



Canada

Canada

VOL 24 MONTHLY EDITION NO 8
AUGUST 27, 1999

WESTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

1500 to 1525

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Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

Internet:

<http://www.notmar.com>

ADVISORY

NOTICES TO SHIPPING (WRITTEN AND BROADCAST)

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

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

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

Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.

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

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

For further information contact your local Canadian Coast Guard office.

Newfoundland

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

Maritimes

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

Laurentian

GC\SO\COR
Notices to Shipping
Phone: (418) 648-5410
Fax: (418) 648-7244
E-Mail: OPSAVIS@dfo-mpo.gc.ca

Central & Arctic

Sarnia MCTS Centre
Toll Free in Ontario 1-800-265-0237
Phone: (519) 337-6360
Fax: (519) 337-2498

Pacific

Vancouver Regional Marine Information Centre
Phone: (604) 666-6011
Fax: (604) 666-8453

EXPLANATORY NOTES

Geographical positions refer directly to the graduations of the largest scale Canadian Hydrographic chart unless otherwise indicated.

Bearings refer to the true compass and are measured clockwise from 000° (North) clockwise to 359°; those relating to lights are from seaward.

Visibility of lights is that in clear weather.

Depths - The units used for soundings (metres, fathoms or feet) are stated in the title of each chart.

Elevations are normally given above Higher High Water, Large Tides unless otherwise indicated.

Original Canadian Information - A star (*) adjacent to the Notice number indicates that this notice is based on original Canadian information.

Distances may be calculated as follows:

1 nautical mile	= 1 852 metres (6,076.1 feet)
1 statute mile	= 1 609.3 metres (5,280 feet)
1 metre	= 3.28 feet

Temporary & Preliminary Notices are indicated by a (T) or a (P) after the Notice number. Nautical charts and publications are not hand amended for Temporary (T) and Preliminary (P) Notices to Mariners. Listings of Charts Affected by Temporary and Preliminary Notices to Mariners are revised and promulgated quarterly, in Section I. Reference should be made to the latest published listing and to the monthly editions of Notices to Mariners published subsequently.

Please note that, in addition to the temporary and preliminary changes normally advertised as (T) and (P) Notices, there are a significant number of permanent changes to navigational aids that have been advertised as Preliminary Notices to Mariners while charts are being updated for new editions.

Marine Information Report & Suggestion Sheet - Mariners are requested to notify the responsible authorities when new or suspected dangers to navigation are discovered, changes observed in aids to navigation or corrections to publications are seen to be necessary. Such communications can be made using the *Marine Information Report & Suggestion Sheet* inserted on the last page of each monthly edition of *Notices to Mariners*.

Monthly edition of Notices to Mariners - *Notices to Mariners* are issued free of charge on a monthly basis. Mariners now have a choice between specific *Regional* issue(s) they wish to receive. Requests to be placed on or removed from the mailing list should be made by using the form inserted on page *xiii* of each monthly edition. Notification of changes to the mailing addresses, regional issues and/or number of copies required should also be transmitted by means of this form.

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

NOTE: Cette publication est aussi disponible en français.

DGPS INITIAL OPERATIONAL SERVICE

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

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

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

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

Table of DGPS Reference Stations in Canada					
Station Name	Id. Nos of reference stations	DGPS Station ID	Geog. Position Latitude Longitude	Frequency [khz]	Bit/s
Cape Race, NFLD	338,339	940	46 46 N 53 11 W	315	200
Cape Ray, NFLD	340,341	942	47 38 N 59 14 W	290	200
Cape Norman, NFLD	342,343	944	51 30 N 55 49 W	310	200
Rigolet, NFLD	344,345	946	54 15 N 58 30 W	299	200
Partridge Island, NB	326,327	939	45 14 N 66 03 W	295	200
Pt. Escuminiac, NB	332,333	936	47 04 N 64 48 W	319	200
Fox Island, NS	336,337	934	45 20 N 61 05 W	307	200
Western Head, NS	334,335	935	43 59 N 64 40 W	312	200
St.-Jean-sur-Richelieu, QC	312,313	929	45 19 N 73 19 W	296	200
Lauzon, QC	316,317	927	46 49 N 71 10 W	309	200
Riviere du Loup, QC	318,319	926	47 46 N 69 36 W	300	200
Moisie, QC	320,321	925	50 12 N 66 07 W	313	200
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	300	200

			131 49 W		
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DGPS RECEIVER - WARNING

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

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

DGPS USER ALERT

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

DISCREPANCY REPORT FOR DGPS USERS

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

GPS "ROLLOVER" AUGUST 1999

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

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

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

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

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

User informations / Renseignements sur l'utilisateur

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

Anomaly report / Rapport d'anomalie

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

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

Weather conditions / Conditions météo

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

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

User equipment informations / Renseignements sur l'équipement

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

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

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

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

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

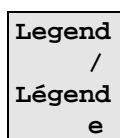
Permanent installation or in evaluation / Installation permanente ou en
évaluation : _____

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

1) Fax / Par télécopieur : 613-998-8428 attention AWAD.

2) Mail / Par la poste: Director Marine Aids
Fisheries and Oceans Canada
200 Kent Street, Station 5130
Ottawa, ON
K1A 0E6.

Canada



Position : Position can be provided by latitude, longitude, bearing and distance, location of a buoy, etc.
La position peut être donnée en latitude, longitude, relèvement et distance, emplacement de bouée, etc.

KTS : Wind speed in knots / Vitesse du vent en noeuds.

N.M. : Visibility in Nautical Miles / Visibilité en milles nautiques.

Freq. kHz : Frequency in kilohertz / Fréquence en kilohertz .

SS : Signal strength in decibel / Force de signal en décibel.

SNR : Signal to noise ratio in decibel / Rapport signal-bruit en décibel .

DOP (dilution of precision) : Measure of the geometrical « strength » of the GPS satellite configuration. The DOP is measured on a scale of 1 to 10 / Mesure de la « force » géométrique de la configuration satellite. Le DOP est mesuré sur une échelle de 1 à 10

SVCEI / ECDIS : Electronic Chart Display and Information System / Système de Visualisation de Cartes Electroniques et d'Information .

IMPORTANT NOTICE TO USERS

The Canadian Coast Guard Marine Aids Modernization Program

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

1. Redundant Aids to Navigation

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

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

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

The conversion of lightstations to solar power allows major economic and environmental benefits by allowing removal of fuel tanks and diesel generators. Although this eliminates the need for many structures, the Coast Guard will protect all heritage lightstations through continued operation or transfer to provincial, municipal or other authorities for local use.

2. Aids to Navigation Standards

In consultation with local users, all aids to navigation systems across Canada are under review. National system design standards will be used to assess these systems. Systems that do not meet these standards will be upgraded; those systems that exceed them will be downsized.

Adjustments in some channels will result in an increase or a decrease in the number of buoys and/or the conversion of some lighted buoys to unlighted buoys displaying reflective material.

3. Private Aids to Navigation

Although Coast Guard policy does not provide for the establishment of aids to navigation in inadequately charted waters, or where the traffic volume does not justify the cost of the system, some have been established in the past. These aids to navigation will be transferred to local authorities at no cost, with Coast Guard retaining design and regulatory authority under the *Private Buoy Regulations*.

NEW INITIATIVES

The Canadian Coast Guard is also introducing a new differential correction service to augment the satellite-based Global Positioning System (GPS), with 18 transmitting stations fully operational in 1998.

This Differential Global Positioning System (DGPS), will improve the accuracy and integrity of GPS and will enable mariners who are equipped with the appropriate receivers to identify their precise position in most major southern Canadian waters, including the Great Lakes and the St. Lawrence River.

The use of DGPS in conjunction with Electronic Chart Display and Information Systems (ECDIS), will greatly improve navigation accuracy. The expanding use of this new technology is expected to increase marine safety and thus provide greater environmental protection to Canadian waters. It is also believed that implementation of DGPS will allow further adjustment to conventional aids in the future.

All mariners and shipowners are encouraged to equip their vessels with GPS receivers which have the capability to receive the Differential signals, particularly where there is frequent risk of reduced visibility.

The Canadian Coast Guard believes that the availability of GPS, particularly when augmented by the Differential service, will make Loran C obsolete. Consultations are underway to assess the impact of discontinuing Loran C in Canada.

CENTRAL & ARCTIC REGION

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

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

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

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

Chief, Information and Publications,
Marine Navigation Services Directorate,
Canadian Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario,
K1A 0E6

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

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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NATIONAL

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3964	1523	1					

***1523 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
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1. New editions.BRITISH COLUMBIA/COLOMBIE-BRITANNIQUE

3964	Tuck Inlet	1:20 000	April 30/99	2	20.0 0
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NOTE: This chart is affected by Notice 669(T)/93.

2. Permanently withdrawn.

Chart	Title	On publication of chart
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P138	BRITISH COLUMBIA, VOLUME 1	
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(AMA8035-10-35)

(DFO-H99-099)

***1524 CANADIAN HYDROGRAPHIC SERVICE - Raster Electronic Navigation Charts.**

Notes:

(1) The following ENC products are only available from:
Nautical Data International Inc.
P.O. Box 127, Station C
St. John's, Newfoundland
A1C 5H5
Telephone: 1-800-563-0634 or 1-709-576-0634
Facsimile: 709-576-0636

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

CHART	TITLE & CONTENTS	DATED	CAT #	PRICE
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1. New charts.British Columbia/Colombie-Britannique

3675R/M	Nootka Sound	Nov. 20/98		See Note (2)
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3676R/M	Esperanza Inlet	Nov. 20/98		See Note (2)
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(AMA8035-10-35)

(DFO-H99-100)

***1521 CANADIAN COAST GUARD PUBLICATIONS - New edition of the Annual Edition 1999.**

The 1999 edition of the Annual Edition of Notices to Mariners has been published.

This publication is available from:

Hydrographic Chart Distribution Office
 Fisheries and Oceans Canada
 1675 Russell Road
 P.O. Box 8080
 Ottawa, Ontario
 Canada
 K1G 3H6

Tel: (613) 998-4931
 Fax: (613) 998-1217
 E-Mail: chs_sales@dfo-mpo.gc.ca

Internet: <http://www.chs-shc.dfo-mpo.gc.ca>
 or
 through your authorized Canadian Hydrographic Service Chart Dealer.

(M2204-390)

(CCG-H99-061)

***1519 CANADA - LORAN-C lattices on Nautical Charts.**

Reference: Notice 342/97 cancelled.

The Canadian Hydrographic Service will no longer be portraying LORAN-C lattices on future printings of Canadian nautical charts. Lattices on existing charts will remain valid.

(AMA8035-10-1)

(DFO-H99-096)

***1518 CANADIAN HYDROGRAPHIC SERVICE - Information about CHS chart dealers.**

1 NEWLY APPOINTED CHART DEALERS	
Lindstrom Marine Ltd. dba The Marine Store Box 591 245 Kenneth Street Duncan, BC V9L 3X9	Windsor Company LLC. dba The Map Centre 2611 University Avenue San Diego, CA USA 92104
SRS Book Boutique & Gifts Inc. #126 – 1959 – 152 nd Street Windsor Square Surrey, BC V4A 9E3	Critter Cove Marine Group PO Box 1118 410 Chamiss Crescent Gold River, BC V0P 1G0
Britmar Marine Ltd. 179 Harbour Avenue North Vancouver, BC V7J 2E7 Tel: (604) 983-4303 Fax: (604) 983-4313	
2 DEALER ADDRESS CHANGE	

OLD ADDRESS	NEW ADDRESS
Budget Marine Sales 7850 – 6 th Street Burnaby, BC V3N 3N3 Tel: (604) 524-1575 Fax: (604) 524-1575 Email: budget@helix.net	Budget Marine Sales 7850 – 6 th Street Burnaby, BC V3N 3N3 Tel: (604) 524-1575 Fax: (604) 524-4091 Email: budget@helix.net
Mosaic Enterprises Ltd. 1420 Saint Paul Street Kelowna, BC V1Y 2E6 Tel: (250) 763-4418, 1-800-663-1225 Fax: (250) 763-5211	Mosaic Enterprises Ltd. 411 Bernard Avenue Kelowna, BC V1Y 6N8 Tel: (250) 463-4418, 1-800-663-1225 Fax: (250) 763-5211
MK Bay Marina, Minette Bay Road PO Box 220 Kitimat, BC V8C 2G7 Tel: (250) 632-6401 Fax: (250) 632-6889 Email: wdevins@sno.net	MK Bay Marina, Minette Bay Road PO Box 220 Kitimat, BC V8C 2G7 Tel: (250) 632-6401 Fax: (250) 632-6889 Email: mkbay@sno.net
Oyster Harbour Marine Services Ltd. Rocky Creek Road, RR #1 Ladysmith, BC V0R 2E0 Tel: (250) 245-8233	Oyster Harbour Marine Services Ltd. Rocky Creek Road, RR #1 Ladysmith, BC V0R 2E0 Tel: (250) 245-8233 Fax: (250) 245-2284
Laminex Systems Ltd. 5364 Kenwill Drive Nanaimo, BC V9T 5Z9 Tel: (250) 754-3261 Fax: (250) 753-6351	Laminex Systems Ltd. 5364 Kenwill Drive Nanaimo, BC V9T 5Z9 Tel: (250) 751-1142 Fax: (250) 751-1142
Nanaimo Marine Centre 1040 Stewart Avenue Nanaimo, BC V9S 4C9 Tel: (250) 751-1142 Fax: (250) 751-1142	Nanaimo Marine Centre 1040 Stewart Avenue Nanaimo, BC V9S 4C9 Tel: (250) 753-1244 Fax: (250) 754-1305
Nanaimo Maps & Charts 8 Church Street Nanaimo, BC V9R 5H4 Tel: (250) 754-2513 Fax: (250) 754-2313	Nanaimo Maps & Charts 8 Church Street Nanaimo, BC V9R 5H4 Tel: (250) 754-2513, 1-800-665-2513 Fax: (250) 754-2313 Email: nanmaps@island.net
Island Cruising 2B – 9851 Seaport Place Sidney, BC V8L 4X3 Tel: (250) 656-7070 Fax: (250) 656-7060 Email: cruising@islandnet.com	Island Cruising #2 – 9835 Seaport Place Sidney, BC V8L 4X3 Tel: (250) 656-7070 Fax: (250) 656-7070 Email: cruising@islandnet.com

Tofino Sea Kayaking Company 320 Main Street, PO Box 620 Tofino, BC V0R 2Z0 Tel: (250) 725-4222 Fax: (250) 725-2070	Tofino Sea Kayaking Company 320 Main Street, PO Box 620 Tofino, BC V0R 2Z0 Tel: (250) 725-4222 Fax: (250) 725-2070 Tel/Fax: 1-800-TOFINO-4
Steveston Marine & Hardware 1815 Pine Street Vancouver, BC V6J 3C8 Tel: (604) 732-6220 Fax: (604) 732-6216	Steveston Marine & Hardware 1603 W 3 rd Street Vancouver, BC V6J 1K1 Tel: (604) 733-7031 Fax: (604) 732-6216 Email: stevemar@smarrt.com
Alberta Environmental Protection Maps & Publication Distribution 14745 – 122 nd Avenue Edmonton, AB T5L 2W4 Tel: (403) 422-1053 Fax: (403) 422-0896 Email: linda.king@gov.ab.ca	Alberta Environmental Protection Maps & Publication Distribution 14745 – 122 nd Avenue Edmonton, AB T5L 2W4 Tel: (780) 422-1053 Fax: (780) 422-0896 Email: linda.king@gov.ab.ca
Map Town, (Top Art Photographic Ltd.) 10815 – 100 th Avenue Edmonton, AB T5J 4X4 Tel: (403) 429-2600 Fax: (403) 426-7573 Email: mapstore@planet.eon.net	Map Town, (Top Art Photographic Ltd.) 10344 – 105 Street Edmonton, AB T5J 1E6 Tel: (780) 429-2600 Fax: (780) 426-7573 Email: mapstore@planet.eon.net
Seward Marine Ventures Inc. 201 – 3 rd Avenue, PO Box 1315 Seward, AK USA 99664 Tel: (907) 224-3102 Fax: (907) 224-8847 Email: andersontugs@attmail.com	Seward Marine Ventures Inc. 201 – 3 rd Avenue, PO Box 1269 Seward, AK USA 99664 Tel: (907) 224-3102 Fax: (907) 224-8847 Email: northlandbks@attmail.com
Doc Freeman's Inc. 999 N. Northlake Way, PO Box 300314 Seattle, WA USA 98103-8883 Tel: (206) 633-1500 Fax: (206) 634-2943	Doc Freeman's Inc 1401 NW Leary Way, PO Box 70729 Seattle, WA USA 98107-1529 Tel: (206) 633-1500 Fax: (206) 634-2943
Cornes & Co. Ltd. 273 Yamashita-Cho Naka-Ku, 231-0023 Yokohama, Japan Tel: 81-45-650-1380 Fax: 81-45-664-6516 Email: yokohama@cornes.co.jp	Cornes & Co. Ltd. 273 Yamashita-Cho Naka-Ku, 231-0023 Yokohama, Japan Tel: 81-45-650-1380 Fax: 81-45-664-6516 Email: chart@ykh.cornes.co.jp
3 THE FOLLOWING ARE NO LONGER AUTHORIZED CHS CHART DEALERS	
Sea Trek Sports Ltd. 9813 Third Street Sidney, BC V8L 3A6 Tel: (250) 656-9888	Sunset Marine Ltd. 7124 Thunder Bay Street Powell River, BC V8A 1E6 Tel: (604) 485-4727 Fax: (604) 485-2703

Uncle Walter's Emporium 524 – 1 st Avenue PO Box 924 Ladysmith, BC V0R 2E0 Tel: (250) 245-7331 Fax: (250) 245-7307	Map Centre Inc. 2611 University Avenue San Diego, CA USA 92104-2894 Tel: (619) 291-3830 Fax: (619) 291-3840 Email: Gayla@mapcentre.com
Edwards Marine Inc. 20460 Langley By-Pass Langley, BC V3A 6K8 Tel: (604) 530-5191 Fax: (604) 530-7181	Metsker Maps of Bellevue 14150 N.E. 20 th Street Bellevue, WA USA 98007 Tel: (425) 746-3200 Fax: (425) 746-3820
(AMA8035-10-35)	(DFO-H99-95)

***1520 CANADIAN HYDROGRAPHIC SERVICE - Cumulative chart correction list.**

The accompanying correction list is a cumulative listing of charts affected by Notices to Mariners from 29-April-99 to 27-August-99.	
Chart No.	Edition and Notices to Mariners Numbers
1220	29(1323/99)
L/C 1221	27(1300/99 New Edition)
1230	22(945/99), 21(925/99)
L/C 1234	23(1104/99)
1310	28(1315/99), 22(953/99 New Edition), 21(931/99)
1312	34(1509/99), 21(933/99), 19(914/99), 18(766/99 New Edition)
1313	34(1509/99)
1315	20(916/99)
1316	22(953/99 New Edition)
1338	35(1516/99)
1410	33(1505/99), 19(910/99)
1411	29(1337/99)
1412	29(1324/99)
1413	33(1504/99)
1433	27(1300/99 New Carte)
1434	33(1504/99)
2042	29(1333/99)
L/C 2064	22(953/99 New Edition)
2067	22(952/99)
L/C 2077	27(1300/99 New Edition)
2085	29(1332/99)
L/C 2100	18(766/99 New Edition)
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2251	23(1111/99)
2268	22(938/99)
L/C 2284	23(1112/99)
2289	23(1113/99)
L/C 2309	22(951/99)

2311	27(1300/99 New Edition)
2314	27(1300/99 New Edition)
L/C 3002	20(917/99)
3440	27(1305/99), 18(766/99 New Edition)
3441	21(932/99)
3443	29(1321/99)
3458	29(1321/99)
L/C 3461	27(1305/99)
L/C 3462	27(1305/99), 21(932/99)
L/C 3463	29(1321/99)
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3491	29(1318/99)
3492	31(1343/99)
3493	30(1340/99), 18(766/99 New Edition)
3494	18(766/99 New Edition)
3495	18(766/99 New Edition)
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3546	23(1107/99, 1103/99)
3548	23(1102/99)
3601	27(1305/99)
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3710	22(947/99)
3711	33(1507/99)
3724	20(917/99)
L/C 3744	20(917/99)
L/C 3802	27(1300/99 Reprint), 19(902/99)
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L/C 3902	20(917/99)
3960	27(1300/99 Reprint)
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L/C 4013	26(1137/99), 22(943/99)
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L/C 4023	25(1118/99)
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4117	27(1306/99)
4201	25(1121/99)
4202	26(1128/99), 25(1121/99)
4209	26(1139/99), 20(915/99)
4210	26(1134/99)

4211	26(1131/99)
L/C 4230	26(1134/99, 1129/99), 25(1123/99), 21(928/99), 20(915/99), 19(907/99)
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L/C 4243	26(1129/99), 25(1123/99), 22(950/99), 21(928/99)
4244	25(1123/99)
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4332	25(1125/99)
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5042	19(901/99)

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5045	29(1319/99)
5046	29(1319/99)
5048	27(1310/99)
5049	26(1127/99)
5051	27(1310/99)
5052	26(1127/99), 21(929/99)
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5135	19(901/99)
5476	22(941/99)
7071	29(1336/99)
7302	29(1336/99)
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7951	29(1330/99)
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L/C 8006	25(1126/99)
L/C 8007	26(1137/99)
L/C 8047	29(1319/99), 26(1127/99), 19(901/99)
L/C 8048	19(901/99)
(AMA8035-10-35)	(DFO-H99-097)

***1507 BRITISH COLUMBIA - VICINITY OF PRINCESS ROYAL ISLAND - ST. JOHN HARBOUR -
Chart amendment patch.**

Chart (Last correction) - 3711(Plan, St. JohnHarbour)(NAD 27)(1)(615/96)

Reference: Notice 694(P)/97 cancelled.

1. Affix patch on Plan St. John Harbour (approx.)

NOTE: Digital data products 3711R/M and 70041(3711) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value AddedRemarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H99-092)

***1525 CANADIAN COAST GUARD PUBLICATION - Amendments to the Radio Aids to Marine Navigation (Pacific) publication 1999.**

Replace page 2-4 by the following:				
Marine Communications and Traffic Services Centre:	PRINCE RUPERT, BRITISH COLUMBIA			
Call Sign:	VAJ			
Communication Sites Located at:				
	Prince Rupert	54 17 51 N 130 25 06 W	Klemtu	52 34 45 N 128 33 45 W
	Sandspit	53 14 00 N 131 48 50 W	Mount Dent	55 12 57 N 129 59 18 W
	Hunter Point	53 15 31 N 132 42 53 W	Mount Gil	53 15 46 N 129 11 42 W
	Barry Inlet	52 34 30 N 131 45 13 W	Mount Hays	54 17 12 N 130 18 49 W
	Rose Inlet	52 13 18 N 131 12 54 W	Naden Harbour	53 57 18 N 132 56 30 W
	Cumshewa	53 09 33 N 131 59 47 W	Van Inlet	53 15 08 N 132 32 31 W
	Dundas Island	54 31 16 N 130 54 55 W	Calvert Island	51 35 21 N 128 00 43 W
	Kitimat	54 03 20 N 128 37 51 W		
<input checked="" type="checkbox"/> - For Radio Services call Prince Rupert Coast Guard Radio.				
<input checked="" type="checkbox"/> - For Vessel Traffic Services call Prince Rupert Traffic.				
Prince Rupert Marine Communications and Traffic Services Centre VHF Direction Finding Advisory Service:				
A VHF/DF advisory service is available for ships in difficulty from receiver sites located at Mount Hays, Dundas Island, Cumshewa, Van Inlet, Naden Harbour, Barry Inlet, Mt. Gil, Klemtu and Calvert Island. Position and/or bearing and distance information may be provided for use at the discretion of the recipient.				
Mailing address:	Department of Fisheries and Oceans Canadian Coast Guard Officer-in-Charge - MCTS Operations Prince Rupert MCTS Centre Bag 4444 Prince Rupert, British Columbia V8J 4K2			

Telephone Numbers:	(250) 627-3081 MCTS Operations (250) 627-3074 MCTS Operations (250) 627-3077 Officer-in-Charge				
<input checked="" type="checkbox"/> Facsimile:	(250) 624-2465 MCTS Operations (250) 627-3068 Officer-in-Charge				
<u>Replace page 2-5 by the following</u>					
<input checked="" type="checkbox"/> MCTS Prince Rupert/VAJ - Ship/shore Communications:					
SITES:	Channel:	VTS Sector:	Frequencies: Transmit:	Receive:	Remarks:
Prince Rupert			2182H3E 2054J3E 4125J3E	2182 2054 4125	
Sandspit			2182H3E 2054J3E	2182 2054	
Hunter Point			2182H3E 2054J3E	2182 2054	
Barry Inlet	Ch11 Ch16 Ch22A Ch26*	1	156.550	156.550	
Cumshewa	Ch11 Ch16 Ch22A Ch84*	1	156.550	156.550	
Dundas Island	Ch16 Ch22A Ch71 Ch84	2	156.575	156.575	
Kitimat	Ch11 Ch16 Ch22A	1	156.550	156.550	
Klemtu	Ch11 Ch16 Ch22A Ch84*	1	156.550	156.550	
Rose Inlet	Ch11 Ch16 Ch22A Ch26*	1	156.550	156.550	
Mount Dent	Ch16 Ch84*				

Mount Gil	Ch11 Ch16 Ch22A Ch26*	1	156.550	156.550	
Mount Hays	Ch11 Ch16 Ch22A Ch71 Ch84*	1	156.550	156.550	
		2	156.575	156.575	
Naden Harbour	Ch11 Ch16 Ch22A Ch71 Ch84*	1	156.550	156.550	
		2	156.575	156.575	
Van Inlet	Ch11 Ch16 Ch22A Ch26*	1	156.550	156.550	
Calvert Island	Ch11 Ch16 Ch22A Ch84*	1	156.550	156.550	

Replace page 2-6 by the following

MCTS Prince Rupert/VAJ - Broadcasts:

Time PST:	Frequency:	Contents:
0030	518F1B	NAVTEX (D) Weather.
0430	518F1B	NAVTEX (D) - Weather

<p>☑0505</p>	<p>2054J3E Prince Rupert Sandspit Hunter Point</p>	<p>RADIOTELEPHONY: Synopsis and weather forecasts for areas 2,3,4,5,13,14,15,16,17</p> <ul style="list-style-type: none"> - Automated Weather Reports: <ol style="list-style-type: none"> 1. Grey Islet 2. Lucy Island 3. Holland Rock 4. Bonilla Island 5. Rose Spit 6. Kindakun Rock 7. Prince Rupert 8. Langara Island 9. Cumshewa Island 10. Cape St. James 11. Cathedral Point 12. Sartine Island 13. Sandspit 14. Herbert Island <p>Ocean Buoy Reports:</p> <ol style="list-style-type: none"> 1. North Nomad 2. Middle Nomad 3. West Dixon Entrance 4. Central Dixon Entrance 5. North Hecate Strait 6. South Hecate Strait 7. West Moresby 8. Nanakwa Shoal 9. West Sea Otter 10. South Moresby 11. East Dellwood <ul style="list-style-type: none"> - Notices to Shipping. - Traffic List.
<p>0830</p>	<p>518F1B</p>	<p>NAVTEX (D) - NOTSHIPS</p>

☑1105	2054J3E Prince Rupert Sandspit Hunter Point	<p>RADIOTELEPHONY: Synopsis and weather forecasts for areas 2,3,4,5,13,14,15,16,17</p> <p>Automated Weather Reports:</p> <ol style="list-style-type: none"> 1. Grey Islet 2. Lucy Island 3. Holland Rock 4. Bonilla Island 5. Rose Spit 6. Kindakun Rock 7. Prince Rupert 8. Langara Island 9. Cumshewa Island 10. Cape St. James 11. Cathedral Point 12. Sartine Island 13. Sandspit 14. Herbert Island <p>Ocean Buoy Reports:</p> <ol style="list-style-type: none"> 1. North Nomad 2. Middle Nomad 3. West Dixon Entrance 4. Central Dixon Entrance 5. North Hecate Strait 6. South Hecate Strait 7. West Moresby 8. Nanakwa Shoal 9. West Sea Otter 10. South Moresby 11. East Dellwood <p>- Notices to Shipping. Traffic List.</p>
1230	518F1B	NAVTEX (D) - Weather
1630	518F1B	NAVTEX (D) - Weather
<u>Replace page 2-7 by the following</u>		
MCTS Prince Rupert/VAJ - Broadcasts:		
Time PST:	Frequency:	Contents:

1705	2054J3E Prince Rupert Sandspit Hunter Point	<p>RADIOTELEPHONY: Synopsis and weather forecasts for areas 2,3,4,5,13,14,15,16,17</p> <ul style="list-style-type: none"> - Automated Weather Reports: <ol style="list-style-type: none"> 1. Grey Islet 2. Lucy Island 3. Holland Rock 4. Bonilla Island 5. Rose Spit 6. Kindakun Rock . 7. Prince Rupert 8. Langara Island 13. 9. Cumshewa Island 10. Cape St. James 11. Cathedral Point 12. Sartine Island 13. Sandspit 14. Herbert Island <p>Ocean Buoy Reports:</p> <ol style="list-style-type: none"> 1. North Nomad 2. Middle Nomad 3. West Dixon Entrance 4. Central Dixon Entrance 5. North Hecate Strait 6. South Decate Strait 7. West Moresby 8. Nanakwa Shoal 9. West Sea Otter 10. South Moresby 11. East Dellwood <ul style="list-style-type: none"> - Notices to Shipping. - Traffic List.
2030	518F1B	<p>NAVTEX (D)</p> <ul style="list-style-type: none"> - NOTSHIPS

2305	2054J3E Prince Rupert Sandspit Hunter Point	<p>RADIOTELEPHONY: - Synopsis and weather forecasts for areas 2,3,4,5,13,14,15,16,17</p> <p>Automated Weather Reports:</p> <ol style="list-style-type: none"> 1. Grey Islet 2. Lucy Island 3. Holland Rock 9. 4. Bonilla Island 10. 5. Rose Spit 11. 6. Kindakun Rock 12. 7. Prince Rupert 8. Langara Island 9. Cumshewa Island 10. Cape St. James 11. Cathedral Point 12. Sartine Island 13. Sandspit 14. Herbert Island <p>Ocean Buoy Reports:</p> <ol style="list-style-type: none"> 1. North Nomad 2. Middle Nomad 3. West Dixon Entrance 4. Central Dixon Entrance 5. North Hecate Strait 6. South Hecate Strait 7. West Moresby 8. Nanakwa Shoal 9. West Sea Otter 10. South Moresby 11. East Dellwood <p>- Notices to Shipping - Traffic List.</p>
<u>Replace page 2-8 by the following</u>		
MCTS Prince Rupert/VAJ - Broadcasts:		
Time PST:	Frequency:	Contents:

Continuous	<p>Ch21B Mount Hays Kitimat Mount Dent Rose Inlet</p> <p>WX1 Klemtu Van Inlet</p> <p>WX2 Barry Inlet Dundas Island Mount Gil Calvert Island</p> <p>WX3 Cumshewa Naden Harbour</p>	<p>RADIOTELEPHONY:</p> <ul style="list-style-type: none"> - Synopsis and weather forecasts for areas 2,3,4,5,13,14,15, 16,17. - Local and Lighthouse Weather Reports: <ol style="list-style-type: none"> 1. Green Island 2. Triple Island 3. Bonilla Island 4. Langara Island 5. Boat Bluff 6. McInnes Island 7. Ivory Island 8. Addenbroke Island 9. Egg Island 10. Pine Island 11. Cape Scott 12. Dryad Point 13. Scarlett Point <p>Automated Weather Reports:</p> <ol style="list-style-type: none"> 1. Grey Islet 2. Lucy Island 3. Holland Rock 4. Bonilla Island 5. Rose Spit 6. Kindakun Rock 7. Prince Rupert 8. Langara Island 9. Cumshewa Island 10. Cape St. James 11. Cathedral Point 12. Sartine Island 13. Sandspit 14. Herbert Island <p>Ocean Buoy Reports:</p> <ol style="list-style-type: none"> 1. North Nomad 2. Middle Nomad 3. West Dixon Entrance 4. Central Dixon Entrance 5. North Hecate Strait 6. South Hecate Strait 7. West Moresby 8. Nanakwa Shoal 9. West Sea Otter 10. South Moresby 11. East Dellwood <ul style="list-style-type: none"> - Notices to Shipping & NOTFISH & Traffic Lists
Continuous broadcast information available by telephone from Prince Rupert (250) 624-9009.		

Add page 5-14.

NORTHERN CANADA

includes: Western and Eastern Arctic, Hudson Bay & Major Inland Lakes of Manitoba & Northwest Territories

Marine Weather Forecast Program

The Arctic Weather Centre, Environment Canada, Edmonton, provides marine forecasts in support of Arctic marine activity during the summer into fall open water season. The forecast area encompasses Great Slave Lake, the Mackenzie River (warning service only) the waterways of the western and high Arctic, Baffin Bay and Davis Strait, Foxe Basin, Hudson Strait and Ungava Bay, and Hudson Bay except for eastern Hudson Bay and James Bay. - Eastern Hudson Bay and James Bay forecasts are done by the Quebec City Weather Office.

The Prairie Storm Prediction Centre, Environment Canada, Winnipeg, provides marine forecasts for Lake Winnipeg (north and south basins), Lake Manitoba, and Lake Winnipegosis during the open water season in support of pleasure and commercial activities. The forecast program for the Manitoba Lakes continues through the winter months as a public rather than a marine forecast.

The Prairie Storm Prediction Centre also provides marine forecasts for Lake Athabasca during the open water season.

Marine Weather Warnings: (refer to Table 1, Marine Warning type and criteria)

Marine forecasts issued by the Arctic Weather Centre or the Prairie Storm Prediction Centre follow the internationally recognized wind criteria of gales (type 1), storm force (type 2) and hurricane force (type 3) winds as per Table 1. Separate warning messages are issued for these criteria both to initiate the warning and to end the warning. Subsequent forecasts carry status statements with respect to the criteria.

Warning types 4, 5, and 8 as per table below will be highlighted in the regular forecast. Warning type 6, 7 and 9 are not carried by the program although thunderstorms, when expected, will always be mentioned in the regular forecast.

Warning Types	Warning Criteria
Small craft wind warning: (1)	Sustained winds between 20 & 33 knots
Local River Wind Warning (2)	Winds 25 to 33 knots
Small Craft thunderstorm Advisory	
Waterspout advisory :	
Freezing Spray	Salt Water air temperatures -4C or less and winds 25 knots or more Fresh Water air temperatures -1C or less and winds 25 knots or more
High Water level	

(1) Applied only to the Manitoba Lakes and to Great Slave Lake.

(2) Applied only to the Mackenzie River.

Weather and Ice Messages

Weather reports in the international meteorological code, made at the standard synoptic hours of 0000, 0600, 1200 and 1800 UTC are solicited from ships of all nationalities which have been recruited by their own national weather service, or other weather services, to make weather reports on a regular basis. These reports should be made and transmitted to the nearest Marine Communications and Traffic Services Centre (1), irrespective of the ship's position. In fact, reports made close to, or even within sight of land, are equally important to reports made offshore, due to the greater variability of weather conditions in proximity to a coastline. Alternately check out the SEAS program with your local Port Meteorological Officer. In the SEAS program, observations are sent via INMARSAT C and the cost of transmission is absorbed by the a consortium of countries interested in timely reports from the seas of the world.

Add page 5-15.

The Prairie Storm Prediction Centre also welcomes weather, sea, and ice observations from the lakes. Real-time observations, and those up to a few hours after the event, are most valuable. Pass observations to 1-800-66STORM (1-800-6678676).

Facsimile package available

Analyses and progs - Surface weather analyses done by the meteorologists of the Arctic Weather Centre from 0000 UTC, 0600 UTC, 1200 UTC and 1800 UTC data are made available by 0145 UTC, 0745 UTC, 1345 UTC, and 1945 UTC respectively. Prog charts are available by 0845 UTC for the prog chart for 1800 UTC, shortly afterward (0900 UTC) for the prog chart for 0000 UTC and by 2030 UTC for the prog chart for 1200 UTC. There is no prog for 0600 UTC.

Buoys (as of September 1998)

WMO #	Location / information	LAT	LONG
45140	Lake Winnipeg South Basin (moored buoy)	50 48 N	96 44 W
45141	Slave (moored buoy - 25nm northeast of Hay River)	61 11 N	115 19 W
45150	Slave (moored buoy - immediate west of Inner Whaleback Rocks)	61 55 N	113 45 W

The Great Slave Lake buoys are deployed early July and retrieved late September or early October. The buoys provide hourly wind and temperatures data including surface water temperature and wave data.

The Lake Winnipeg South Basin buoy is deployed annually May or June and retrieved in October. The buoy provides hourly wind and temperature data including surface water temperature data.

International Arctic Buoy Programme: Arctic Basin:

Environment Canada, (Arctic Weather Centre) actively participates in the International Arctic Buoy Programme whereby an array of buoys is maintained across the ice of Arctic Basin to provide meteorological data for real-time use. Most of the buoys on ice provide sea level pressure information and many additionally provide temperature readings. The web site: <http://iabp.apl.washington.edu>, updated monthly, provides a mapping of the array of buoys on ice.

Weatheradio Canada:

Stations	CALL SIGN	Frequency (MHz)	Power	Location
Inuvik	VBU996	162.400	53.7 Watts ERP	Hidden Lake
Yellowknife	VBC200	162.400	150 Watts ERP	Yellowknife Seismic Station
Winnipeg	XML538	162.550		
Riverton	XLF471	162.400		
Long Point	VCI386	162.550		

Inuvik and Yellowknife have seasonal program from June 01 st to October 15 th . Winnipeg, Riverton and Long Point provide continuous broadcast of marine weather forecasts and warnings for the Manitoba Lakes, and of marine weather observations when available.	
(M2204-145)	(GCC-H99-066)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

British Columbia, Volume 2, Twelfth Edition, 1991 –

Page 70 — Paragraph 139, line 2 – after “Landing.”

Insert: **Note.** — A drying rock is reported (1999) to lie on the west side
of this anchorage.

(P33/99)

Page 86 — Delete paragraph 427.

(P31/99)

Page 146 — Paragraph 387, line 1

Delete: 0.8 mile

Replace by: 1.8 miles

(P32/99)

Page 146 — Paragraph 387, line 2

Delete: “and another” to end of sentence.

(P32/99)

Page 146 — Paragraph 390, line 1

Delete: 4 to

(P32/99)

**CANADIAN COAST GUARD
MARINE INFORMATION REPORT AND SUGGESTION SHEET**

Navigating Officer or Observer _____ Captain: _____

Ship (or address) _____

If Merchant Vessel add Line or Company with Head Office address: _____

General locality: _____

Subject: _____

Approx. position: _____ Lat. _____ Long. _____

Chart No. used to plot: _____ (Corrected to N/N No. _____ of 19 _____)

Publications affected: (Quote Volume and page) _____

* Full details (Attach additional sheets as necessary)

Time (UTC) _____ Date _____

INSTRUCTIONS:

Mariners are requested to notify the responsible authorities when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation, or corrections to publications are seen to be necessary.

** In the case of new or suspected dangers to navigation, it is important that all details be given in order to aid with future investigations. Items of interest include heights, depths, physical description, type of bottom and equipment method used to position the item. It is helpful to mark details on chart, which will be promptly replaced by the Canadian Hydrographic Service.*

Reports should be made to the nearest Marine Communications and Traffic Services Centre and should be confirmed in writing to:

Director, Marine Aids,
Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

In the case of information Canadian
navigational aids or the List
of Lights, Buoys and Fog
Signals.

OR

Dominion Hydrographer,
Canadian Hydrographic Service,
Department of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

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