



NOTICES TO MARINERS

WESTERN EDITION

Published monthly by the



CANADIAN COAST GUARD

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Marine Programs Directorate
Aids to Navigation



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

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.

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) before the chart action. Please note that Nautical charts are not hand amended by the Canadian Hydrographic Service for Temporary (T) and Preliminary (P) Notices. It is recommended that mariners chart these corrections in pencil. Listing of charts affected by Temporary and Preliminary Notices are revised and promulgated quarterly in Section 1 of the Monthly Edition.

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*.

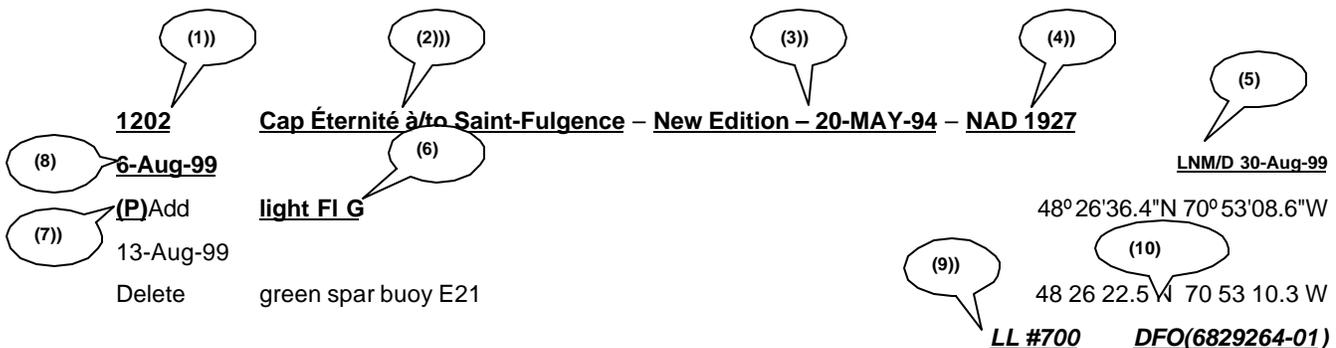
Monthly edition of Notices to Mariners - *Notices to Mariners* are issued free of charge on a monthly basis. Mariners now have a choice between specific *Regional* issue(s) they wish to receive. Requests to be placed on or removed from the mailing list should be made by using the form inserted on page *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.

CHART CORRECTIONS - SECTION 2

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 2 chart correction.



- 1 - Chart Number
- 2 - Chart Title
- 3 - Chart's latest New Edition date
- 4 - Horizontal Chart Datum
- 5 - Last Correction

- 6 - Chart action
- 7 - Notice type
- 8 - Weekly chart correction date
- 9 - List of light number
- 10 - Record reference number

The last correction number is identified with the **LNM/D** or **Last Notice to Mariners Number / Date**. This number is expressed in either old notice number format (ex.: 594/99) or in day-month-year format which is the date known as the weekly chart correction date shown in the above diagram as item (8).

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) 772-5369

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

Quebec

Quebec Regional Operations Centre GC\SO\COR
Operational Information Officer
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

Pacific Regional Marine Information Centre
Phone: (604) 666-6011
Fax: (604) 666-8453
E-mail: RMIC-Pacific@pac.dfo-mpo.gc.ca
Notice to Shipping information
http://www.pacific.ccg-gcc.gc.ca/mcts-sctm/notship/index_e.htm

DGPS FULLY OPERATIONAL SERVICE

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

FOS 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.

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, NL	338,339		
Cape Ray, NL	340,341	942	47 38 N	59 14 W	288	200
Cape Norman, NL	342,343	944	51 30 N	55 49 W	310	200
Rigolet, NL	344,345	946	54 11 N	58 27 W	299	200
Partridge Island, NB	326,327	939	45 14 N	66 03 W	295	200
Pt. Escuminac, NB	332,333	936	47 04 N	64 48 W	319	200
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
Hartlen Point, NS	330,331	937	44 36 N	63 27 W	298	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
Rivière-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
Amphitrite Pt., BC	302,303	908	48 55 N	125 33 W	315	200
Richmond, BC	304,305	907	49 11 N	123 07 W	320	200
Sandspit, BC	306,307	906	53 14 N	131 49 W	300	200

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.

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: Aids to Navigation / Aides à la navigation

- 2) Mail / Par la poste: Director, Navigation Systems Branch
Department of Fisheries and Oceans
200 Kent Street, Station 5130
Ottawa, ON
K1A 0E6

Directeur, Direction des systèmes à la navigation maritimes
Ministère des Pêches et Océans
200, rue Kent, 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 .

**NOTICE TO USERS
MAILING LIST SUBSCRIPTION RENEWAL**

Dear Client:

We appreciate your continued interest in receiving the Monthly Edition of Notices to Mariners. As technology evolves, the Canadian Coast Guard is looking at means to reduce printing and distribution costs while continuing to provide quality service to the marine community.

Internet technology has become the primary information source worldwide for organizations and individuals to receive information and various publications. As the use of the internet grows in popularity, our organization feels it is the right time to limit our mail distribution and rely primarily on the internet for distribution of the Notices to Mariners. The information, supplied by the internet, has the advantage of being relayed to the mariner immediately and efficiently.

We also encourage you to visit the Notices to Mariners web site available at the following internet address www.notmar.gc.ca . This user-friendly site is available 24 hours a day, 7 days a week. You may also register on-line to receive an automatic e-mail notification when a new Notice to Mariners is issued against any nautical chart(s) that you frequently use. We encourage users to frequently visit the site to access all the latest Notices and related information.

The Coast Guard is committed to meeting the needs of our clients. Therefore, should you wish to remain on the hard-copy mailing list, we ask that you complete the following form. The renewal form is required no later than March 31st, 2004; at that time any renewals not received will be removed from the hard-copy mailing list.

We thank you very much for your cooperation.

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST RENEWAL/CHANGES

Leader, Notices to Mariners
Navigation Aids
Navigation Systems Branch
Canadian Coast Guard
Department of Fisheries and Oceans
Ottawa, ON
K1A 0E6

Telephone (613) 990-3037
Facsimile (613) 998-8428
Internet <http://www.notmar.gc.ca>

I wish to continue receiving the hard copy _____

Please indicate which edition you would like to receive.

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WESTERN EDITION (Comprised of Arctic and Pacific areas) _____

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NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

Chart No.	Page	Chart No.	Page	Chart No.	Page
3891	6				
5003	6				
5449	6				
5450	6				
7051	6				
7082	6				
7781	6, 7				

**SECTION 1 - Edition 12/2003
SAFETY AND GENERAL INFORMATION**

CANADA - 96 HOURS NOTIFICATION PRIOR TO ENTERING CANADIAN WATERS - CAUTION.

Effective October 11th, 2001, 0000 UTC, all vessels that are:

- a) of 500 gross tonnage or more;
- b) engaged in towing or pushing a vessel, where the combined tonnage of the ship and the vessel being towed or pushed is 500 tons gross tonnage or more; or
- c) carrying a pollutant or dangerous goods, or engaged in towing or pushing a vessel carrying a pollutant or dangerous goods;

must request clearance 96 hours prior to entering Canadian waters from seaward, or as soon as practical where the estimated time of arrival of the ship in Canadian waters is less than 96 hours after the time the ship departed its last port of call. This will remain in effect until further notice.

CANADIAN HYDROGRAPHIC SERVICE - ANNOUNCEMENT REGARDING CANADIAN HYDROGRAPHIC SERVICE CHARTS PURCHASED BETWEEN AUGUST 2002 AND MARCH 2003.

The Canadian Hydrographic Service has recently discovered that some CHS charts, purchased between August 2002 and March 2003, have been experiencing unacceptable durability problems.

The problem consists of inconsistent ink adherence to the paper which may affect erasing, paper folding and water contact. These charts may be easily identified by a white chalky coating sitting loosely on their surface. Unfortunately, the coating, which rubs off easily onto your hands with normal chart handling, was improperly applied during the manufacturing process of the paper. Testing charts for this condition is best done by scratching a white area of the chart with a fingernail.

Until March 31, 2004, the Canadian Hydrographic Service will replace, with the same chart version, any charts purchased between August 2002 and March 2003 that exhibit the above-noted characteristics. You are asked to contact your dealer to arrange for your free replacements.

CHS is changing to adapt to new technologies while working diligently to ensure that resources are used effectively to permit the distribution of essential information to our clients. We thank you for your understanding during this transitional period. We are developing solutions to prevent this situation from occurring in the future. Meanwhile we apologize for any inconvenience that it might have caused.

ANNOUNCEMENT REGARDING CANADIAN HYDROGRAPHIC SERVICE PRINT ON DEMAND (POD) CHARTS

In providing nautical charts to the public, the goal of the Canadian Hydrographic Service (CHS) is to maintain a level of service for safe navigation while at the same time keeping the cost to the public at a reasonable level. Many CHS nautical paper charts are now printed using Print on Demand (POD) technology. These charts are easily recognized by the coloured logo of the Canadian Hydrographic Service. Customers may have noted some differences from conventionally lithographic printed charts. While at the present time, POD charts are not as durable as those printed by the lithographic process. This new technology enables CHS to print charts in a more efficient and cost effective manner while enhancing their content with new important information. As well, safety of navigation is not affected if the charts are used carefully.

The new POD technology allows the customer to have up-to-date corrected charts without having the historical hand corrections or glued on patches applied. In addition, it also eliminates potential out of stock situations which arose with the lithographic process. Thus, the mariner will always be able to buy an up to date product. In cases of National Emergency, large numbers of a chart can be provided in a very short period. The advantages of POD are improved marine safety, environmental protection and reduction in the risk of damage to commercial property.

CHS encourages its customers to handle the POD charts more carefully than lithographic printed charts and avoid spilling liquids on the chart. Even if there is a chalky surface to the chart, the essential information (black) should remain. When buying a chart, the POD chart will be up-to-date with the latest available information. POD paper is also whiter than traditional chart paper and as a result residual pencil marks may be more apparent. Care should be taken when plotting information on the chart by using slightly lighter pencil strokes than normally used on lithographic charts. As well, tests done by CHS have shown that an Indian gum eraser does the best job when working on the product. This eraser is also suitable for charts printed by the lithographic process.

Although, CHS is continually improving its printing and distribution processes, clients can expect the quality of POD to remain the same for approximately 2 years. Changes in the pricing of paper, ink and POD technology

**SECTION 1 - Edition 12/2003
SAFETY AND GENERAL INFORMATION**

should result in improved and more affordable delivery of service in the next few years. POD will also allow CHS to explore new business models with Private Industry. Such models may result in the availability of POD products directly from authorized chart dealers rather than from CHS.

CHS is adapting to new realities and it wishes to assure customers that resources are being used effectively to distribute essential Marine Safety information. We thank you for your understanding during this transition period. For more information please consult the CHS Website at: www.charts.gc.ca.

***1214 CANADIAN HYDROGRAPHIC SERVICE – LIST OF CHARTS NOT HAND-CORRECTED.**

Supersedes previous “List of charts not hand-corrected”, last published in Edition #09/03.

The following is a list of charts that 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	2086	3062	6035	6247	6271	6357
1351	2140	3080	6036	6248	6272	6358
1361	2261	3311	6037	6249	6273	6359
1509	2266	3312	6038	6258	6274	6360
1551	2267	3313	6050	6259	6285	6368
1554	2400	3488	6101	6260	6286	6369
2011	3052	3489	6205	6263	6287	6370
2023	3053	3601	6209	6264	6311	6371
2025	3055	6023	6240	6267	6341	6390
2026	3056	6026	6241	6268	6354	6505
2048	3057	6028	6242	6269	6355	6506
2055	3058	6030	6243	6270	6356	

The following is a list of charts that are not hand-corrected after their date of publication. Subsequent corrections for these charts are available from the Internet web site NOTMAR <http://www.notmar.gc.ca> or from the internet web site www.charts.gc.ca or from previous editions of the Notices to Mariners.

1400	2022	3050	6213
1510	2024	3061	6214
1512	2028	4141	6215
1513	2029	4142	6216
1514	2044	4145	6217
1515	2202	6021	6218
1550	2203	6022	
1552	2204	6100	
1553	2205	6207	
1555	2206	6211	
2021	2260	6212	

Please be advised that certain copies of charts, which are not normally corrected for Notices to Mariners by the Canadian Hydrographic Service, have had Notices to Mariners incorporated on the chart prior to distribution.

When these charts contain the following two notes:

1. “The information contained on this chart has been corrected from Notices to Mariners to the date of publication only. For subsequent corrections, consult the Notices to Mariners or write to Nautical Information, Canadian Hydrographic Service, Department of Fisheries and Oceans, Ottawa, Ontario K1A 0E6. Please state the latest edition date.

Le contenu de cette carte a été corrigé au moyen des Avis aux navigateurs au moment de sa publication seulement. Pour les corrections subséquentes, consulter les Avis aux navigateurs au écrire à Information nautique, Service hydrographique du Canada, ministère des Pêches et des Océans, Ottawa (Ontario) K1A 0E6. Veuillez indiquer la date de la dernière édition.”

**SECTION 1 - Edition 12/2003
SAFETY AND GENERAL INFORMATION**

2. "NOTICES TO MARINERS / AVIS AUX NAVIGATEURS (*Followed by Notice to Mariners Number*)"

The note that says: "NOTICES TO MARINERS / AVIS AUX NAVIGATEURS (*Followed by Notice to Mariners Number*)" supersedes the first note.

Please be advised that the publications entitled *Guide to Federal Small Craft Harbours* of Ontario and of Quebec are no longer being updated by the Department of Fisheries and Oceans. As a result, the notes regarding these publications will be removed from the appropriate charts upon the next printing.

***1215 CANADIAN HYDROGRAPHIC SERVICE - LIST OF HAND-CORRECTED CHARTS.**

Supersedes List of hand-corrected charts published in Edition #09/03.

The following is a list of charts, which are hand-corrected after their date of publication from information published in Notices to Mariners. CHS will provide a list of corrections for these charts on request. You can now obtain these corrections from the Internet web site NOTMAR, <http://notmar.gc.ca>

1310	2225	6109
1311	2226	6110
1409	L/C 2228	6111
1410	2235	6112
1431	2241	6201
1432	L/C 2243	6206
1433	2244	6251
1434	2245	6281
1435	2250	6310
1436	2251	6408
1437	2257	6409
1438	2258	6410
1439	2259	6411
L/C 2000	2268	6412
2006	2273	6413
2007	2274	6414
2017	2282	6415
2018	2283	6416
2042	2284	6417
2043	2289	6418
2049	2291	6419
2050	2292	6420
2053	2293	6421
2054	2294	6422
2058	2297	6423
2059	2298	6424
2060	2299	6425
2061	L/C 2300	6426
2064	L/C 2301	6427
2067	L/C 2302	6428
2069	2303	6429
2070	2304	6430
2077	2305	6431
2085	2306	6432
L/C 2100	2307	6433
L/C 2110	2308	6434
L/C 2120	2309	6435
L/C 2121	2310	6436
L/C 2122	2311	6437
L/C 2123	2312	6438
2165	2313	6441
2181	2314	6451
2200	2315	6452
L/C 2201	2318	6453
2218	6105	6454
2221	6106	6455
2222	6107	
2223	6108	

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SAFETY AND GENERAL INFORMATION**

***1212 CANADIAN HYDROGRAPHIC SERVICE - ELECTRONIC NAVIGATION CHARTS.**

Notes: (1) The following ENC products are only available from:

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

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

RELEASED PRODUCTS					
S-57 ENC NUMBER	CHART TITLE				
CA570009	Fishermans Cove				
CA570011	Mannion Bay and/et Snug Cove				
CA570010	Horseshoe Bay				
CA570012	Squamish Harbour				
CA570013	Shoal Channel				
CA570014	Victoria Harbour				

***1213 CANADIAN HYDROGRAPHIC SERVICE - RASTER NAVIGATION CHARTS.**

Notes: (1) The following ENC products are only available from:

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

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

CHARTS	MAIN TITLE			
New Chart	All temporary and preliminary notices affecting the previous versions of the following chart are now cancelled. For any outstanding notices please consult section 2 of this edition.			
3058R/M	Arrowhead to/àRevelstoke		21-JUN-1991	See Note 2
New Editions	All temporary and preliminary notices affecting the previous versions of the following charts are now cancelled. For any outstanding notices please consult section 2 of this edition.			
2024R/M	Buckhorn to/àBobcaygeon including/y compris Chemong Lake		16-MAY-2003	See Note 2
2314R/M	Port of Thunder Bay		12-SEP-2003	See Note 2
3419R/M	Esquimalt Harbour		27-JUN-2003	See Note 2
3473R/M	Active Pass, Porlier Pass and/et Montague Harbour		02-MAY-2003	See Note 2
3682R/M	Kyuquot Sound		02-MAY-2003	See Note 2
3683R/M	Checleset Bay		11-JUL-2003	See Note 2
4015R/M	Sydney to/à Saint-Pierre		28-MAR-2003	See Note 2
4016R/M	Saint-Pierre to/àSt. John's		06-JUN-2003	See Note 2
4017R/M	Cape Race to/àCape Freels		07-MAR-2003	See Note 2
4022R/M	Cabot Strait and approches / Détroit de Cabot et les approches, Scatarie Island to/àAnticosti Island / Île D'Anticosti		17-JAN-2003	See Note 2
4045R/M	Sable Island Bank/Banc de l'île de Sable to/au St.Pierre Bank/Banc de Saint Pierre		10-OCT-2003	See Note 2

SECTION 1 - Edition 12/2003
SAFETY AND GENERAL INFORMATION

CHARTS	MAIN TITLE			
New Editions	All temporary and preliminary notices affecting the previous versions of the following charts are now cancelled. For any outstanding notices please consult section 2 of this edition.			
4211R/M	Cape Lahave to/àLiverpool Bay		20-JUN-2003	See Note 2
4308R/M	St. Peters Bay to/àStrait of Canso		21-MAR-2003	See Note 2
4363R/M	Cape Smoky to/àSt. Paul Island		12-SEP-2003	See Note 2
4367R/M	Flint Island to/àCape Smoky		03-APR-2003	See Note 2
4379R/M	Liverpool Harbour		18-JUL-2003	See Note 2
4384R/M	Pearl Island to/àCape La Have		10-JAN-2003	See Note 2
4395R/M	Lahave River Riverport to/àConquerall Bank		04-JUL-2003	See Note 2
4403R/M	East Point to/àCape Bear		04-APR-2003	See Note 2
4437R/M	Pictou Harbour		14-MAR-2003	See Note 2
4445R/M	Merigomish Harbour		23-MAY-2003	See Note 2
4450R/M	St. Paul Island		21-MAR-2003	See Note 2
4460R/M	Charlottetown Harbour		30-MAY-2003	See Note 2
4463R/M	Chéticamp to/àCape Mabou		27-JUN-2003	See Note 2
4497R/M	Amet Sound		27-JUN-2003	See Note 2
4498R/M	Pugwash Harbour and approaches/et les approches		20-JUN-2003	See Note 2
4514R/M	St. Anthony Bight and Harbour		23-MAY-2003	See Note 2
4521R/M	Baie Verte		04-JUL-2003	See Note 2
4524R/M	Botwood Harbour		04-JUL-2003	See Note 2
4529R/M	Fogo Harbour Seal Cove and Approaches/et les approches		13-JUN-2003	See Note 2
4616R/M	Burin Harbours and Approches / et les approches		06-JUN-2003	See Note 2
4622R/M	Cape St. Mary's to/àArgentia Harbour and/et Jude Island		03-OCT-2003	See Note 2
4625R/M	Burin Peninsula to/àSaint-Pierre		24-JAN-2003	See Note 2
4626R/M	Saint-Pierre and/et Miquelon (France)		24-JAN-2003	See Note 2
4643R/M	Ile Saint-Pierre (France)		28-MAR-2003	See Note 2
4652R/M	Humber Arm Meadows Point to/àHumber River		10-JAN-2003	See Note 2
4653R/M	Bay of Islands		30-MAY-2003	See Note 2
4666R/M	St Barbe Point to/àOld Férolle Harbour		11-JUL-2003	See Note 2
4667R/M	Savage Cove to/a St Barbe Bay		27-JUN-2003	See Note 2
4682R/M	Larkin Point to/àCape Anguille		27-JUN-2003	See Note 2
4839R/M	Head of/Fond de Placentia Bay		01-AUG-2003	See Note 2
5001R/M	Labrador Sea/Mer du Labrador		17-JAN-2003	See Note 2
5140R/M	South Green Island to/àTicoralak Island		27-JUN-2003	See Note 2
5143R/M	Lake Melville		07-MAR-2003	See Note 2
8048R/M	Cape Harrison to/àSt. Michael Bay		20-JUN-2003	See Note 2

**SECTION 2 – Edition 12/2003
CHART CORRECTIONS**

3891 - Skidegate Channel - New Chart - 08-SEP-1989 - NAD 1983

05-DEC-2003		LNMD. 28-FEB-2003
Delete	orange and white mooring buoy and legend 3 buoys/bouées	53°06'38.0"N 132°23'31.0"W DFO(6200698-01)

3891 - East Narrows and/et West Narrows - New Chart - 08-SEP-1989 - NAD 1983

05-DEC-2003		LNMD. 28-FEB-2003
Delete	orange and white mooring buoy	53°08'37.0"N 132°12'59.0"W DFO(6200698-02)

5003 - Hudson Bay (Southern Portion) and James Bay - New Edition - 26-SEP-1969 - Unknown

26-DEC-2003		LNMD. 28-APR-2000
Add	shoal with depth of 6 fathoms, 2 feet, Rep (2003)	59°13'57.0"N 078°59'55.8"W DFO(6601053-01)

5449 - Hudson Bay Baie d'Hudson, Northern Portion/Partie nord - New Edition - 15-AUG-1986

26-DEC-2003		LNMD. 24-JAN-2003
Add	shoal with depth of 6 fathoms, 2 feet, Rep (2003)	59°13'57.0"N 078°59'55.8"W DFO(6601053-01)

5450 - Hudson Strait - New Edition - 22-MAY-1970 - NAD 1927

26-DEC-2003		LNMD. (595-1988)
Add	shoal with depth of 6 fathoms, 2 feet, Rep (2003)	59°13'57.0"N 078°59'55.8"W DFO(6601053-01)

7051 - Cumberland Sound - New Edition - 14-DEC-1973 - Aerial Photography (uncontrolled)

26-DEC-2003		LNMD. (575-1993)
Add	islet	65°50'53.7"N 065°58'08.7"W DFO(6601091-01)
Add	islet	65°52'14.3"N 065°55'00.4"W DFO(6601091-02)

7082 - Cape Baring to Cambridge Bay - New Edition - 20-MAY-1966 - Unknown

26-DEC-2003		LNMD. (2314-1999)
Amend	note (See Chart 7781) to read (See Chart 7793)	66°48'00.0"N 108°16'00.0"W DFO(6601125-04)

7781 - Bathurst Inlet - New Chart - 06-JUL-1990 - NAD 1927

26-DEC-2003		LNMD. (149-1998)
Delete	note Inset / Cartouche and limits of inset	66°50'50.0"N 107°57'36.0"W DFO(6601125-01)

Delete	note Continuation A	in south border of chart at 107°45'00"W DFO(6601125-02)
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Add	note Adjoining Chart / Carte adjacente 7793	in south border of chart at 107°45'00"W DFO(6601125-03)
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7781 - Continuation A - New Chart - 06-JUL-1990 - NAD 1927

26-DEC-2003		LNMD. (149-1998)
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**SECTION 2 – Edition 12/2003
CHART CORRECTIONS**

Add reference note 66°35'00.0"N 107°40'00.0"W
CANCELLED/ANNULÉ
SEE CHART/VOIR CARTE 7793
Continuation A is now part of Chart 7793.

DFO(6601086-01)

7781 - Bathurst Inlet - New Chart - 06-JUL-1990 - NAD 1927

26-DEC-2003

Add reference note LNM/D. (149-1998)
66°52'00.0"N 107°58'00.0"W
CANCELLED/ANNULÉ
SEE CHART/VOIR CARTE 7793
Bathurst Inlet inset is now part of Chart 7793.

DFO(6601086-02)

SECTION 4 – Edition 12/2003
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Arctic Canada, Volume II, Fourth Edition, 1985 —

Page 95 — After paragraph 117

Insert: 117.1 Two **islets** lie 3 miles NW of the NW side of
Kikastan Islands.

(C2003-039.1)

Arctic Canada, Volume 3, Fifth Edition, 1994 —

Page 70 — Delete paragraph 212

Replace by: 212 A small island, 1.8 miles SSW of Sesqui Islands, is
5 m (16 ft) high.

(C2003-035.1)

Page 80 — After paragraph 307

Insert: 307.1 **Caution.** — **Depth.** — There is a depth of 10.4 m
(34 ft) in mid-channel 6 miles ENE of Desbarats Inlet.

(C2003-035.2)

Page 80 — After paragraph 311

Insert: 311.1 **Caution.** — **Depth.** — There is a depth of 9 m
(30 ft) in mid-channel 4.4 miles ESE of Galena Island.

(C2003-035.3)

Page 80 — Before paragraph 313

Insert: 312.1 **Caution.** — **Depth.** — There is a depth of 14.6 m
(48 ft) 6 miles ESE of Galena Island.

(C2003-035.4)

Page 80 — After paragraph 323

Insert: 323.1 **Caution.** — **Rock.** — A rock with a depth of 3.6 m
(12 ft) has been reported (1997) 0.5 mile SW of Triple Islands.

(C2003-035.5)

Page 91 — Paragraph 48, line 3 – after “conspicuous.”

Cancel corrections promulgated in Bi-Weekly Editions No. 18/94 and No. 15/95.

Add: A shoal 0.5 mile WNW of the northern Norberg Island has a
depth of 13.7 m (45 ft); a shoal 5.9 miles NNW of the same
island has a depth of 9.2 m (30 ft).

(C2003-035.6)

Page 92 — After paragraph 54

Insert: 54.1 **Caution.** — **Shoal.** — A shoal with a depth of 4.3 m
(14 ft) lies 1.8 miles SW of Duncan Island.

(C2003-035.7)

Page 203 — INDEX, after “Kugaryuak River..... 74”

Insert: Kugluktuk..... 73

(C2003-036.1)

British Columbia, Volume 1, Sixteenth Edition, 1999 —

Page 97 — After paragraph 5

Insert: 5.1 **National Park.** — The Gulf Islands National Park Reserve is
comprised of sites scattered throughout the southern Gulf Islands. It
includes sites from D’Arcy Island north to Prevost Island, and Portland
Island east to Tumbo Island. The park office is in Sidney.

(P2003-85.1)

Page 290 — Paragraph 87, lines 5 and 6

Delete: fish processing plant

Replace by: net store

(P2003-82.1)

SECTION 4 – Edition 12/2003
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 290 — Paragraph 94, line 2
Delete: A fish processing plant, shipyard are
Replace by: A net store is (P2003-82.2)

Page 290 — Paragraph 95, lines 2 and 3
Delete: a limited supply of marine hardware is available at the shipyard. (P2003-82.3)

Page 290 — Paragraph 96, lines 1 to 3
Delete: “Hull, ... available.” (P2003-82.4)

Page 311 — Paragraph 420, line 3 – after “outlying districts.”
Add: It is also a centre for First Nations culture. (P2003-83.1)

Page 311 — Paragraph 428, line 7 – after “at these floats.”
Insert: A seaplane float is at the north end of these floats. (P2003-83.2)

Page 311 — Delete paragraph 430. (P2003-83.3)

Page 311 — Paragraph 431, line 1
Delete: B.C. Packers
Replace by: the ferry landing (P2003-83.4)

Page 311 — Paragraph 434, line 2 – after “village.”
Add: Conspicuous Totem Poles are close north.” (P2003-83.5)

Page 311 — Paragraph 435, lines 4 and 5
Delete: “A **seaplane landing float**” to end of sentence. (P2003-83.6)

Page 362 — Paragraph 337, line 1 – after “**Obstruction Islet**”
Insert: (local name) (P2003-81.1)

Page 362 — Paragraph 337, line 2 – after “conspicuous.”
Insert: A rock ledge that dries 0.6 m extends 10 m in a westerly direction from the west side of the islet into the channel. (P2003-81.2)

PAC 200 — General Information, Pacific Coast, First Edition, 2002 —

Page 31 — Paragraph 261, lines 11 and 12
Delete: **frequencies 2182 kHz MF and 156.8 MHz VHF**
Replace by: **frequency VHF Channel 16 (156.8 MHz)** (P2003-84.1)

Page 31 — Paragraph 264, lines 1 and 2
Delete: “A transition ... the system and” (P2003-84.2)

Page 31 — Paragraph 264, lines 5 and 6
Delete: and MF 2182 kHz until at least 2003 (P2003-84.3)

Page 31 — Paragraph 270, lines 4 and 5
Delete: “Sidney (250)” to end of paragraph.
Replace by: (250) 363-6492/6880 (P2003-84.4)

SECTION 4 – Edition 12/2003
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

PAC 205 — Inner Passage — Queen Charlotte Sound to Chatam Sound, First Edition, 2002 —

Page 21 — Paragraph 332, line 5 – after “lagoon.”

Add: A landslide (October 2003), in the southeast corner of the lagoon, has produced a conspicuous scar on the hillside and reported shoaling to the charted 30-m depth contour.

(P2003-80.1)

SECTION 5 – Edition 12/2003
LIST OF LIGHTS, BUOYS AND FOG SIGNALS CORRECTIONS

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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PACIFIC

231 G5344.4	Sidney Ferry Wharf range						Delete from list.
232 G5344.5							Chart:3476 Edn 12/03(P03-144)
299.5 G5150	Crescent Beach	Entrance to Nicomekl River. 49 00 43.9 122 56 25.2	Fl R	4s	6.7	5	Mast on 1-pile dolphin, red and white triangular daymark. Year round.
							Chart:3463 Edn 12/03(P03-142)
494.5	Ford Cove Floating Breakwater North	On S. end of breakwater. 49 29 54.1 124 40 41	Fl R	4s	White cylindrical mast, red and white triangular daymark, Year round.
							Chart: 3527 Edn 12/03(P03-138)

**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.) _____ 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, Navigation Systems
Canadian Coast Guard
Department 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.