42 47 W	D99-157
Red spar buoy	Deleted	NM6	45 09 49 N 79 42 33 W	D99-161
Green spar buoy	Deleted	NP1	45 09 28.5N 79 43 08 W	D99-143
Cautionary buoy	Deleted	YNP	45 09 29 N 79 43 03 W	D99-144
Red spar buoy	Deleted	NS2	45 12 42 N 79 44 34 W	D99-162
Red, green and red buoy	Deleted	NQ	45 10 44 N 79 45 24 W	D99-150
Green buoy	Established	NT1	45 10 45 N 79 45 24 W	D99-150
Red, green and red spar buoy PP	Replaced with	red spar buoy P6	45 08 26 N 79 40 32 W	D99-163
Green spar buoy	Deleted	P17	45 10 02 N 79 42 01 W	D99-159
Red spar buoy	Deleted	P18	45 10 02 N 79 41 58 W	D99-160
Green spar buoy	Deleted	P23	45 11 03 N 79 41 44 W	D99-145
Red spar buoy	Established	P28	45 12 28 N 79 41 00 W	D99-155
Red, green and red spar buoy	Deleted	PC	45 12 26 N 79 40 56 W	D99-154

Aid	Action	Marked	Position	Ref. no.
Red, green and red spar buoy	Replaced with	South cardinal buoy PE	45 11 00 N 79 43 47 W	D99-153
Green, red and green spar buoy	Replaced with	North cardinal buoy PH	45 11 06 N 79 43 35 W	D99-152
Red spar buoy P16	Replaced with	West cardinal buoy PP	45 09 57 N 79 41 56 W	D99-158

(AMA8035-10-5-13)

(CCG-D99-139-163)

ONTARIO - LAKE ROSSEAU - Information concerning navigation aids.

The following changes have been incorporated in the new edition of chart 6022.

Aid	Action	Marked	Position	Ref. no.
Port hand daybeacon	Established	K25	45°08'10" N 79°36'42" W	D99-187
Green, red and green spar buoy	Deleted	KA	45 08 09 N 79 36 49 W	D99-123
Green spar buoy KA7	Renumbered	KA5	45 08 56 N 79 35 10 W	D99-186
Green spar buoy	Established	KA7	45 09 09 N 79 35 19 W	D99-138
Green spar buoy	Deleted	KC3	45 08 53 N 79 35 35 W	D99-177
Red spar buoy	Deleted	KC4	45 08 52 N 79 35 34 W	D99-178
Green spar buoy	Deleted	KC5	45 08 56 N 79 35 31 W	D99-179
Red spar buoy	Deleted	KC6	45 08 55 N 79 35 31 W	D99-180
Green, red and green spar buoy	Deleted	KD	45 09 08 N 79 35 20 W	D99-124
Red spar buoy	Established	KD4	45 08 52 N 79 35 52 W	D99-184
Green, red and green spar buoy	Replaced with	North cardinal buoy Nord KE	45 09 21 N 79 35 44 W	D99-125
Green, red and green spar buoy	Replaced with	North cardinal buoy KH	45 09 21 N 79 35 54 W	D99-126
Green spar buoy	Deleted	KH1	45 09 18 N 79 37 42 W	D99-182
Green, red and green spar buoy	Replaced with	East cardinal buoy KJ	45 10 03 N 79 37 56 W	D99-127
Green, red and green spar buoy	Deleted	KK	45 08 45 N 79 37 22 W	D99-130
Isolated danger buoy	Established	KK	45 08 45 N 79 37 22 W	D99-131
Green spar buoy	Deleted	KM1	45 08 51 N 79 39 35 W	D99-181
Bifurcation buoy MK	Replaced with	red spar buoy M2	45 08 10 N 79 33 57 W	D99-137
Green spar buoy	Deleted	M11	45 12 19 N 79 36 56 W	D99-128
South cardinal buoy	Established	MD	45 09 28 N 79 31 45 W	D99-134
Red spar buoy	Deleted	MD6	45 09 28 N 79 31 45 W	D99-132
Red spar buoy	Deleted	MD8	45 09 33 N 79 31 49 W	D99-122
North cardinal buoy	Established	MJ	45 12 19 N 79 36 56 W	D99-136

Aid	Action	Marked	Position	Ref. no.
Red, green and red spar buoy	Replaced with	West cardinal buoy MQ	45 09 21 N 79 32 53 W	D99-135
Green spar buoy	Deleted	MQ1	45 09 16 N 79 32 09 W	D99-121
Green spar buoy	Deleted	MQ3	45 09 21 N 79 31 53 W	D99-129
East cardinal buoy	Established	MU	45 09 21 N 79 31 53 W	D99-185
Red, green and red spar buoy	Replaced with	isolated danger buoy MV	45 11 46 N 79 34 52 W	D99-133
Cautionary buoy	Deleted	YKD	45 08 55 N 79 35 47 W	D99-183

(AMA8035-10-5-13;8035-10-8-5)

(CCG-D99-121-138, 177-187)

CANADIAN HYDROGRAPHIC SERVICE - List of charts not hand-corrected.

Supercedes previous Notice to Mariners 522/99

The following is a list of charts which are not hand-corrected after their date of publication.

A list of corrections is available for each of these charts upon request, in writing, to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario, K1A 0E6. Please state the latest edition date of the chart.

1350	2261	6036	6216	6274	6408
1351	2266	6037	6217	6281	6409
1361	2267	6038	6218	6285	6429
1509	2400	6050	6240	6286	6430
1512	3052	6100	6241	6287	6432
1551	3053	6101	6242	6302	6433
1553	3055	6105	6243	6310	6434
1554	3056	6106	6247	6311	6435
1555	3057	6108	6248	6321	6436
2011	3058	6109	6249	6322	6437
2021	3062	6110	6251	6341	6438
2023	3080	6111	6258	6354	6439
2024	3311	6112	6259	6355	6440
2025	3312	6201	6260	6356	6441
2026	3313	6205	6263	6357	6451
2029	3488	6206	6264	6358	6454
2048	3489	6207	6267	6359	6455
2055	4145	6209	6268	6360	6505
2086	6023	6211	6269	6368	6506
2140	6026	6212	6270	6369	6730
2203	6028	6213	6271	6370	
2204	6030	6214	6272	6371	
2205	6035	6215	6273	6390	

The following is a list of charts which are not hand-corrected after their date of publication. CHS will no longer provide a list of corrections for these charts. A list of corrections is available for each of these charts from the Marine Navigation Services, Notices to Mariners Internet site: <http://www.notmar.com>

1400	2028	4142	6413	6421	6431
1510	2044	6021	6414	6422	6452
1513	2202	6022	6415	6423	6453
1514	2206	6107	6416	6424	C-4
1515	2260	6301	6417	6425	
1550	3050	6410	6418	6426	
1552	3061	6411	6419	6427	
2022	4141	6412	6420	6428	

CANADIAN HYDROGRAPHIC SERVICE CHARTS – List of hand-corrected charts

Supersedes previous Notice to Mariners 521/99

The following is a list of charts which are hand-corrected after their date of publication from information published in Notices to Mariners and for which CHS will no longer provide lists of corrections.

1310	2043	L/C 2122	2251	L/C 2300
1311	2049	L/C 2123	2257	L/C 2301
1409	2050	2165	2258	L/C 2302
1410	2053	2181	2259	2303
1411	2054	L/C 2200	2268	2304
1432	2058	L/C 2201	2273	2305
1433	2059	2218	2274	2306
1434	L/C 2060	2221	2282	2307
1435	2061	2222	2283	2308
1436	2064	2223	L/C 2284	2309
1437	2067	2225	2286	2310
1438	2069	2226	2289	2311
1439	2070	L/C 2228	2291	2312
L/C 2000	2077	2235	2292	2313
2006	2085	2241	2293	2314
2007	L/C 2100	L/C 2243	2294	2315
2017	L/C 2110	L/C 2244	2297	2318
2018	L/C 2120	L/C 2245	2298	
2042	L/C 2121	2250	2299	

CANADIAN HYDROGRAPHIC SERVICE - Chart information.

If you have a copy of chart 2058 with a New Edition date of 31-Dec-1999, please be advised that this New Edition has been re-called. Please return the lower left hand corner of the chart, complete with the CHS « CORRECTED TO » Green stamp, to an authorized Chart Dealer for a free replacement.

(AMA8035-10-35)

(DFO-H00-020)

***(P) GREAT LAKES - ST. CLAIR RIVER - Lights to be changed.**

This information is applicable to U.S. Chart 14863.

The Canadian Coast Guard proposes to permanently change the characteristic of the following lights:

Courtright (L.L. 753) (42°48'23" N 82°28'43" W) from F Y to Iso Y 4 s.

Stokes Point Wharf (L.L. 749) (42°44'05" N 82°28'44".2 W) from F R to Iso R 4 s.

Comments on this action are solicited from mariners and other interested parties and should be directed to Mr. Steven D. Lear, Supervisor, Marine Aids Program, Canadian Coast Guard, P.O. Box 1000, 401 King Street W., Prescott, Ontario, K0E 1T0, Telephone (613) 925-2865 Ext. 215, Facs: (613) 925-5540, 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.

(AMA8035-10-7-14)

(CCG-B99-061)

LAKE HURON - GEORGIAN BAY - CABOT HEAD - Buoy.

Green spar buoy TK5 has been permanently established by 45°14'47".5 N 81°17'50" W.

(AMA8035-10-5-13)

(CCG-D00-015)

LAKE HURON - GEORGIAN BAY - WASAGA BEACH - Buoys.

Buoys TX1 to TX8 (44°32'12" N 80°00'30" W approx.) have been privatized are maintained by the Town of Wasaga Beach.

(AMA8035-10-5-13)

(CCG-D00-016)

LAKE HURON - SAUBLE RIVER - Buoys.

Spar buoys VH11, VH12, VH13, VH14 and VH15 (44°39'42" N 81°16'45" W approx.) have been permanently discontinued.

(AMA8035-10-5-13)

(CCG-D99-052)

LAKE HURON - ST. CLAIR RIVER - SARNIA BAY - Buoy.

This information is applicable to U.S. Chart 14852.

Green spar buoy AH5 (42°58'43" N 82°24'30" W) has been permanently relocated to 42° 58'44" N 82°24'28".9W.

(AMA8035-10-5-14)

(CCG-B99-032)

LAKE HURON - ST. CLAIR RIVER - SARNIA BAY - Buoys.

This information is applicable to U.S. Chart 14853.

Red, green and red spar buoy ASB (42°58'44" N 82°24'29" W) has been permanently relocated to (42°58'45".5 N 82°24'28" W)

Red spar buoy AS2 (42°58'46" N 82°24'33" W) has been permanently relocated to (42°58'46".4 N 82°24'31".5W)

(AMA8035-10-5-14)

(CCG-B99-033)

NEWFOUNDLAND, EAST COAST - BONAVIDA BAY - BURNSIDE SHOAL - Buoy.

This information is applicable to British Admiralty Chart 293.

Red spar buoy JR4 (48°43'14".1 N 53°47'01".3 W) has been permanently discontinued.

(AMA8035-10-5-2)

(CCG-N98-309)

1233 - Île aux Coudres - New Edition - 28-MAY-1999 - NAD 1927

03-MAR-2000.

On certain copies, the position published in Notice 2326/99, para(1) was wrong

Add	depth of "2" metres "9" decimetres	47°25`13.8"N	070°23`37.3"W
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1315 - Québec à/to Donnacona - New Edition - 25-SEP-1998 - NAD 1983

31-MAR-2000.

Delete	range lights	46°49`16.8"N	071°11`53.1"W
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1316 - Port de Québec, Quai Irving à/to Courville - New Edition - 26-FEB-1999 - NAD 1983

31-MAR-2000.

Delete	range lights	46°49`16.8"N	071°11`53.1"W
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Replace	10 metres 1 decimetre with 9 metres 2 decimetres	46°47`36.3"N	071°13`12.6"W
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1317 - Québec à Beaupré et Saint-Michel - New Edition - 15-JAN-1999 - NAD 1983

31-MAR-2000.

Delete	range lights	46°49`16.8"N	071°11`53.1"W
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1411 - Canal de Beauharnois, Lac Saint-Louis au/to Lac Saint-Francois - New Edition - 02-AUG-1996 - NAD 1927

17-MAR-2000.

Reference: Notice 1974/99

Amend	Carte adjacente/Adjoining Chart 1412 to read "Carte adjacente/Adjoining Chart 1432".	left margin at 45°13'42"N 74°13'00"W (Approx)
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1439 - Carleton Island to/au Charity Shoal - New Edition - 07-FEB-1997 - NAD 1983

31-MAR-2000.

Delete	light	44°13`56.2"N	076°23`51.9"W
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1513 - WASHBURN TO/A KINGSTON - Sheet 5 - New Edition - 07-JUN-1996 - NAD 1927

31-MAR-2000.

Add	green spar buoy marked "S73"	44°17`08.0"N	076°26`53.0"W
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Add	red spar buoy, marked "S76"	44°17`12.0"N	076°26`51.0"W
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2006 - Upper Gap to/à Telegraph Narrows - New Edition - 16-FEB-1990 - NAD 1927

31-MAR-2000.

(P)Delete	light	44°06`37.1"N	076°50`37.6"W
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2018 - Lower Gap to/à Adolphus Reach - New chart - 22-JUN-1990 - NAD 1983

31-MAR-2000.

Delete	light	44°06`37.1"N	076°50`37.6"W
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2021 - Murray Canal Presqu'île Bay to/à Trenton - Sheet 1 - New Edition - 25-JUN-1993 - NAD 1927

31-MAR-2000.

Reposition	green spar buoy marked "QT3"	from 44°05`26.0"N	077°34`12.5"W
		to 44°05`26.5"N	077°34`14.5"W

Reposition	red spar buoy marked "QT4"	from 44°05`23.0"N	077°34`13.0"W
		to 44°05`26.5"N	077°34`11.0"W

2021 – Trenton to/à Glen Ross - Sheet 2 - New Edition - 25-JUN-1993 - NAD 1927

31-MAR-2000.

Reposition	green spar buoy marked "QT3"	from 44°05`26.0"N 077°34`12.5"W
		to 44°05`26.5"N 077°34`14.5"W

Reposition	red spar buoy marked "QT4"	from 44°05`23.0"N 077°34`13.0"W
		to 44°05`26.5"N 077°34`11.0"W

2042 - B-C - New Edition - 07-OCT-1994 - NAD 1983

31-MAR-2000.

Amend	F to read "FI"	43°06`46.4"N 079°11`36.2"W
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Amend	F to read "FI"	43°06`46.0"N 079°11`43.5"W
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Add	light "FY"	43°05`35.0"N 079°12`31.1"W
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Add	light "FI"	43°04`01.2"N 079°12`40.5"W
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2042 - C-D - New Edition - 07-OCT-1994 - NAD 1983

31-MAR-2000.

Replace	light buoy WC44 with a red spar buoy marked "WC44"	42°55`06.1"N 079°14`33.9"W
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2042 - D-E - New Edition - 07-OCT-1994 - NAD 1983

31-MAR-2000.

Replace	light buoy WC44 with a red spar buoy marked "WC44"	42°55`06.1"N 079°14`33.9"W
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2069 - Trenton - New Edition - 13-FEB-1998 - NAD 1927

31-MAR-2000.

(T)Reposition	green spar buoy marked "QT3"	from 44°05`23.0"N 077°34`14.0"W
		to 44°05`26.5"N 077°34`14.5"W

L/C2100 - Lake Erie / Lac Erie - New Edition - 25-DEC-1998 - NAD 1983

31-MAR-2000.

Amend	F R to read "Iso R 4s"	42°15`33.6"N 081°50`54.7"W
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L/C2122 - Pointe aux Pins to/à Point Pelee - New Edition - 05-APR-1996 - NAD 1927

31-MAR-2000.

Amend	F R 15m 6M to read "Iso R 4s 16m 6M"	42°15`33.6"N 081°50`54.7"W
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L/C2228 - Lake Huron/Lac Huron (Southern Portion/Partie sud) - New chart - 16-FEB-1990 - NAD 1983

17-MAR-2000.

On certain copies range lights were incorrectly deleted and sector light was added.

Delete	Sector light "Oc RWG 10m"	44°10`41.0"N 081°38`35.0"W
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Add	front range light "F R 10m"	44°10`41.0"N 081°38`35.0"W
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Add	rear range light "FI R 24m"	44°10`40.0"N 081°38`20.0"W
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Add	bearing of 105 1/2°	44°10`50.0"N 081°39`38.0"W
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2283 - Owen Sound to/à Giant's Tomb Island - Sheet 1 - New chart - 30-JUL-1999 - NAD 1983

31-MAR-2000.

(P)Amend	legend Measured Distance/Base de vitesse 1852m 145°-325° to read Measured Distance/ Base de Vitesse 1853m 145°45'-325°45'	44°49`03.0"N 080°12`42.0"W
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NOTE: This information will be included in the next edition of chart 2283.

L/C4003 - Cape Breton to/à Cape Cod - New Edition - 29-JUL-1994 - NAD 1983

03-MAR-2000.

Amend FI 26M to read "FI 19M" 44°28`24.0"N 067°32`00.0"W

17-MAR-2000.

Add obstruction with legend, "DANGER Unexploded ordnance Explosifs
non éclatés Repd 1999" 42°34`00.0"N 069°30`00.0"W**L/C4011 - Approches to/Approches à Bay of Fundy - New Edition - 31-OCT-1997 - NAD 1983**

03-MAR-2000.

Amend FI 30s 72ft 25M to read "FI 30s 72ft 19M" 44°28`24.0"N 067°32`00.0"W

4114 - Campobello Island - New chart - 08-MAY-1992 - NAD 1983

24-MAR-2000.

Amend FR to read "FI R(2)" 44°55`07.2"N 066°58`00.0"W

L/C4237 - Approches to/Approches au Halifax Harbour - New Edition - 30-JAN-1998 - NAD 1983

31-MAR-2000.

(P)Amend measured distance with bearing 1852 metres/1852 mètres 154°20'-
334°20' to read 1865 metres/1865 mètres 154°20'-334°20' 44°31`21.0"N 063°30`33.0"WNOTE: This information will be incorporated in the next edition of chart
4237.(P)Amend measured distance with bearing 1850 metres/1850 mètres 154°20'-
334°20' to read 1845 metres/1845 mètres 154°20'-334°20' 44°32`12.0"N 063°31`10.0"WNOTE: This information will be incorporated in the next edition of chart
4237.**L/C4340 - Grand Manan - New Edition - 12-APR-1991 - NAD 1927**

24-MAR-2000.

(P)Amend FR to read "FI R(2)" 44°55`07.6"N 066°58`02.9"W

NOTE: The above information will be included in the new edition of
chart 4340, which will be made available at a later date.**L/C4385 - CHEBUCTO HEAD TO/A BETTY ISLAND - New Edition - 07-JUN-1996 - NAD 1983**

31-MAR-2000.

(P)Amend measured distance with bearing 154°20'-334°20' 6078ft to read
154°20'-334°20' 6118ft 44°31`24.0"N 063°30`37.0"WNOTE: This information will be incorporated in the next edition of chart
4385.**4386 - St.Margaret's Bay - New Edition - 24-MAR-1995 - NAD 1927**

31-MAR-2000.

(P)Amend legend Measured Distance 6088 feet 154°20'-334°20' to read
Measured Distance 6087 feet 154°20'-334°20' 44°32`48.0"N 063°59`42.0"WNOTE: This information will be included in the next edition of chart
4386.**4422 - Cardigan Bay - New Edition - 17-JUN-1994 - NAD 1927**

31-MAR-2000.

(P)Amend legend Measured Distance 6080 feet 149°-329' to read Measured
Distance 6299 feet 146°59'-326°59' 46°07`39.0"N 062°24`32.0"WNOTE: This information will be included in the next edition of chart
4422.

4587 - Mortier Bay - New Edition - 21-AUG-1992 - NAD 1927

17-MAR-2000.

Replace	green can buoy PM7 with green light spar buoy, "FI G", marked "PM7"	47°10`05.7"N 055°08`02.3"W
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31-MAR-2000.

(P)Amend	measured distance with bearing 007°18'-187°18' 6079 Feet/Pieds to read 007°14'-187°14' 6079 Feet/Pieds	47°10`00.0"N 055°04`57.0"W
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NOTE: This information will be incorporated in the next edition of chart 4587.

L/C4845 - Renews Harbour to/ Motion Bay - New Edition - 12-SEP-1997 - NAD 1983

24-MAR-2000.

Add	light "2Lts FI"	47°27`51.0"N 052°42`16.5"W
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L/C4846 - Motion Bay to/à Cape St Francis - New Edition - 15-DEC-1995 - NAD 1983

24-MAR-2000.

Add	light "2Lts FI"	47°27`51.0"N 052°42`16.5"W
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L/C4851 - Trinity Bay - Southern Portion / Partie sud - New Edition - 04-APR-1997 - NAD 1983

03-MAR-2000.

Add	light, "FI R"	47°40`50.0"N 053°49`35.5"W
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Add	green spar light buoy, "FI G", marked "TG5"	47°38`15.4"N 053°44`27.9"W
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Add	breakwater	joining 47°34`10.0"N 053°33`46.0"W
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		47°34`08.4"N 053°33`47.2"W
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	and	47°34`08.7"N 053°33`40.6"W
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Add	light "FI G"	47°34`08.6"N 053°33`40.9"W
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L/C8005 - GEORGES BANK, ATLANTIC OCEAN/OCÉAN ATLANTIQUE - New Edition - 02-MAY-1997 - NAD 1983

17-MAR-2000.

Add	obstruction with legend, "DANGER Unexploded ordnance Explosifs non éclatés Repd 1999"	42°34`00.0"N 069°30`00.0"W
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SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Arctic Canada, Volume 1, Fourth Edition, 1994 —

Page 13 — Paragraph 158, lines 5 and 6
Delete: , Edmonton, Alta.

(C00-021.1)

Page 13 — Paragraph 158, line 10
Delete: , except Edmonton,

(C00-021.2)

Arctic Canada, Volume II, Fourth Edition, 1985 —

Page 44 — Paragraph 1, line 8
Delete: Kater Point
Replace by: Cape Kater

(C00-006.1)

Page 49 — Paragraph 58, line 3
Delete: (*Chart 7503*)
Replace by: (*Chart 7575*)

(C00-006.2)

Page 52 — Paragraph 86, line 3
Delete: 20 m (11 fms)
Replace by: 14 m (7½ fms)

(C00-006.3)

Page 56 — Before paragraph 93
Delete: 7413

(C00-006.4)

Page 56 — Before paragraph 102
Delete: *Chart 7851*

(C00-006.5)

Page 57 — Top of left column
Delete: *Chart 7851*
Replace by: *Chart 7502*

(C00-006.6)

Page 57 — After paragraph 102
Delete: *Chart 7502*

(C00-006.7)

Page 57 — Paragraph 112, line 3
Delete: (*See chart 7851.*)

(C00-010.1)

Page 57 — Paragraph 117, line 1
Delete: **Akuliakata**
Replace by: **Akuliarattak (Akuliakata)**

(C00-010.2)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 144 — After paragraph 81

Insert: 81.1 A **breakwater** projecting offshore in front of the hamlet protects a small craft **anchorage**.

(C00-016.1)

ATL 102 — Newfoundland — Northeast and East Coasts, First Edition, 1997 —

Page 17 — Paragraph 178, last line (Re: correction promulgated in Monthly Edition No. 4/97)

Add: A **light** (467.22) is shown from a 2.1 m (7 ft) high mast on the outer end of the breakwater. A floating wharf is moored close west of the Public wharf at Chance Cove.

(N00-06.1)

Page 17 — Paragraph 181, last line (Re: correction promulgated in Monthly Edition No. 4/97)

Add: Port hand light spar **buoy** TG5 (467.16) is moored 0.25 mile WSW of the Public wharf.

(N00-06.2)

Page 49 — Diagram *Petty Harbour*

Add light "F1" @ 294°59', 375 metres from SE corner of the border.

Add light "F1" @ 297°27', 381.7 metres from SE corner of the border.

(N00-06.3)

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

Page 25 — Paragraph 283, lines 3 and 4

Delete: "The outer ... 1990"

Replace by: A dolphin lies about 15 m off the west corner of the wharf, to which it is joined by a catwalk.

(L39/99)

Page 23 — Make the following changes under the columns "**Depth**" and "**Remarks**".

Berth	Depth m (ft)	Remarks
Quai du parc Urbain		
20	2 to 4.8 (6 to 16)	*Total berth length for all faces; berth length of SE side, 28 metres only.

(L39/99)

Page 45 — Paragraph 119, last line

Cancel correction promulgated in Weekly Edition No. 37/92.

Add: Depths alongside the wharf are from 21 ft (6.7 m), near the dry dock, to 18 ft (5.5 m).

(L46/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 45 — Delete paragraph 120

Replace by: 120 *Compagnie Verreault Navigation Inc.* operates a **shipyard** on the SE side of the inner end of the wharf. Repairs, inspections and maintenance of all kinds (hull and engine) are undertaken. There is a **dry dock** 826 ft (252 m) long and 90 ft (27.4 m) wide. SE of the dry dock, there is a shed with a 500 t marine railway that can accommodate vessels up to 120 ft (36.6 m) in length and 41 ft (12.5 m) in width. The dry dock is open all year long. Two cranes on rail (50 and 90 t) are on the NW side of the dry dock. Repairs can also be conducted to vessels berthed at the public wharf.

(L46/99)

Page 62 — Paragraph 108, last line

Delete: light

(L66/99)

Page 62 — Delete paragraph 110.

(L66/99)

Page 64 — Paragraph 128, line 2

Delete: 301½°

Replace by: 302°

(L66/99)

ATL 111 — St. Lawrence River — Île Verte to Québec, Second Edition, 1999 —

Page 26 — Delete paragraph 90 and the pictograph pertaining to it.

(L00-01.1)

Page 26 — **BASSIN LOUISE** Diagram

Delete light @ 074½°, 792 metres from the SW corner of the border.

(L00-01.2)

Page 41 — Paragraph 64, lines 3 and 4

Delete: "The ... whistle."

(L66/99)

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

Page 1 — Delete paragraph 3.1 (as promulgated in Bi-weekly Edition No. 18/94)

Replace by: 3.1 **Maintained depths.** — The channel is dredged to a depth of 11.0 m (36 ft) from buoy D46 (46°33'N, 72°10'W), above Deschaillons-sur-Saint-Laurent, to buoy D77 (46°29'N, 72°14'W), above Batiscan. Between buoy D77 and buoy M177, in Montreal Harbour, the channel is dredged to a depth of 11.3 m (37 ft). However, a 7.5 m (25 ft) wide band, with a depth of 10.7 m (35 ft), runs along the inside limits of each side of the channel between buoys D142 and PAT (45°39'N, 73°29'W). For more details, see the limits shown on the chart.

(L69/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 11 — Paragraph 135, line 3 (Re: correction promulgated in Bi-weekly Edition No. 18/94)

Delete: 11 m (36 ft)

Replace by: 11.3 m (37 ft)

(L69/99)

Page 17 — Before paragraph 1

Page 18 — Top of left column

Page 31 — Before paragraph 165

Page 32 — Top of left column

Delete: 1338, 1339

Replace by: 1311

(L69/99)

Page 17 — Paragraph 3, lines 1 and 2 (Re: correction promulgated in Bi-weekly Edition No. 18/94)

Delete: 11.0 m (36 ft)

Replace by: 11.3 m (37 ft)

(L69/99)

Page 17 — Delete paragraph 3.1 (as promulgated in Bi-weekly Edition No. 18/94)

Replace by: 3.1 **Maintained depths.** — Between buoy D77 (46°29'N, 72°14'W), above Batiscan, and buoy M177, in Montreal Harbour, the channel is dredged to a depth of 11.3 m (37 ft). However, a 7.5 m (25 ft) wide band, with a depth of 10.7 m (35 ft), runs along the inside limits of each side of the channel between buoys D142 and PAT (45°39'N, 73°29'W). For more details, see the limits shown on the chart.

(L69/99)

Page 17 — Delete paragraph 4

Replace by: 4 **Small craft channel.** — It is recommended to small crafts to follow the secondary channel between Lanoraie and Longueuil. This winding channel runs along the north shore in its lower part, crosses the main channel at Varennes and then runs upstream along the east shore. All details on this secondary channel are given later in this chapter. • See chart for depths. • Marked by buoys.

(L69/99)

Page 18 — Paragraph 13, line 9

Delete: *Chart 1312*

Replace by: *Charts 1311 and 1312*

(L69/99)

Page 18 — Paragraph 13, line 12

Page 26 — Before paragraph 106

Page 27 — Top of left column

Page 27 — Before paragraph 116

Page 28 — Top of left column

Delete: 1338

Replace by: 1311

(L69/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 18 — Paragraph 13, line 15 Delete: <i>Charts 1338 and 1339</i> Replace by: <i>Chart 1311</i>	(L69/99)
Page 18 — Paragraph 13, line 16 Delete: <i>1339 and 1352</i> Replace by: <i>1310 and 1311</i>	(L69/99)
Page 19 — Paragraph 25, line 4 (Re: correction promulgated in Bi-weekly Edition No. 18/94) Delete: 36 ft (11.0 m) Replace by: 37 ft (11.3 m)	(L69/99)
Page 22 — Paragraph 66, line 3 (Re: correction promulgated in Bi-weekly Edition No. 18/94) Delete: 36 ft (11.0 m) Replace by: 37 ft (11.3 m)	(L69/99)
Page 23 — Paragraph 69, line 6 Delete: 160 feet (49 m) Replace by: 180 feet (55 m)	(L69/99)
Page 23 — Paragraph 79, line 2 Delete: 174 feet (53 m) Replace by: 171 feet (52 m)	(L69/99)
Page 27 — Paragraph 116, line 7 (Re: correction promulgated in Bi-weekly Edition No. 18/94) Delete: 36 feet (11.0 m) Replace by: 37 feet (11.3 m)	(L69/99)
Page 27 — Paragraph 121, lines 2 and 3 Delete: 182 feet (55.5 m) or *170 feet (*51.8 m) Replace by: 180 feet (55 m) or *171 feet (*52 m)	(L69/99)
Page 27 — Paragraph 122, lines 3 and 4 Delete: “• About ... lights.”	(L69/99)
Page 27 — Paragraph 122, last line – after “lights” Insert: and white strobe lights	(L69/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 28 — Before paragraph 134

Page 29 — Top of left column

Page 30 — Top of left column

Delete: 1339

Replace by: 1311

(L69/99)

Page 28 — Paragraph 136, line 2 – after “wharf.”

Insert: Another marina, *Parc nautique Contrecoeur*, is situated 0.5 mile below the wharf.

(L69/99)

Page 28 — Paragraph 136, lines 3 and 8

Delete: the marina

Replace by: these marinas

(L69/99)

Page 28 — Paragraph 136, lines 4 and 5

Delete: (*chart 1338*)

(L69/99)

Page 29 — **Table 2.3** – Dock No. 2 – **Depth** column

Delete: 6.1 (20)

Replace by: 6.7 (22)

(L69/99)

Page 29 — After paragraph 144

Insert: 144.1 A ferry plies between Verchères and Île Bouchard; see the chart.

(L69/99)

Page 30 — **VERCHÈRES** Diagram

Add a ferry crossing between a position @ 029°00' and 639 metres from the SW corner of the border and a position @ 032°00' and 535 metres from the same corner.

(L69/99)

Page 30 — After paragraph 155

Insert: 155.1 A private lighted cautionary buoy, moored 0.7 mile above Cap Saint-Michel, marks a water intake.

(L69/99)

Page 31 — Paragraph 165, line 5 – after “Sainte-Thérèse”

Insert: by Chenal des Plaisanciers

(L69/99)

Page 31 — Paragraph 165, lines 5 and 6

Delete: The channel is 300 feet (91 m) wide and

Replace by: This winding channel is

(L69/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Page 32 — Paragraph 178, line 1
Delete: **Public wharves**: the first one
Replace by: A public **wharf**
(L69/99)
- Page 32 — Paragraph 178, lines 5 to 7
Delete: “About ... (1.2 m).”
(L69/99)
- Page 32 — Paragraph 180, line 2 – after “channel”
Insert: (Chenal des Plaisanciers)
(L69/99)
- Page 32 — Paragraph 181, lines 2 and 3
Delete: “between ... 2337.5).”
Replace by: at light buoy M129 (2337).
(L69/99)
- Page 32 — Paragraph 184, line 1
Delete: Three
Replace by: Four
(L68/99)
- Page 32 — Paragraph 184, line 1 – after “sector:”
Insert: Marina Laforest is situated west of Île Lebel;
(L68/99)
- Page 32 — Paragraph 187, lines 1 to 4
Delete: “Another ... buoy.”
Replace by: From a position NE of buoy M133, Chenal des Plaisanciers runs South and joins Chenal du Sud.
(L69/99)
- Page 32 — Delete paragraph 191
Replace by: 191 Six ferries join Boucherville area to Îles de Boucherville; two of these are driven by cables and ply between **Île à Pinard** and **Île Sainte-Marguerite**.
(L68/99)
- Page 33 — Paragraph 196, line 1
Delete: A ramp and a floating dock
Replace by: Two landings and a launching ramp
(L68/99)
- Page 34 — Paragraph 206, line 1
Delete: Three
Replace by: Two
(L68/99)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 34 — Paragraph 206, line 5

Delete: 27

Replace by: 26

(L68/99)

Page 35 — Delete paragraph 223

Replace by: 223 The main shipping channel in Port of Montréal has a depth of 11.3 m over a width of 245 m up to buoy M177. Above this buoy and up to buoy Île Sainte-Hélène, the channel is dredged to a depth of 11 m. Above buoy Île Sainte-Hélène and up to Quai Alexandra, the channel is dredged to a depth of 10.7 m, with a least width of 168 m under Jacques-Cartier bridge. The channel is well marked by buoys and leading lights.

(L68/99)

Page 64 — Table of marinas facilities – Chapter 2

Add:

Parc Nautique Contrecoeur	450-587- 5495	70	5						G		M/ H	s	s	s	s	T/ S	s	s	68	s
Marina Laforest Repentigny	450-582- 0223	24	4							s	M			s	s	T/ S	s			s

(L69/99)

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

Page 49 — Paragraph 175, line 3 – after “steeply.”

Add: A decommissioned light tower, 6.1 m (20 ft) high, white with a red upper part, stands on the north end of the point.

(C00-012.1)

Page 49 — Delete paragraph 176 and the pictograph pertaining to it.

(C00-012.2)

CEN 302 — Lake Ontario, First Edition, 1996 —

Page 8 — Paragraph 98, line 3

Delete: gravel

Replace by: concrete

(C00-015.1)

Page 8 — Paragraph 104, lines 1 and 2

Delete: “The passenger and ... *The Quinte Loyalist*”

Replace by: Passenger and automobile **ferries**

(C00-015.2)

Page 13 — Paragraph 194, line 3

Delete: 5 feet (1.5 m) in 1994

Replace by: 3 feet (0.9 m) in 1999

(C00-015.3)

Page 13 — Delete paragraph 195.

(C00-015.4)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 37 — After paragraph 197

Insert: 197.1 Consecon has a prominent **water tower** on a hill 0.5 mile south of the village.

(C00-015.5)

Page 38 — Paragraph 210, lines 3 and 4

Delete: 5 to 10 feet (1.5 to 3 m) in 1983

Replace by: 3 to 8 feet (0.9 to 2.4 m) in 1999

(C00-015.6)

Page 85 — Paragraph 22, line 4 – after “**buoys.**”

Insert: Mariners and fishermen are strictly forbidden to pass through, troll or anchor in the area inside the buoys when the **red flag** of the range is flying. It is vital to recognize and avoid this danger area.

(C00-017.1)

Page 91 — Paragraph 105, line 5 – after “**buoys.**”

Insert: Mariners and fishermen are strictly forbidden to pass through, troll or anchor in the area inside the buoys when the **red flag** of the range is flying. It is vital to recognize and avoid this danger area.

(C00-017.2)

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

Page 46 — Paragraph 132, line 4 – after “**buoys.**”

Insert: Mariners and fishermen are strictly forbidden to pass through, troll or anchor in the area inside the buoys when the **red flag** of the range is flying. It is vital to recognize and avoid this danger area.

(C00-019.1)

Page 59 — After paragraph 121

Insert: 121.1 The Kingsville municipal **water tower**, with air obstruction **lights**, is **conspicuous** from the lake. It is obscured on closer approach.

(C00-019.2)

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

Page 37 — Paragraph 156, lines 10 and 11

Delete: “*Sailing Directions*” to end of paragraph.

Replace by: *United States Coast Guard Light List, Volume VII, Great Lakes, 9990 and 10000*.

(C00-013.1)

CEN 306 — Georgian Bay, First Edition, 1998 —

Page 26 — Paragraph 102, line 5 – after “**buoys.**”

Insert: Mariners and fishermen are strictly forbidden to pass through, troll or anchor in the area inside the buoys when the **red flag** of the range is flying. It is vital to recognize and avoid this danger area.

(C00-018.1)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 102 — Paragraph 17, line 2

Delete: Camping is available near by.

(C00-018.2)

Great Lakes, Volume 2, Seventh Edition, 1993 —

Page 63 — After paragraph 180

Insert: 180.1 *Bruce Generating Station A* is on Macpherson Point and *Bruce Generating Station B* is on Douglas Point. Each has a cooling water discharge channel to the lake. There are private **lighted ranges** and private **wharves** for inspection vessels. The plant grounds are restricted and no trespassing is allowed.

(C00-014.1)

Page 74 — Delete paragraphs 54 to 56

Replace by: 53.1 **Melville Point** (*name incorrectly positioned on chart 2298*) forms the west side of Square Bay. **Melville Bay** (*not named on chart 2298*), **Dominion Bay** and **Dominion Point** are farther west.

54 **Anchorage** with protection from westerly winds can be found in Dominion Bay.

55 A cape extending west from Dominion Point is low and formed of limestone. The unnamed west point of the cape (*shown as Melville Point on Chart 2298*) is a little higher than the adjoining coast and is composed of larger broken stones.

56 **Shrigley (Srigly) Bay** is close NW of the west point of the cape. A stream empties into the bay through a sandbank.

(C00-014.2)

Page 205 — Paragraph 111, lines 7 and 8

Cancel correction promulgated in Monthly Edition No. 9/96.

Delete: "at Ninemile Point ... Bayfield Dike Light"

Replace by: *immediately before the turn at Mission Point, at the intersection of Course 1, Bayfield Channel and Course 2, Little Rapids Cut*

(C00-020.1)

Section 5

EDN 03/00

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

63.54	Noeling Cove light buoy PM7	47 10 04.6 55 08 02	F G 4s	Green, marked "PM7".	Year round.	Chart:4587 Edn 03/00
176.1	Crabbes River light buoy XD5	48 13 12 58 51 00	F G 4s	.....	.....	Green, marked "XD5".	Seasonal.	Chart:4022 Edn 03/00
176.2	Crabbes River light buoy XD4	48 13 10 58 52 02	F R 4s	.....	.....	Red, marked "XD4".		Chart:4022 Edn 03/00
176.4	Crabbes River Inner cautionary light buoy X	48 13 00 58 51 44.4	F Y 4s	.....	.....	Yellow, marked "X".	Seasonal.	Chart:4022 Edn 03/00
467.09	Dildo breakwater	47 34 08.6 53 33 40.9	Fl G 4s	3.4	.....	Tower. 2.1	Flash 0.5 s; eclipse 3.5 s Year round.	Chart:4851 Edn 03/00
467.16	Bellevue Outer light buoy TG5	47 38 15.4 53 44 27.9	F G 4s	.....	.....	Green, marked "TG5".	Seasonal.	Chart:4851 Edn 03/00
467.22	Chance Cove breakwater	47 40 49.9 53 49 41	F R	2.6	.....	Tower. 2.1	Year round.	Chart:4851 Edn 03/00
507.6	Petty Harbour North, breakwater	47 27 51 52 42 17	Fl R 4s	.....	.....	Cylindrical mast. 2.1	Year round.	Chart:4846 Edn 03/00

ATLANTIC

11 H4186	Southwest Head	On edge of cliff S. extremity of head. 44 36 02.9 66 54 19.8	Fl W 10s	47.5	14	White tower on white square building. 9.9	Emergency light. Year round. Horn - Blast 6s; sil. 54s Horn points 240°. Year round.	Chart:4124 Edn 03/00
15 H4181.5	White Horse Islet	44 36 09.7 66 48 25.6	Fl G 4s	13.4	.....	Mast, red and white rectangular daymark, black square in centre. 6.6	Radar reflector. Year round.	Chart:4124 Edn 03/00
41 H4152	Cherry Islet	On SE. point of island. 44 55 07.4 66 58 00	Fl R 12s	9.8	8	Cylindrical tower, red and white horizontal bands, red band at top. 7.5	Flash 1.5 s; eclipse 2 s; flash 1.5 s; eclipse 7 s Emergency light. Year round. Horn - Blast 2s; sil. 18s.	Chart:4114 Edn 03/00

Section 5

EDN 03/00

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

99 H4092	Lorneville	On outer portion of breakwater. 45 11 35.3 66 08 53.3	Fl W 4s	7.0	5	Cylindrical mast. 6.6	Year round. Chart:4117 Edn 03/00
259.9 H3803.6	Gull Island						Delete from List. Chart:4244 Edn 03/00
296.3	Ledge Harbour light buoy AA3	Off S. end of island. 43 38 47.5 65 49 14	Fl G 4s	.....	.....	Green, marked "AA3".	Year round. Chart:4244 Edn 03/00
738	Michaud Ledges light and whistle buoy N18	45 32 48.9 60 44 03.8	Fl R 4s	.....	.....	Red, marked "N18".	Seasonal. Chart:4374 Edn 03/00
797	Carey Beach light and bell buoy Q1	W. of Table Rock. 46 19 06.6 60 23 13.1	Fl G 4s	.....	.....	Green, marked "Q1".	Winter spar. Year round. Chart:4277 Edn 03/00
797.5	Carey Beach light and bell buoy Q2	46 19 05.6 60 23 18.9	Fl R 4s	.....	.....	Red, marked "Q2".	Seasonal. Chart:4277 Edn 03/00
798	Black Rock Point light buoy Q3	N. of Black Rock Shoal. 46 18 52.4 60 23 26.2	Q G 1s	.....	.....	Green, marked "Q3".	Seasonal. Chart:4277 Edn 03/00
799 H778	Black Rock Point	S. side of entrance to Great Bras d'Or. 46 18 18.8 60 23 29.5	Fl W 6s	22.8	13	White square tower. 10.4	Flash 2 s; eclipse 4 s Visible from 047° through E., and S. to 227°. Emergency light. Year round. Horn - Blast 3s; sil. 27s Horn points 353°. Year round. Chart:4277 Edn 03/00
800 H779	Black Rock Point Sector	On point near shore. 46 18 18.7 60 23 32.3	F Al W GW R Al RW	G W R	16.5	20 3.0	Triangular skeleton tower, enclosed lower portion. Green from 045°15' to 048°15'; Al GW from 048°15' to 048°30'; white from 048°30' to 049°30'. Al RW 049°30' to 049°45'; red from 049°45' to 053°45'. White sector indicates preferred channel. Seasonal. Chart:4277 Edn 03/00
801	Great Bras d'Or Entrance Outer light buoy Q4	W. of Black Rock Point light. 46 18 39.8 60 23 42.7	Fl R 4s	.....	.....	Red, marked "Q4".	Seasonal. Chart:4277 Edn 03/00

Section 5

EDN 03/00

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

801.5	Little Shoal light buoy Q5	46 18 17.4 60 23 58.8	F G	4s	Green, marked "Q5".		
							Chart:4277 Edn 03/00	
802	Great Bras d'Or Inner light buoy Q6	Off The Bar. 46 17 56.8 60 24 20.1	F R	4s	.....	Red, boat type, marked "Q6".	Winter spar Year round.
							Chart:4277 Edn 03/00	
802.1	Gooseberry Beach light buoy Q7	46 17 54 60 24 18.4	F G	4s	.....	Green, marked "Q7".	
							Chart:4277 Edn 03/00	
802.2	Carey Point light buoy Q8	46 17 43 60 24 33.9	Q R	1s	.....	Red, boat type marked "Q8".	
							Chart:4277 Edn 03/00	
803 H782	Great Bras d'Or range	On Noire Point. 46 17 25.5 60 24 48.3	F G		15.7	White tower, red vertical stripe. 9.9	Visible in line of range. Seasonal.
804 H782.1		212°25' 514.5m from front.	F G		19.1	White structure, red vertical stripe. 16.4	Visible in line of range. Seasonal.
							Chart:4277 Edn 03/00	
804.5 H784	Duffus Point	On wharf. 46 16 51.6 60 25 30.1	F W		5.8	12	Square skeleton mast, enclosed lower portion. 5.3	Seasonal.
							Chart:4277 Edn 03/00	
804.6 H786	Kellys Cove wharf	S. corner of wharf. 46 17 19.3 60 26 13.5	F W		5.0	12	Skeleton mast, enclosed lower portion. 3.8	Seasonal.
							Chart:4277 Edn 03/00	
804.8	Great Bras D'Or Inner light buoy Q10	46 16 26.8 60 26 46.5	F R	4s	.....	Red, marked "Q10".	
							Chart:4277 Edn 03/00	
805	Chain Point Shoal light buoy Q11	46 15 40 60 27 29.8	F G	4s	.....	Green, marked "Q11".	Seasonal.
							Chart:4277 Edn 03/00	
805.8	Seal Reefs light buoy Q12	E. of reefs. 46 14 04.2 60 29 20.2	Q R	1s	.....	Red, boat type, marked "Q12".	Winter spar Year round.
							Chart:4277 Edn 03/00	
806	Seal Reefs light buoy Q14	46 13 50.2 60 29 34.7	F R	4s	.....	Red, marked "Q14".	Winter spar Year round.
							Chart:4277 Edn 03/00	
807	Lime Rock light buoy Q15	SW. of McLean Point. 46 13 27.2 60 29 57.3	F G	4s	.....	Green, marked "Q15".	Seasonal.
							Chart:4277 Edn 03/00	

Section 5

EDN 03/00

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

ATLANTIC

808 H790	Otter Harbour Sector	46 13 07.4 60 31 47.5	F	R W G	5.5	6	Square mast on white shed. 4.6	Red from 260° through W. to 281°41'; white from 281°41' to 283°29'; green from 283°29' to 314°. White sector indicates preferred channel. Seasonal.	Chart:4277 Edn 03/00
809.7 H792	Man of War Point range	46 11 31.8 60 32 39.6	F	Y	19.3	.....	Triangular skeleton tower, white daymark, red vertical stripe. 9.1	Seasonal.	
809.8 H792.1		223°04' 768.8m from front.	F	Y	29.0	.....	Triangular skeleton tower, white daymark, red vertical stripe. 19.8	Seasonal.	Chart:4277 Edn 03/00
810.7 H796	MacFarlane Point range	46 07 34.1 60 36 15.1	F	Y	18.0	.....	Skeleton tower, white daymark, red vertical stripe. 9.7	Seasonal.	
810.8 H796.1		065°15' 277.2m from front.	F	Y	31.0	.....	Skeleton tower, white daymark, red vertical stripe. 10.2	Seasonal.	Chart:4277 Edn 03/00
811 H798	MacKenzie Point	W. of MacDonald Point. 46 06 59.5 60 38 55.7	Fl	R 4s	23.8	5	Skeleton mast, red and white rectangular daymark. 6.1	Seasonal.	Chart:4277 Edn 03/00
813 H810	Point Clear	On point, S. side of Boularderie Island. 46 05 29.3 60 35 53.6	Fl	W 4s	7.6	6	Skeleton mast, red and white rectangular daymark. 6.1	Seasonal.	Chart:4277 Edn 03/00
845.1	Great Bras D'Or (St. Ann's Bay) light buoy KP2	46 18 02.2 60 31 47.3	Fl	R 4s	.....	.....	Red, marked "KP2".		Chart:4277 Edn 03/00
1018.1	Summerside Outer range	W. side of Summerside River. 46 23 43.1 63 48 35	F	R	9.3	.....	White square tower, red upper portion, white daymark, red vertical stripe. 9.0	Visible in line of range. Year round.	
1018.2		028°57' 430.3m from front.	F	R	14.8	.....	White square tower, red upper portion, white daymark, red vertical stripe. 10.1	Visible in line of range. Year round.	Chart:4459 Edn 03/00
1018.5	Summerside Harbour light buoy DE3	46 21 58.2 63 50 01.7	Fl	G 4s	.....	.....	Green, marked "DE3".	Seasonal.	Chart:4459 Edn 03/00
1018.6	Summerside Harbour light buoy DE4	46 22 20.2 63 49 39.2	Fl	R 4s	.....	.....	Red, marked "DE4".	Seasonal.	Chart:4459 Edn 03/00

Section 5

EDN 03/00

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

ATLANTIC

1019	Indian Point light buoy DE6	46 22 42.2 63 49 21.7	Q	R	1s	.....	.....	Red, marked "DE6".	Seasonal. Winter spar.	Chart:4459 Edn 03/00
1019.1	Summerside Harbour light buoy DE7	46 22 49.2 63 49 20.2	Q	G	1s	.....	.....	Green, marked "DE7".	Seasonal.	Chart:4459 Edn 03/00
1020 H1048	Indian Head	On outer end of breakwater. 46 22 47 63 49 01.1	Iso	W	10s	14.0	11	White octagonal tower. 12.9	Emergency light. Year round.	Chart:4459 Edn 03/00
1020.1	Summerside Harbour light buoy DE8	46 22 49.2 63 49 08.7	F	R	4s	.....	.....	Red, marked "DE8".	Seasonal.	Chart:4459 Edn 03/00
1020.2	Summerside Harbour light buoy DE10	46 22 56.2 63 48 36.7	F	R	4s	.....	.....	Red, marked "DE10".	Year round. Winter spar.	Chart:4459 Edn 03/00
1020.3	Summerside Harbour light buoy DE11	46 23 03.7 63 48 15.7	F	G	4s	.....	.....	Green, boat type, marked "DE11".	Year round. Winter spar.	Chart:4459 Edn 03/00
1020.4	Summerside Harbour light buoy DE14	46 23 08.2 63 47 43.7	Q	R	1s	.....	.....	Red, boat type, marked "DE14".	Year round. Winter spar.	Chart:4459 Edn 03/00
1021 H1050	Summerside range	Near outer end of wharf. 46 23 14.4 63 47 21.2	F	G		10.8	.....	Square skeleton tower, white daymark, red vertical stripe. 9.4	Visible in line of range. Year round	
1022 H1050.1		072°04' 1436.3m from front.	F	G		24.8	.....	White square tower, red vertical stripe. 20.1	Visible in line of range. Year round.	Chart:4459 Edn 03/00
1022.5	Summerside Marina	On outer end of breakwater. 46 23 18.2 63 47 14.6	Fl	R	4s	5.2	.....	Square skeleton tower, fluorescent red and white rectangular daymark, red triangle in centre. 3.4	Visible from 269° through W. and N. to 029°. Seasonal.	Chart:4459 Edn 03/00
1023	Miscouche Shoal light and bell buoy DE	W. of Graham Head 46 19 50.2 63 51 18.7	Mo(A)	W	6s	.....	.....	Red and white, vertical stripes, marked "DE".	Seasonal.	Chart:4459 Edn 03/00
1084.5	Tignish Harbour light buoy JX2	Off Tignish Harbour. 46 56 36 63 57 15	F	R	4s	.....	.....	Red, marked "JX2".	Seasonal.	Chart:4023 Edn 03/00

Section 5

EDN 03/00

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

1756 H2098	Trois-Pistoles range	On outer end of wharf. 48 08 05.1 69 11 12.4	F R	9.0	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 7.5	Seasonal.
1756.1 H2098.1		136°56' 240.8m from front.	F R	17.0	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 15.2	Visible in line of range. Year round. Chart:1235 Edn 03/00
1956 H2318	Québec range						Delete from List.
1957 H2318.1							Chart:1316 Edn 03/00
2068.1	<i>Bécancour Outer light buoy</i>						Delete from List. Chart:1313 Edn 03/00
2068.2	<i>Bécancour Inner light buoy</i>						Delete from List. Chart:1313 Edn 03/00
2144 H2409	Lac St-Pierre Downstream (Curve Louiseville) range	On pier in water. 46 11 41.5 72 53 43.9	F G	11.6	10	Orange cylindrical tower, fluorescent orange daymark. 3.2	Operates at night only. Visible in line of range and from side. Radar reflector. Year round.
			Iso W 2s	11.1	6		Reference light. Visible 360°.
2145 H2409.1		044°06' 611.4m from front.	F G	21.2	.....	White skeleton tower, fluorescent orange daymark. 17.8	Operates at night only. Visible in line of range and side. Year round.
			Iso G 2s	21.8	4		Reference light - Visible 360°. Operates at night only. Chart:1312 Edn 03/00

INLAND WATERS

396	Knapp Point						Delete from List. Chart:1439 Edn 03/00
439	Pleasant Point						Delete from List. Chart:2006 Edn 03/00
560.1	<i>East breakwater light buoy WC59</i>	<i>Off N. end of breakwater. 42 52 01 79 15 04</i>	<i>F G 4s</i>	.....	.....	<i>Green, marked "WC59".</i>	<i>Operated by St. Lawrence Seaway Authority. Year round.</i> Chart:2042 Edn 03/00

Section 5

EDN 03/00

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

560.2	Channel light buoy WC57	E. side of channel. 42 52 10.5 79 15 01	<i>Fl</i> G 4s	Green, marked "WC57".	Operated by St. Lawrence Seaway Authority. Year round. Chart:2042 Edn 03/00
560.3	Wharf 19 light buoy WC55	Opposite wharf. 42 52 22.5 79 14 58	<i>Fl</i> G 4s	.....	.....	Green, marked "WC55".	Operated by St. Lawrence Seaway Authority. Year round. Chart:2042 Edn 03/00
560.4	Crib 3 light buoy WC53	Off crib. 42 52 29.5 79 14 56	<i>Fl</i> G 4s	.....	.....	Green, marked "WC53".	Operated by St. Lawrence Seaway Authority. Year round. Chart:2042 Edn 03/00
590	Pointe aux Pins	On S. extreme of point, E. of Rondeau Harbour. 42 15 33.6 81 50 54.7	<i>Iso</i> R 4s	15.5	6	White square skeleton tower. 12.9	Year round. Chart:2100 Edn 03/00
992	Sheguiandah	45 53 41 81 54 55	<i>Fl</i> W 4s	7.0	.....	Cylindrical mast, red and white rectangular daymark. 6.1	Seasonal. Chart:2286 Edn 03/00

**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/M No. _____ of 2000) _____ 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,
of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

In the case of information Canadian
navigational aids or the List Department
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.