



WESTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

516 to 585

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Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

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.

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.

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 *iii* 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.

IMPORTANT NOTICE TO USERS

1997 SUMMARY OF TEMPORARY AND PRELIMINARY NOTICES

CANADIAN COAST GUARD PUBLICATION - Summary of Temporary and Preliminary Notices - 1997.

The yearly Summary of Temporary and Preliminary Notices publication is available on demand at the following address:

Canadian Coast Guard
Marine Navigation Services
344 Slater St., 6th floor
Ottawa, Ontario
K1A 0E6

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

The publication is also available on our Internet Web Site: <http://www.notmar.com>

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, 344 Slater Street, 6th floor, Ottawa, Ontario, 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 : 613-998-2428 attention AWAD.

2) Mail / Par la poste: Director Marine Aids
344 Slater Street, 6 th floor
Ottawa, Ontario
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 USER
CANADIAN COAST GUARD
MARINE AIDS MODERNIZATION PROGRAM

Marine navigational technology is changing. And client needs are changing. As a result, more and more mariners are using technologies such as the Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS).

The Coast Guard is adjusting its aids to navigation to reflect the expanded use and availability of this new technology. To take advantage of these new systems and maintain the same level of safety in navigating their vessels as they have under the current system, mariners will need to equip their vessels with a DGPS receiver and ECDIS equipment.

The new Differential Global Positioning System will be served by 18 stations. The system will enable mariners to identify their precise position in most major southern coastal Canadian waterways, including the Great Lakes and the St. Lawrence River. It is expected that this system will be fully operational by December 1997.

National standards for the provision of aids to navigation will be revised as a result of the new technologies. As a result, many visual and aural aids will become unnecessary and will be reduced, eliminated or transferred to other authorities. Some fog horns and shore lights will be removed or scaled down. Some buoys will be discontinued in commercial shipping channels and coastal waters. Lighted buoys will be converted to unlighted buoys in a few pleasure craft channels.

The Coast Guard will also introduce new cost-saving technologies for its remaining conventional aids including five-year maintenance-free buoys, and downsized and solar powered aids at some lightstations. These changes will result in significant efficiencies. The removal of fuel tanks and diesel generators will also help ensure a cleaner environment.

In recognition of the heritage value that many communities place on lightstations, the Coast Guard is implementing an Alternative Use Program to promote the beneficial re-use of properties that are no longer required for Coast Guard operations and support their transfer to provincial, municipal or other authorities for future use.

Before decisions are finalized, the Coast Guard will consult with user groups on changes in their areas. 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.

Jacques Lorquet
Director, Marine Aids
Marine Navigation Services.

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) _____

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

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Editions.					

British Columbia/Colombie-Britannique

70022	Johnstone Strait - Race Passage and/et Current Passage	-----	May 30/97		See Note (2)
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NOTE: This ENC is derived from CHS Chart 3544.

70027	Port McNeil	-----	May 30/97		See Note (2)
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NOTE: This ENC is derived from CHS Chart 3546.

70064	Hecate Strait	-----	May 9/97		See Note (2)
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NOTE: This ENC is derived from CHS Chart 3902.

(AMA8035-10-35)

(DFO-H97-076)

*** 556 SUMMARY OF TEMPORARY AND PRELIMINARY
NOTICES IN EFFECT SEPTEMBER 26, 1997**
(Revised and promulgated quarterly)

Reference: Notice 418/97 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
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(1) MISCELLANEOUS

659(T)/96	----	Canada - Safety of offshore exploration and exploitation vessels.
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342(P)/97	----	Canada - Loran-C lattices on nautical charts.
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(2) CANADIAN ARCTIC AND WEST COAST OF GREENLAND

847(P)/89	7740,7083	Northwest Territories - Larsen Sound - Boothia Peninsula - Results of surveys.
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634(P)/96	7371	Northwest Territories - Ellesmere Island - Alexandra Fiord - Off Skraeling Island - Result of survey.
658(P)/96 discontinued.	- - - -	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.
(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	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.
619(P)/92	3459, L/C 3512	Vancouver Island - Strait of Georgia - Approaches to Nanoose Harbour - Information about submarine cable area.
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 temporarily.	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(P)/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 depths.	Vancouver Island, West Coast - Approaches to Esperanza Inlet - Shoal
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.

(AMA8035-10-1)

(CCG-H97-046)

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**LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES
IN EFFECT SEPTEMBER 26, 1997
(Revised and promulgated quarterly)**

(Reference: Notice 417/97 cancelled)

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3662	814(P)/96
3663	814(P)/96
3680	301(T)/94
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7371	634(P)/96
7740	847(P)/89

(AMA8035-10-1)

(CCG-H97-047)

***559 CANADIAN HYDROGRAPHIC SERVICE - Current Atlas.**

The Vancouver Harbour Current Atlas has been permanently discontinued.

(AMA8035-10-35)

(DFO-H97-068)

***569 NORTHWEST TERRITORIES - SIMPSON STRAIT - RISTVEDT ISLAND - Radar transponder beacon.**

Charts (Last correction) - 7735(1)(355/97) - 7733(2)(355/97) - 7083(3)(389/96)

- | | | |
|--------|--|-------------------------|
| 1. Add | radar transponder beacon and
legend "Racon" | 68°31'11" N 97°15'10" W |
| 2. | radar transponder beacon and
legend "Racon" | 68 31 11 N 97 14 39 W |
| 3. | radar transponder beacon and
legend "Racon" | 68 31 11 N 97 15 00 W |

(AMA8035-10-8-6)

(CCG-A97-019;DFO-P97-042)

***570 NORTHWEST TERRITORIES - STORIS PASSAGE - WIIK ISLAND - Radar transponder beacon.**

Charts (Last correction) - 7731(1)(355/97) - 7083(2)(569/97)

- | | | |
|--------|--|-------------------------|
| 1. Add | radar transponder beacon and
legend "Racon" | 68°31'22" N 99°33'06" W |
| 2. | radar transponder beacon and
legend "Racon" | 68 31 30 N 99 33 00 W |

(AMA8035-10-8-6)

(CCG-A97-020;DFO-P97-043)

***579 NORTHWEST TERRITORIES - DOLPHIN AND UNION STRAIT - CACHE POINT CHANNEL - DOUGLAS ISLAND - Daymark.**

Charts (Last correction) - 7710(NAD 83)(1)(New Edition, June/97) - 7776(NAD 83)(1)(New Edition, May/97) - 7777(NAD 83)(1)(New Edition, May/97) - 7082(1)(496/96)

- | | | |
|-----------|---|--------------------------|
| 1. Delete | daymark, radar reflector and legend
Bn R | 68°28'18" N 113°28'13" W |
|-----------|---|--------------------------|

(AMA8035-10-8-5)

(CCG-A97-060;DFO-P97-049)

***571 NORTHWEST TERRITORIES - AMUNDSEN GULF - TINNEY POINT - Radar transponder beacon.**

Charts (Last correction) - 7666(1)(558/94) - 7621(NAD 83)(2)(New Chart, May/97) - 7600(1)(206/97)

- | | | |
|-----------|--|--------------------------|
| 1. Delete | radar transponder beacon and
legend Racon | 69°20'53" N 119°49'21" W |
| 2. | radar transponder beacon and
legend Racon | 69 20 54 N 119 49 30 W |

(AMA8035-10-8-6)

(CCG-A97-021;DFO-P97-044)

***573 BRITISH COLUMBIA - JUAN DE FUCA STRAIT - TRIAL ISLANDS - STAINES POINT - Light.**

Charts (Last correction) - 3424(NAD 83)(1)(296/94) - 3440(NAD 27)(2)(522/97) - LC 3461(NAD 27)(2)(522/97) - LC 3462(NAD 27)(2)(356/97) - 3313(Sheet 4)(NAD 83)(1)

- | | | |
|----------|--|---------------------------------------|
| 1. Amend | FW FI G 5s 28m Fog Sig (2) 60s to read "FI G 5s 28m Fog Sig (2) 60s" | 48°23'42".4 N 123°18'18".5 W (approx) |
| 2. Amend | FW FI G 5s 28m 15M Fog Sig (2) 60s to read "FI G 5s 28m 15M Fog Sig (2) 60s" | 48°23'43" N 123°18'14" W (approx) |

NOTE: Digital data products 3424R/M, 3440R/M, 3461R/M, 3462R/M, 70075(3440), 70141(3461), 70150(3462) and 70214(3424) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-16)

(CCG-P97-016;DFO-P97-047)

***522 BRITISH COLUMBIA, SOUTH COAST - SISTERS ISLETS, SAND HEADS, RACE ROCKS - Radiobeacons.**

Charts (Last correction) - 3410(NAD 83)(1)(506/97) - 3440(NAD 27)(3)(506/97) - LC 3461(NAD 27)(3)(510/97) - LC 3463(NAD 27)(4)(440/97) - LC 3512(NAD 27)(5)(440/97) - LC 3513(NAD 27)(5)(74/96) - LC 3606(NAD 27)(3)(506/97) - 3601(NAD 83)(1,2) - LC 3001(NAD 27)(3)(356/97) - 3313(Sheet 1, Vancouver Island)(NAD 83)(1) - 3313(Sheet 2, Vancouver Island / Île de Vancouver)(NAD 83)(2)

- | | | |
|-----------|---|------------------------------|
| 1. Delete | radiobeacon, magenta circle and legend RC | 48°17'52".9 N 123°31'53".2 W |
| 2. | radiobeacon, magenta circle and legend RC | 49 06 21.5 N 123 18 11.3 W |
| 3. | radiobeacon, magenta circle and legend RC | 48 17 53.6 N 123 31 48.5 W |
| 4. | radiobeacon, magenta circle and legend RC | 49 06 22.1 N 123 18 06.5 W |
| 5. | radiobeacon, magenta circle and legend RC | 49 29 11.5 N 124 26 00 W |

NOTE: Digital data products 3001R/M, 3410R/M, 3440R/M, 3461R/M, L/C 3463R/M, 3512R/M, 3513R/M, 3606R/M, 70016(3513), 70075(3440), 70101(3410), 70141(3461), 70142(3512), 70144(3606) and 70145(3463) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-19)

(CCG-P97-011;DFO-P97-040)

***578 NORTHWEST TERRITORIES - AMUNDSEN GULF - WISE BAY - Beacons range.**

Chart (Last correction) - 7686(Inset, Wise Bay)(NAD 27)(1)(389/96) - 7686(NAD 27)(1)(389/96)

- | | | |
|-----------|---------------------------------------|-----------------------------------|
| 1. Delete | leading beacons range and legend 065° | 70°06'15" N 124°40'24" W (approx) |
|-----------|---------------------------------------|-----------------------------------|

(AMA8035-10-1)

(CCG-A97-059;DFO-P97-048)

***516(P) VANCOUVER ISLAND, WEST COAST - APPROACHES TO ESPERANZA INLET - Shoal depth.**

Chart (Which will be affected) - 3662(NAD 27)(1)

Reference: Notice 814(P)/96, paragraph 38.

1. Replace 7 fathoms 3 feet with "1" fathom "4" feet 49°49'31".1 N 127°04'22".3 W

NOTE: Digital data product 3662R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P97-052)

***566 VANCOUVER ISLAND - SHINGLE BAY - Chart amendment patch.**

Chart (Last correction) - 3682(NAD 27)(1)(New Edition June/87)

1. Affix patch 50°04'30" N 127°09'30" W (approx)

NOTE: Digital data product 3682R/M may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H97-071)

***523 BRITISH COLUMBIA - QUEEN CHARLOTTE STRAIT - Calling-in-points.**

Chart (Last correction) - 3550(NAD 83)(1-4)(329/97)

1. Add upbound and downbound calling-in-point "1A" 51°08'30" N 127°52'56" W
2. VTS Zone limit from 51 09 49 N 127 47 12.5 W
to 51 05 39 N 128 05 24 W
3. legend "See note VTS ZONE/Voir note ZONE STM" 51 07 40 N 127 56 33 W
4. note outside south border at 127°36'00" W

VTS ZONES

Limits of the Vancouver or Prince Rupert Vessel Traffic Services zones. Vessels must report on entering or leaving these zones.

ZONES STM

Limites des zones des Services de trafic maritime pour Vancouver ou Prince Rupert. Les navires doivent se rapporter en entrant dans ces zones ou en les quittant.

NOTE: Digital data products 3550R/M and 70036(3550) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P97-041)

***572 BRITISH COLUMBIA - CAAMAÑO SOUND - ESTEVAN GROUP - JACINTO ISLANDS - Light and radar beacon.**

Charts (Last correction) - 3723(Plan, Gillen Harbour)(NAD 27)(2,3)(571/87) - 3724(2-4)(429/96) - LC 3902(NAD 27)(3,4)(Reprint June/97) - LC 3744(NAD 27)(3,4)(329/97) - LC 3002(NAD 27)(3)(521/97) - LC 3000(NAD 27)(1,3)(521/97)

- | | | | |
|---------------|------------------------------------|------|-----------------------------------|
| 1. Add | light "FI" | | 52°56'31" N 129°36'43" W |
| 2. Reposition | light | from | 52 56 29.7 N 129 36 44.1 W |
| | | to | 52 56 31 N 129 36 43 W |
| 3. Add | magenta circle and legend "Racon" | | 52°56'31" N 129°36'43" W (approx) |
| 4. Amend | FI 4s 79ft 5M to read "FI 4s 92ft" | | 52 56 31 N 129 36 43 W (approx) |

NOTE: Digital data products 3000R/M, 3002R/M, 3723R/M, 3724R/M, 3744R/M, 3902R/M, 70064(3902) and 70084(3744) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-16)

(CCG-P97-019;DFO-P97-045)

***581 BRITISH COLUMBIA - CAAMAÑO SOUND - DEWDNEY ISLAND - Chart amendment.**

Chart (Last correction) - LC 3744(NAD 27)(1)(572/97)

- | | | |
|-----------|-------------------------|------------------------------------|
| 1. Delete | light characteristic FI | 52°56'15" N 129°37'10" W (approx.) |
|-----------|-------------------------|------------------------------------|

NOTE: Digital data products 3744R/M and 70084(3744) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P97-054)

***567 BRITISH COLUMBIA - QUEEN CHARLOTTE ISLANDS - SHINGLE BAY - Chart amendment patch.**

Chart (Last correction) - 3890(1)(417/96)(NAD 27)

- | | | |
|----------|-------|-----------------------------------|
| 1. Affix | patch | 53°14'30" N 131°51'30" W (approx) |
|----------|-------|-----------------------------------|

NOTE: Digital data products 3890R/M, 70197(3890), 70198(3890) and 70199(3890) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-H97-072)

***521 BRITISH COLUMBIA - QUEEN CHARLOTTE ISLANDS - DIXON ENTRANCE - LANGARA ISLAND - LANGARA POINT - Radiobeacon.**

Charts (Last correction) - 3868(NAD 27)(1)(624/92) - LC 3802(NAD 27)(1)(758/94) - LC 3002(NAD 27)(1)(329/97) - LC 3000(NAD 27)(1)(329/97)

- | | | |
|-----------|---------------------------|--------------------------|
| 1. Delete | radiobeacon and legend RC | 54°15'23" N 133°03'30" W |
|-----------|---------------------------|--------------------------|

NOTE: Digital data products 3000R/M, 3002R/M, 3802R/M, 3868R/M and 70189(3802) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-19)

(CCG-P97-011C;DFO-P97-039)

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

572 CANADIAN COAST GUARD PUBLICATIONS - Amendments to the Radio Aids to Marine Navigation (Pacific) publication - 1997 - TP145E.*Page:**

66 Add the following radiobeacon station:

Jacinto Island	10/15	360	--.-	Open year round.
52 56 31 N			(Q)	
129 36 43 W				

(M2204-145)

(CCG-P97-019)

571 NORTHWEST TERRITORIES - Amendments to the Radio Aids to Marine Navigation (Pacific) publication - 1997.*Page:**

74	Delete	Tinney Point, N.W.T.
		69 20 53 N
		119 49 21 W

(M2204-145)

(CCG-A97-021;DFO-P97-044)

570 NORTHWEST TERRITORIES - Amendments to the Radio Aids to Marine Navigation (Pacific) publication - 1997.*Page:**74 Add the following
radiobeacon
station:

Wiik Island	10	360	--..	Navigation season only
N.W.T.			(Z)	
68 31 22 N				
99 33 06 W				

(M2204-145)

(CCG-A97-020;DFO-P97-043)

569 NORTHWEST TERRITORIES - Amendments to the Radio Aids to Marine Navigation (Pacific) publication - 1997.*Page:**74 Add the following
radiobeacon
station:

Ristvedt Island	10	360	-.--	Navigation season only
N.W.T.			(Y)	
68 31 11 N				
97 15 10 W				

(M2204-145)

(CCG-A97-019;DFO-P97-042)

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

***554 CANADIAN COAST GUARD PUBLICATIONS - Amendments to the Radio Aids to Marine Navigation (Atlantic and Great Lakes) publication - 1997 - TP146E.**

Replace pages 226 - 228 by the following pages.

INSPECTION OF RADIO APPARATUS

The Canadian Coast Guard, on behalf of Transport Canada, is responsible for the conduct of ship radio inspections pursuant to the Canadian Shipping Act. Queries concerning the standards governing inspections of radio apparatus fitted in ships for safety purposes may be sent to:

Chief, Radio Inspection
Department of Fisheries and Oceans
Canadian Coast Guard
Canada Building
344 Slater Street
Ottawa, Ontario
K1A 0N7
Phone: (613) 998-1520 FAX: (613) 995-4700
E-mail: peter.dalton@amp3.cg.gc.dfo-mpo.x400.gc.ca

Owners and masters of Canadian ships, that are required to be fitted with a radio installation under the provisions of the Canada Shipping Act, are reminded that they are responsible to ensure that the installation is inspected by a Radio Inspector not more than one month before the ship first proceeds to sea and at least every year thereafter, or after a major modification has been made to the radio installations in order that they may be issued with an appropriate Safety or Inspection Certificate.

A non-Canadian ship which does not have a valid Radio Safety Certificate on board may be detained by a port Customs Officer until a valid certificate has been obtained.

A fee for the conduct of ship radio inspections is levied in accordance with the Ship Radio Inspection Fees Regulations. The fee is payable upon completion of the inspection.

Applications for radio inspections of Canadian Ships should be filed with the Canadian Coast Guard. The form entitled: Application for Radio Inspection, Compulsorily Fitted Ships (82-0643) should be used for this purpose. Such request by owners, agents or masters should be received by the CCG at least three days (72 hours) in advance of the date requested for inspection.

The owners, agents or masters of Canadian ships requiring radio inspection while outside of Canada should make application by fax or letter to:

Transport Canada
Director General, Marine Safety
Ottawa, Ontario
Telephone (613) 998-0611 Fax: (613) 954-1032.

Applications for radio inspections of Canadian ships wintering in U.S. Great Lakes ports should be made by the owners, agents or masters on F.C.C. form 809 and filed directly with the FCC Field Engineering office nearest to the port which the inspections are desired. Copies of form 809 are available from any of the FCC offices serving the Great Lakes.

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

Non-Canadian ships (except Liberian ships) may obtain a safety radiotelegraphy or radiotelephony certificate (SOLAS) in Canada. Applications should originate with the owners, ship agents or masters of the ships concerned and be supported by confirmation from the Consul or other official representative of the country in which the ship is registered. Confirmation shall be in writing. It is the responsibility of the owner, agent or master to contact the Consul or official representative and arrange to submit the necessary confirmation to the local CCG inspection office. Where time is limited, a verbal request for an inspection may be accepted from the Consul or official representative (a person who has a document from an Administration giving him the official power to act on their behalf), provided that the confirmation is submitted later.

Ship Radio Inspection Contacts

Canadian Coast Guard ,**Newfoundland and Labrador**
Department of Fisheries and Oceans

Telephone 1 (888) 454-3177

Charlottetown, **Prince Edward Island**, C1A 7M8
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
P.O. Box 1270

Telephone: (902) 566-7976
Fax: (902) 566-8221

St. John, **New Brunswick**, E2L 4X6
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard
P.O. Box 7730, Station "A"

Telephone: (506) 636-4743
Fax: (506) 636-5000

Dartmouth, **Nova Scotia**, B2Y 3Z8
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
P.O. Box 1000

Telephone: (902) 426-7017
Fax: (902) 426-6908

Yarmouth, **Nova Scotia**, B5A 4B1
Senior Technician
Department of Fisheries and Oceans
Canadian Coast Guard Yarmouth Marine Radio Station
P.O. Box 37

Telephone: (902) 742-6858
Fax: (902) 742-0411

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

Sydney, **Nova Scotia**, B1P 6J1
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard
1190 Westmount Road, P.O. Box 863

Telephone: (902) 564-7749
Fax: (902) 564-8608

Canadian Coast Guard, **Quebec**
Department of Fisheries and Oceans

Telephone: (514) 283-5684
Fax: (514) 283-2129

Prescott, **Ontario**, K0E 1T0
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
401 King Street West, P.O. Box 1000

Telephone: (613) 925-2865 ext 246
Fax: (613) 925-5540

Sarnia, **Ontario**, N7T 7W1
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard
105 Christina Street South
P.O. Box 2839

Telephone: (519) 464-5106
Fax: (519) 464-5108

Parry Sound, **Ontario**, P2A 2X4
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard
28 Waubeek Street
P.O. Box 310

Telephone (705) 746-2196 ext 241
Fax (705) 746-4820

Sault Ste Marie, **Ontario**, P6B 5P2
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard
116 Industrial Park Crescent

Telephone: (705) 941-4040
Fax: (705) 941-4041

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

Thunder Bay, **Ontario**, P7B 6R9
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard ships electronic workshop
100 Main Street, Suite 400

Telephone: (807) 345-8084
Fax: (807) 344 5893

Hay River, **North West Territories** X0E 0R9
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
42037 MacKenzie Highway

Telephone: (403) 874 5530
Fax (403) 874-5532

Richmond, **British Columbia** V6X 3B7
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
5560 Garden City Road
Telephone: (604) 666-2311
Fax: (604) 666-1786

Victoria, **British Columbia** V8V 4V9
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
25 Huron street
Telephone: (250) 480-2644
Fax : (250) 480-2666

Prince Rupert, **British Columbia** V8J 4B7
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
Senior Technician
P.O. Box 906
Telephone: (250) 627-3072
Fax: (250) 624-6518

Lazo, **British Columbia** V0R 2K0
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
299 Wireless Road
P.O. Box 220
Telephone: (250) 339-5211
Fax: (250) 339-7922

CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION

Ucluelet, **British Columbia** VOR 3A0
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
P.O. Box 190
Telephone: (250) 726-4335
Fax: (250) 726-7234

North Island, **British Columbia** VOR 2R0
Supervisor of Technical Maintenance
Department of Fisheries and Oceans
Canadian Coast Guard Ships Electronic Workshop
#3 1488 Beach Drive
P.O. Box 1180
Port McNeill
Telephone: (250) 956-3244
Fax: (250) 956-4021

(M2204-145)

(CCG-H97-048)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Arctic Canada, Volume 3, Fifth Edition, 1994 —

Page 70 — Delete paragraph 217.

British Columbia, Volume 1, Fifteenth Edition, 1990 —

Page 131 — Paragraph 301, line 8 – after “Bridge.”

Add: A **breakwater** protects the floats extending SE from the Coast Guard wharf.

Page 131 — After paragraph 307

Insert: 307.1 **Beacon.** — A starboard hand daybeacon is on a float at the entrance to False Creek.

Page 295 — Paragraph 186, line 4 – after “Peninsula”

Insert: and rocks and shoals extend south from Karouk Island.

Page 296 — Paragraph 194, line 4

Delete: “Pass Fair ... hand.”

Replace by: Care must be taken when passing Fair Harbour Approach light because of the shoals extending south of the light and north from the south shore.

British Columbia, Volume 2, Twelfth Edition, 1991 —

Page 166 — Paragraph 119, line 2 – after “group.”

Insert: It is fitted with a RACON (— — • —).

Page 236 — After paragraph 355

Insert: 355.1 **Marina.** — A channel dredged to 3 m (10 ft) (1997) leads to a marina close east of **Haans Creek**
355.2 **Light. — Beacons.** — A private light is on the outer end of the breakwater and daybeacons with a starboard and a port hand daymark mark the entrance to the dredged channel.

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

Page 64 — After paragraph 63

Insert: 63.1 **Beacon.** — A starboard hand daybeacon is on a float at the entrance to False Creek.

Page 64 — Paragraph 66, lines 2 to 4

Delete: “Three piles” to end of paragraph.

Page 64 — Paragraph 67, line 2 – after “Bridge.”

Insert: A **breakwater** protects the floats extending SE from the Coast Guard wharf.

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
<u>Pacific</u>							
189 G5300	Race Rocks	Great Race Rock. 48 17 53.5 123 31 48	FI W 10s	36.0	15	Circular tower, black and white bands. 24.4	Flash 1.05 s; eclipse 9.85 s Emergency light. Year round. Horn - Blast 2s; sil. 3s; blast 2s; sil. 3s; blast 2s; sil. 48s Horn points 155°. Delete radiobeacon. Chart:3410 522/97
189.1	<i>Rosedale Rock light buoy V15</i>	<i>SE. of rock. 48 17 27 123 31 29</i>	Q G 1s	<i>Green, marked "V15".</i>	<i>Year round.</i> Chart:3410 Edn 10/97
212 G5328	Trial Islands	On S. side of southernmost island. 48 23 42.5 123 18 18.5	FI G 5s	28.3	15	White circular tower. 10.2	Flash every 5 s Year round. Horn - Blast 3s; sil. 3s; blast 3s; sil. 51s Horn points 181°. Delete Emergency light. Chart:3424 573/97
271 G5367	Enterprise Reef	On western rock of reef. 48 50 42.5 123 20 48.5	Q R 1s F W R	6.4 3.8	Circular tower, red band at top.	White from 107°30' to 110°; red from 110° to 121°; white from 121° to 123°30'. Radar reflector. Year round. Chart:3473 Edn 10/97
311 G5401	Sand Heads	Near outer end of Steveston Jetty. 49 06 22.1 123 18 06.6	FI R 5s	16.2	19	Fluorescent orange square tower on white rectangular building.	Flash 0.15 s; eclipse 4.85 s High intensity red flash superimposed every 5 s Emergency light. Year round. Delete radiobeacon. Chart:3490 Edn 10/97
493 G5529	Sisters Islets	On easterly and largest rock. 49 29 13 124 26 00	FI(2) W 15s	21.3	21	White circular tower.	Emergency light. Year round. Horn - Blast 2s; sil. 3s; blast 2s; sil. 3s; blast 2s; sil. 48s Horns point NW. and E. Horns sound in unison. Delete radiobeacon. Chart:3513 Edn 10/97
631 G5735.6	Jacinto Islands Racon ---(Q) X & S Band	SE. end of island. 52 56 31 129 36 43	FI W 4s	28.0	White circular tower.	Year round. Chart:3723 572/97

**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.