



WESTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

1300 to 1353

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Mariners are advised that all relevant Written Notices to Shipping should be kept until superseded by Notices to Mariners or through revised charts issued by the Canadian Hydrographic Service.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

Laurentienne

Québec MCTS Centre
Phone: (418) 648-5410
Fax: (418) 648-7244
E-Mail: XLAUSCTM@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 x 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 Stage 1 DGPS Reference Stations					
Station Name	Id Nos of Ref. Stations	DGPS Station ID	Geogr. Pos. Latitude Longitude	Frequency [khz]	Bits/sec.
Alert Bay BC	300,301	909	50 35 N 126 55 W	309	200
Amphitrite Pt BC	302,303	908	48 55 N 125 32 W	315	200
Cardinal ON	308,309	919	44 47 N 75 25 W	306	200
St. Jean Richelieu QUÉ	312,313	929	45 19 N 73 18 W	296	200
Lauzon QUÉ	316,317	927	46 48 N 71 09 W	309	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 47 W	319	200
Fox Island NS	336,337	934	45 19 N 61 04 W	307	200
Cape Race NFLD	338,339	940	46 39 N 53 04 W	315	200
Cape Ray NFLD	340,341	942	47 34 N 59 09 W	290	200

DGPS USER ALERT

Currently, ten Phase 1 DGPS stations are providing Initial Operational Service (IOS) which was declared by Regional Notices to Mariners issued in September 1996. Another eight DGPS stations will be installed in 1997. Extensive validation of operational performance is being conducted throughout 1997. Full Operational Service (FOS) will follow after successful validation.

The Canadian Coast Guard has recently received reports 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.

Apart from this, no major difficulties with DGPS implementation have been experienced to date nor are any expected in the future.

DISCREPANCY REPORT FOR DGPS USERS.

The Canadian Coast Guard is currently implementing the Differential Global Positioning System in Canada. In August 1996, 10 DGPS stations were announced as providing an Initial Operational Service (IOS). Eight (8) additional DGPS stations will be implemented in the fall of 1997.

Following a service validation period, it is expected that the DGPS service will be announced as providing a Full Operational Service (FOS) in December 1997. The fully operational DGPS service is expected to meet the advertised Levels of Service standards and all service guarantees will be provided with FOS.

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.

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.

CENTRAL & ARCTIC REGION

The Canadian Coast Guard is planning to further modernize its marine aids to navigation service. Changes will include adjusting all service levels to national standards between 1997 and the year 2000 and reducing some conventional aids services based on the availability of the Global Positioning System, Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS). The new electronic systems will supplement the remaining conventional aids system, permitting continued maintenance of a safe service at lower cost.

Implementation of the following changes will begin within Coast Guard Central and Arctic region on April 1, 1997.

MEASURES
1) Upgrading DGPS sites at Cardinal and Wiarton to Initial Operating Service to provide, with the United States Coast Guard, to provide complete coverage of the Great Lakes/St. Lawrence Seaway by December 1997.
2) Removal or divestiture of 700 floating and fixed aids to navigation in the Athabasca River System.
3) Removal of approximately 20 floating aids in the Western Arctic in Simpson Strait, Cambridge Bay, Gjoa Haven and Spence Bay.
4) Privatization of 30 buoys in the Napanee River and approximately 120 fixed and floating aids to navigation in Northern Ontario due to uncharted or inadequately charted waters .
5) Removal or divestiture of approximately 30 reference or wharf-lights in conjunction with Small Craft Harbours, or Ports and Harbours Canada initiatives.
6) Conversion of approximately 20 lighted buoys to unlighted buoys in pleasure craft channels.
7) Removal of 50 floating aids to navigation in commercial channels.
8) Divestiture of 1 light house and associated property.
9) Removal or transfer of 14 fog horns on Lake Superior.
10) Removal or downsizing of 31 large lighted floating aids to navigation on the Great Lakes.

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:

Superintendent Marine Aids Program
Central and Arctic Region
201 Front Street North, Suite 703
Sarnia, Ontario, N7T 8B1
Telephone (519)383-1816
Facsimile (519)383-1995

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

Director General,
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) _____

ADD _____ **AMEND** _____ **REMOVE** _____ **NO. OF COPIES** _____

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NOTICES 1305 AND 1350 ARE NOT PUBLISHED

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***1351 CANADIAN HYDROGRAPHIC SERVICE - Charts.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Editions.					
	<u>British Columbia/Colombie-Britannique</u>				
3729	Dean Channel - Southern Portion/Partie Sud and/et Burke Channel	1:75 000	June 5/98	2	\$20.00
3745	Gardner Canal	1:73 050	June 12/98	2	20.00
3894	Selwyn Inlet to Lawn Point	1:73 026	June 12/98	2	20.00
3927	Bonilla Island to/à Edye Passage	1:77 800	May 29/98	2	20.00
2. Reprints.					
	<u>British Columbia/Colombie-Britannique</u>				
3457	Nanaimo Harbour and/et Departure Bay	1:8 000	May 1/98	2	20.00
3544	Johnstone Strait - Race Passage and/et Current Passage	1:25 000	June 5/98	2	20.00
3785	Namu Harbour to Dryad Point	1:40 533	June 12/98	2	20.00
3932	Rivers Inlet	1:40 000	June 12/98	2	20.00
3963	Work Channel	1:40 000	June 12/98	2	20.00

(AMA8035-10-35)

(DFO-H98-065)

***1334 CANADA - Notice to Shipowners and Operators of Canadian Safety Convention Ships.**

Shipowners and operators of Canadian Safety Convention ships are reminded that under SOLAS Chapter IV, and the Canadian Ship Station Radio Regulations section 11, their ships will have to be fully fitted for the GMDSS and have on board suitably trained and certified officers for the GMDSS by February 1, 1999. To ensure compliance, SOLAS radio certificates issued in 1998 to ships not already in compliance with the GMDSS will not be valid after January 31, 1999. For this reason, these certificates are being endorsed to expire on this date.

In addition, owing to an expected heavy demand for GMDSS equipment and training courses, shipowners and operators are advised to take early action in making the necessary arrangements to become GMDSS compliant.

Questions on this notice may be directed to:

Allen Williams
 Marine Safety
 Tower C, Place de Ville
 330 Sparks Street
 Ottawa, K1A 0N8
 Telephone: (613) 991-2061
 Facsimile: (613) 993-8196
 E-mail: williaa@tc.gc.ca

Procedures for arranging a radio inspection, and a list of Canadian Coast Guard ship radio inspection contacts can be found in a correction to the Radio Aids to Marine Navigation published in Notices to Mariners Edn #10/97.

(AMA8035-10-1)

(CCG-H98-035)

***1345**

**SUMMARY OF TEMPORARY AND PRELIMINARY
NOTICES IN EFFECT JUNE 26, 1998**

(Revised and promulgated quarterly)
Reference: Notice 757/98 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
(1) MISCELLANEOUS		
342(P)/97	- - - -	Canada - Loran-C lattices on nautical charts.
633(T)/97	- - - -	Canada - Safety of offshore exploration and exploitation vessels.
(2) CANADIAN ARCTIC AND WEST COAST OF GREENLAND		
847(P)/89	7740, 7083	Northwest Territories - Larsen Sound - Boothia Peninsula - Results of surveys.
634(P)/96	7371	Northwest Territories - Ellesmere Island - Alexandra Fiord - Off Skraeling Island - Result of survey.
658(P)/96	- - - -	Northwest Territories - Hay River - Lights and light buoys to be discontinued.
666(P)/96	- - - -	Western Arctic - Great Slave Lake - Curtis Island - Light to be discontinued.
738(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
751(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
222(P)/97	- - - -	Northwest Territories - Simpson Strait - Spar buoys to be discontinued.
223(P)/97	- - - -	Northwest Territories - McClintock Bay - Spar buoys to be discontinued.
233(P)/97	- - - -	Northwest Territories - Spence Bay - Spar buoys to be discontinued.
328(P)/98	- - - -	Northwest Territories - Fort Chipewyan to Fort McMurray - Changes to the buoyage system - 1998.
(3) BRITISH COLUMBIA INCLUDING VANCOUVER ISLAND, QUEEN CHARLOTTE ISLANDS, FRASER RIVER, U.S. WEST COAST SOUTH TO 48°N., AND PUGET SOUND		
967(T)/85	3441, L/C 3462, 3313	Vancouver Island - Saanich Inlet - Off Coal Point and Squally Reach - Moorings established temporarily.
516(P)/92	- - - -	British Columbia - Strait of Georgia - Lund - Daymark to be discontinued.

575(T)/92	3313, 3441	Vancouver Island - Saanich Inlet - Patricia Bay - Sub-surface acoustic target established.
702(P)/92	3053	British Columbia - Shuswap Lake - Salmon Arm - Range lights established.
784(P)/92	3540, 3312	Vancouver Island - Discovery Passage - Campbell River - Information about fuel barge.
454(T)/93	3490	British Columbia - Fraser River - Sturgeon Bank - Cautionary light buoy established temporarily.
651(T)/93	3419	Juan de Fuca Strait - Esquimalt Harbour - Off Yew Point - ODAS/SADO buoy established temporarily.
669(T)/93	3958, 3964	British Columbia - Prince Rupert Harbour - Current meters established temporarily.
684(T)/93	L/C 3602, L/C 3001, L/C 3000	Off Vancouver Island - Subsurface mooring established temporarily.
279(T)/94	L/C 3000	Off Vancouver Island - Subsurface moorings established temporarily.
301(T)/94	3680, 3623, L/C 3604, L/C 3001, L/C 3000	Off Vancouver Island - Scientific subsurface mooring established temporarily.
303(T)/94	L/C 3604, L/C 3001, L/C 3000	Off Vancouver Island - Scientific subsurface mooring established temporarily.
733(T)/95	LC 3802	British Columbia - Dixon Entrance - Rose Spit - Racon temporarily relocated.
715(P)/96	- - - -	Pacific Ocean - Strait of Juan de Fuca - Fog signal, daybeacon and light to be discontinued.
814(P)/96	3682, 3663, 3662	Vancouver Island, West Coast - Approaches to Esperanza Inlet - Shoal depths.
96(P)/97	3682, 3623	Vancouver Island, West Coast - Kyuquot Sound - Entrance to Fair Harbour - Shoal reported.
327(P)/97	- - - -	British Columbia - Changes to the buoyage system - 1997.
474(P)/97	- - - -	British Columbia - Fraser River - Changes to the buoyage system - 1997.
516(P)/97	3662	Vancouver Island, West Coast - Approaches to Esperanza Inlet - Shoal depth.
693(P)/97	3728	British Columbia - Milbanke Sound - Bardswell Group - Results of survey.
694(P)/97	3711	British Columbia - Milbanke Sound - Bardswell Group - Wurtele Island - Results of survey.
695(P)/97	3787	British Columbia - Milbanke Sound - Bardswell Group - Results of survey.

528(P)/98 3442

British Columbia - Gulf Islands - Samuel Island - Off Ralph Grey Point -
Chart amendment.

(AMA8035-10-1)

(CCG-H98-036)

* 1346

**LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES
IN EFFECT JUNE 26, 1998
(Revised and promulgated quarterly)
(Reference: Notice 756/98 cancelled)**

CHARTS**(T) and (P) NOTICES**

L/C 3000	684(T)/93, 279(T)/94, 301(T)/94, 303(T)/94
L/C 3001	684(T)/93, 301(T)/94, 303(T)/94
3053	702(P)/92
3312	784(P)/92
3313	967(T)/85, 572(T)/92
3419	651(T)/93
3441	967(T)/85, 575(T)/92
3442	528(P)/98
L/C 3462	967(T)/85
3490	454(T)/93
3540	784(P)/92
L/C 3602	684(T)/93
L/C 3604	301(T)/94, 303(T)/94
3623	301(T)/94, 96(P)/97
3662	814(P)/96, 516(P)/97
3663	814(P)/96
3680	301(T)/94
3682	814(P)/96, 96(P)/97
3711	694(P)/97
3728	693(P)/97
3787	695(P)/97
LC 3802	733(T)/95
3958	669(T)/93
3964	669(T)/93
6311	738(P)/96, 751(P)/96
7083	847(P)/89
7371	634(P)/96
7740	847(P)/89

(AMA8035-10-1)

(CCG-H98-037)

***1336 CANADIAN HYDROGRAPHIC SERVICE - Information about CHS chart dealers.**

1 - NEWLY APPOINTED CHART DEALERS

Atelier Guy Malouin Enr.
2965 Bas de la Rivière
Nicolet (Québec)
J3T 1E4
Tel: (819) 293-5916
Fax: (819) 293-6333

KP's Fibreglasing & Marine Supplies
559 Main Street, P.O. Box 172
Burin Bay Arm, Newfoundland
A0E 1G0
Tel: (709) 891-2229
Fax: (709) 891-2229

Boathouse
8245 Taschereau, #18A
Brossard, Québec
J4Y 1A4
Tel: (514) 445-9033
Fax: (514) 445-9211

Heritage Foundation for
Terra Nova National Park
Glovertown, Newfoundland
A0G 2L0
Tel: (709) 533-2884
(709) 533-2801, ext. 145
Fax: (709) 533-2706

Crate Marine Sales Limited
290 The Queensway South
Keswick, Ontario
L4P 2B3
Tel: (905) 476-4552
Fax: (905) 476-6308
Email: sales@crates.com
Web: www.crates.com

Vandervoort Hardware
Vandervoort Holdings Ltd.
77 Princess Street, P.O. Box 160
Kingston, Ontario
K7L 4V8
Tel: (613) 548-7783
Fax: (613) 547-5150

Bellingham Chart Printers
7 Parks Bay Drive, Shaw Island
P.O. Box 1728
Friday Harbor, WA 98250, U.S.A.
Tel: (360)468-3900, (800)643-3900
Fax: (360)468-3939
Web: www.tidesend.com
Email: sales@tidesend.com

Dépanneur Roger Jones Enr.
1066, boul. Dr. Camille Marcoux
C.P. 268
Lourdes-de-Blanc-Sablon, Québec
G0G 1W0
Tel: (418) 461-2010
Fax: (418) 461-2362

Hudson Bay Port Company
P.O. Box 217
Churchill, Manitoba
R0B 0E0
Tel: (204) 675-8823
Fax: (204) 675-2550

Brown's Marina Ltd.
7719 County Road, #42
Elgin, Ontario
K0G 1E0
Tel: (613) 272-5466
Fax: (613) 272-3450

Mains'L Marine
Main Highway, P.O. Box 1169
Manuels, Newfoundland
A1W 1N6
Tel: (709) 781-0228
Fax: (709) 781-1021

Oxford-Basics
495 Dundas Street
Woodstock, Ontario
N4S 1C3
Tel: (519) 539-9725
Fax: (519) 539-0248

2 - DEALER ADDRESS CHANGE

OLD ADDRESS

Armchair Sailor Books & Charts
546 Highway 98 E.
P.O. Box 698
Destin, FL 32540
U.S.A.
Tel: (904) 837-1577
Fax: (904) 837-1579

NEW ADDRESS

The Kayak Experience
600 Highway 98 E.
P.O. Box 698
Destin, FL 32540
U.S.A.
Tel: (850) 837-1577
Fax: (850) 837-1579

City of Belleville
Parks & Recreation Dept.
116 Pinnacle Street
Belleville, Ontario
K8N 3A4
Tel: (613) 966-4632
Fax: (613) 967-2043

City of Belleville
Parks & Recreation Dept.
169 Front Street
Belleville, Ontario
K8N 2Y8
Physical location
84 River Road
Corbyville, Ontario
K0K 1V0
Tel: (613) 966-4632
Fax: (613) 967-3207
Email: parksrec@city.belleville.on.ca
Web: www.city.belleville.on.ca

The Map Store
Old Town Plaza
505 Stillwater Avenue
Old Town, ME 04468
U.S.A.
Tel: (207) 827-4511

The Map Store
R.R. #1, Box 182A
Old Town, ME 04468
U.S.A.
Tel: (207) 827-4511

Hilton Beach Marina, Village of Hilton Beach
1 Marks Street, Box 25
Hilton Beach, Ontario
P0R 1G0
Tel: (705) 246-2291, 246-2242
Fax: (705) 246-2913

Hilton Beach Marina, Village of Hilton Beach
3130 Marks Street, Box 25
Hilton Beach, Ontario
P0R 1G0
Tel: (705) 246-2291, 246-2242
Fax: (705) 246-2913
Email: Hilton_Beach@hotmail.com
Web: www.geocities.com/athens/delphi/1245

Safe Navigation
820 Long Beach Blvd.
Long Beach, CA 90813, U.S.A.
Tel: (562) 590-8744, (800)723-3628
Fax: (562) 491-0073
Email: safenav@internetMCI.com

Safe Navigation
454 Pacific Avenue
Long Beach, CA 90802, U.S.A.
Tel: (562) 590-8744, (800)723-3628
Fax: (562) 491-0073
Email: safenav@internetMCI.com

3 - THE FOLLOWING ARE NO LONGER AUTHORIZED CHS CHART DEALERS

Baker Marine
P.O. Box 99, Rice Lake
Gore's Landing, Ontario
K0K 2E0
Tel: (416) 342-5664

Madawaska Marine Ltd.
210 Riverview Drive
Arnprior, Ontario
K7S 3S6
Tel: (613) 623-2228
Fax: (613) 623-7173

Dawson's Marina Limited
294 The Queensway South
Keswick, Ontario
L4P 2B5
Tel: (905) 476-4321
Fax: (905) 476-5039

Sea's Chandlery & Service
24 Apple Street
Brockville, Ontario
K6V 4X8
Tel: (613) 498-2564
Fax: (613) 498-2487

McGarr Marine
1204 St. Laurent Street West
Longueuil, Québec
J4K 1E4
Tel: (514) 677-8966
Fax: (514) 677-8681

T.S.O. Marine
114 Mississaga Street East
P.O. Box 2112
Orillia, Ontario
L3V 6R9

M.M.O.S. Inc.
1210 Union Avenue
Montréal, Québec
H3B 3C4
Tel: (514) 866-1146
Fax: (514) 876-7852

(AMA8035-10-35)

(DFO-H98-062)

***1352 ERRATUM - Correction to Notice to Mariners 1162/98 - Chart 3651.**

The date for the last New Edition of chart 3651 should read "April 9, 1993".

(AMA8035-10-35)

(DFO-H98-066)

***1310 HUDSON BAY - DAWSON INLET TO MARBLE ISLAND - Rocks.**

Charts (Last correction) - 5397(1-3)(1127/98) - 5398(4)(1121/98)

- | | | |
|------------|---|-----------------------------|
| 1. Add | rock awash | 61°58'12".7 N 92°37'30".3 W |
| 2. Add | rock with drying height of 1 foot | 61 58 32.7 N 92 25 05.6 W |
| 3. Replace | 1 fathom, 2 feet with rock with known depth of 1 fathom | 62 13 58.7 N 91 49 02.1 W |
| 4. Add | rock awash | 61 58 12.7 N 92 37 30.3 W |

(AMA8035-10-35)

(DFO-C98-109)

***1319 UNITED STATES, WEST COAST - ADMIRALTY INLET - OFF POINT WILSON - Buoy.**

Charts (Last correction) - 3313(Sheet 1)(Vancouver Island)(NAD 83)(2) - LC 3461(NAD 27)(1)(1301/98) - 3601(NAD 83)(2)

- | | | |
|------------|------------------|---------------------------------|
| 1. | red light buoy 6 | from 48°09'09" N 122°45'47".5 W |
| Reposition | | to 48 09 11.7 N 122 45 33.3 W |
| 2. | red light buoy | from 48 09 08 N 122 45 54 W |
| Reposition | | to 48 09 11 N 122 45 38 W |

NOTE: Digital data products 3461R/M, 70113(3601) and 70141(3461) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P98-021)

***1302 BRITISH COLUMBIA - FRASER RIVER - GARRY POINT - Light.**

Chart (Last correction) - 3490(Compartment A-B)(NAD 83)(1)(1116/98)

- | | | |
|-----------|----------|------------------------------|
| 1. Delete | light Fl | 49°07'27".7 N 123°11'48".8 W |
|-----------|----------|------------------------------|

NOTE: Digital data products 3490R/M, 70015(3490) and 70128(3490) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P98-015)

***1308 BRITISH COLUMBIA - FRASER RIVER - STEVESTON BEND - Buoy.**

Chart (Last correction) - 3490(Compartment A-B)(NAD 83)(1)(1302/98)

1.	red light buoy S8	from	49°07'41" N 123°14'30" W
Reposition		to	49 07 38 N 123 14 35 W

NOTE: Digital data products 3490R/M, 70015(3490) and 70128(3490) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-5-16)

(CCG-P98-019, DFO-P98-020)

***1301 UNITED STATES, WEST COAST - JUAN DE FUCA STRAIT - OFF PORT ANGELES - Buoy.**

Charts (Last correction) - LC 3461(NAD 27)(1)(620/97) - LC 3606(NAD 27)(1)(522/97)

1. Add	red light buoy "FI R", marked "4"	48°09'48".7 N 123°28'19".2 W
--------	-----------------------------------	------------------------------

NOTE: Digital data products 3461R/M, 3606R/M, 70141(3461) and 70144(3606) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P98-018)

***1313 BRITISH COLUMBIA - BAYNES SOUND - CAPE LAZO - Light - Buoys.**

Charts (Last correction) - 3527(NAD 27)(1-4)(74/96) - LC 3513(NAD 27)(1-4)(697/97)

1. Delete	light	49°42'24".5 N 124°51'41".5 W
2. Delete	east cardinal buoy PK	49 42 45 N 124 50 52 W
3. Add	east cardinal light buoy, "Q(3) 10 s", "BYB", marked "PB"	49 42 42.5 N 124 50 24 W
4. Replace	east cardinal spar buoy PJ with an east cardinal can buoy "BYB" marked "PJ"	49 41 32 N 124 49 38 W

NOTE: Digital data products 3513R/M, 3527R/M, 70016(3513) and 70218(3527) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-16; 5-16)

(CCG-P98-016-018, DFO-P98-019)

IV

Monthly Edition No. 7/98

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Arctic Canada, Volume 3, Fifth Edition, 1994 —

Page 78 - Paragraph 298, line 2 – After ‘advised.’

Insert: **Note.** – Supplements for *Charts 7780 and 7781*, which include data from the 1994 and 1997 surveys, are available from the Canadian Hydrographic Service.

(P23/98)

Page 88 – Paragraph 388, line 3 After ‘required.’

Insert: **Note.** – A supplement for *Chart 7781*, which includes data from the 1994 and 1997 surveys, is available from the Canadian Hydrographic Service.

(P23/98)

Page 105 — Before paragraph 249 -After7731

Add: 7784

(P22/98)

Page 108 – Delete paragraph 64

Replace by: 64 **Shoals.** – A depth of 30 feet (9.1 m) lies 3 miles east of Peffer River. Two shoals (one reported 1981) with 32 feet (9.4 m) over them lie 4.5 miles ESE of James Ross Point. A depth of 35 feet (10.7 m) lies 3 miles SSW of James Ross Point. Depths of 23 and 22 feet (7 and 6.7 m) lie 1.8 miles SE and 5.5 miles SSE, respectively, of James Ross Point.

(P21/98)

Page 111 – Paragraph 114, line 5 – After “islands.”

Insert: A depth of 1 foot (0.3 m) lies 1.25 miles SW and a 19 foot (5.8 m) depth is 1.25 miles NE of the west Hovgaard Island.

(P21/98)

Page 112 – Paragraph 134, line 4

Delete: 6 miles

Replace by: 7 miles

(P21/98)

Page 112 – Paragraph 139, line 5

Delete: 5 miles

Replace by: 7 miles

(P21/98)

Page 123 — Before paragraph 1 - After7830

Add: 7784

(P22/98)

IV

Monthly Edition No. 7/98

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 123 — Paragraph 2, line 1

Delete: Victoria Strait and

(P22/98)

Page 123 — Before paragraph 7

Delete: *Chart 7083*

Replace by: *Chart 7784*

(P22/98)

Page 123 — Delete paragraph 7.

(P22/98)

Page 123 — Paragraph 12, lines 1 to 3

Delete: "The only" to end of paragraph

Replace by: Inside the magenta pecked lines the soundings are
from the 1993/94 survey and are more complete than
the surrounding areas.

(P22/98)

Page 126 — Top of left column

Delete: *Chart 7083*

Replace by: *Chart 7784*

(P22/98)

Page 126 — After paragraph 25

Insert: *Chart 7083*

(P22/98)

Page 126 — Before paragraph 31

Insert: *Chart 7784*

(P22/98)

Page 126 — Before paragraph 39

Insert: *Chart 7083*

(P22/98)

British Columbia, Volume 1, Fifteenth Edition, 1990 —

Page 122 — Delete paragraph 84

Replace by: 84 **Light**. — International Boundary light A (*U.S.*
19969), on the International Boundary, is shown at an
elevation of 7.6 m (25 ft) from a concrete structure.

(P22/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 244 – Paragraph 258, line 6 - After “mud. ”

Insert: A drying rock is close offshore in the NW part of the inner cove.

(P24/98)

British Columbia, Volume 2, Twelfth Edition, 1991 —

Page 213 – After paragraph 500

Insert: 500.1 A mooring buoy is about 0.5 mile north of Island Point.

(P21/98)

Page 231 — Paragraph 281, line 1

Delete: 16 to 17 fathoms (29 to 31 m)

Replace by: 82 to 89 feet (25 to 27 m)

(P20/98)

Page 231 — Paragraph 282, line 9

Delete: 4 feet (1.2 m)

Replace by: 7 feet (2 m)

(P20/98)

Page 231 — Paragraph 282, line 10

Delete: 7 feet (2.1 m)

(P20/98)

Page 231 — Paragraph 285, line 3

Delete: 8 feet (2.4 m)

Replace by: 7 feet (2 m)

(P20/98)

Page 232 — Paragraph 285 line 9

Delete (0.2 m)

Replace by: (0.3 m)

(P20/98)

Page 232 — Paragraph 292, line 2

Delete: 39 feet (11.9 m)

Replace by: 38 feet (11.7 m)

(P20/98)

Page 232 — Paragraph 293, line 6

Delete: (4 m)

Replace by: (3.9 m)

(P20/98)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 232 — Paragraph 293, line 8

Delete: (4.3 m)

Replace by: (4.2 m)

(P20/98)

Page 232 — Paragraph 295, line 2

Delete: 41 feet (12.5 m)

Replace by: 42 feet (12.8 m)

(P20/98)

Page 232 — Paragraph 295, line 4

Delete: (16.5 and 18.3 m)

Replace by: (16.8 and 19.2 m)

(P20/98)

Page 234 — Paragraph 309, line 6

Delete: 15 fathoms (27.4 m)

Replace by: 84 feet (25.7 m)

(P20/98)

Page 234 — Paragraph 312, line 4

Delete: 1,450 feet (439 m)

Replace by: 1,368 feet (417 m)

(P20/98)

Page 234 — Paragraph 314, lines 3 to 5

Delete: "From ... extremity."

Replace by: Two islets lie close-off the west side of the bay.

(P20/98)

Page 234 — Paragraph 322, line 1

Delete: 16 fathoms (29 m)

Replace by: 88 feet (26.8 m)

(P20/98)

Page 234 — Paragraph 327, line 1

Delete: **uncharted**

(P20/98)

Small Craft Guide, British Columbia Volume 2, Eighth Edition 1990

Page 33 – Delete paragraph 53

Replace by: 53 **Light**. – International Boundary light A (*U.S.* 19969), on the International Boundary, is shown at an elevation of 7.6 m (25 ft) from a concrete structure.

(P22/98)

IV

Monthly Edition No. 7/98

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 149 – Paragraph 216, line 5 – After “mud.”

Insert: A drying rock is close offshore in the NW part of the inner cove.

(P24/98)

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
-----	------	--	--------------------------	--	-----------------------	--	---------------------------------

Pacific

189.7	Ediz Hook light buoy 4 (U.S.)	48 09 48.7 123 28 19.2	Fl R 4s	.....	.....	Red, marked "4".	Chart:3461 1301/98
321.5	Light buoy S8	On S. side of channel. 49 07 38 123 14 35	Fl R 4s	.....	.....	Red, marked "S8".	Year round. Chart:3490 1308/98
334	Garry Point						Delete from List. Chart:3490 1302/98
507 G5548	Cape Lazo						Delete from List. Chart:3527 1313/98
507.5	Cape Lazo - East Cardinal light buoy	49 42 42.5 124 50 24	Q(3) W 10s	.....	.....	Black, yellow and black, marked "PB".	Chart:3527 1313/98

**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 General, Marine Navigation Services Directorate,
Canadian Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

In the case of information concerning
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.