



WESTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

347 to 381

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Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

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

VERY IMPORTANT NOTICE TO ALL USERS

MONTHLY EDITION OF NOTICES TO MARINERS

Please be advised that the following changes in the production of the monthly edition of Notices to Mariners will be implemented on June 1, 1997. These changes are a result the low usage of some of our subscribers' list as well high operating costs.

The monthly edition will now be divided in two editions.

EASTERN EDITION

This edition will be comprised of the Arctic, Newfoundland, Maritimes, Gulf & River St. Lawrence and Central areas.

WESTERN EDITION

This edition will be comprised of the Arctic and Pacific areas.

NOTE: Subscribers presently receiving the National or Regional editions will now receive either the Eastern or Western Monthly edition.

INTERNET SERVICE

We are presently in the midst of improving our new Internet site in order to offer you better distribution, format, access and search capabilities. Our Internet address is **<http://www.notmar.com>**

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 0N7

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 will 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 following address.

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

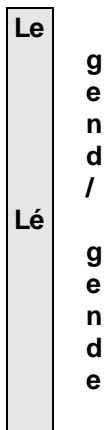
User equipment information / Renseignements sur l'équipement

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 0N7

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 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

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 *ii* 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.

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 0N7

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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7733	355	4,5						
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***378 CANADIAN HYDROGRAPHIC SERVICE Chart.**

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
<hr/> 1. Reprint. <hr/>					
	<u>British Columbia/Colombie-Britannique</u>				
3787	Queens Sound to/à Seaforth Channel	1:36 396	April 4/97	2	20.00
<hr/>					
(AMA8035-10-35)				(DFO-H97-047)	

***379 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 Charts.					
	<u>British Columbia/Colombie-Britannique</u>				
70257	Knight Inlet	-----	April 4/97		See Note (2)
	NOTE: This ENC is derived from CHS Chart 3515.				
70258	Simoom Sound	-----	March 21/97		See Note (2)
	NOTE: This ENC is derived from CHS Chart 3515.				
2. New Editions.					

CHART	TITLE & CONTENTS	SCALE	DATED	CAT #	PRICE
1. New Editions (Cont'd).					

NOTE: This ENC is derived from CHS Chart 3543.

(AMA8035-10-35)

(DFO-H97-048)

***380 CANADIAN HYDROGRAPHIC SERVICE Raster Electronic Navigation Chart.**

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 Edition.					

British Columbia/Colombie-Britannique

3491R/M

Fraser River/Fleuve Fraser - North Arm

1:20 000

Jan. 5/96

See Note (2)

(AMA8035-10-35)

(DFO-H96-069)

*** ERRATUM - BRITISH COLUMBIA - BROUGHTON STRAIT, CORMORANT CHANNEL - JOHNSTON STRAIT - Amendment to Notice 317/97.**

Reference: Notice 317/97.

Paragraph 3, amend upbound and downbound calling-in-point "35" to read upbound and downbound calling-in-point "33"

(AMA8035-10-35)

(DFO-P97-023)(CCG-H97-029)

***364 CANADA, WEST COAST - Decommissioning of HFCW and Tor Service.**

Effective 2000 UTC, June 30, 1997, High Frequency Morse Code, Broadcast, Ship to Shore and Telex-over-Radio (TOR) services will be discontinued from Vancouver Coast Guard Radio (VAL) on the following frequencies:

4235 A1A, 6493 A1A, 8453 A1A, 12876 A1A, 17175.2 A1A, 22638.5 A1A

The 500 KHz monitoring and Ship-to-Shore Single Sideband Duplex services will be continued until further notice.

(AMA8035-10-1)

(CCG-H97-025)

***374 CANADIAN COAST GUARD PUBLICATIONS - New edition of the Annual Edition of Notices to Mariners - 1997.**

The 1997 edition of the Annual Edition of Notices to Mariners has been published (\$22.95).

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

Phone: (613) 998-4931
Fax: (613) 998-1217
E-mail: chs_sales@chshq.dfo.ca

Hydrographic Chart Distribution Office
Fisheries and Oceans Canada
9860 W. Saanich Road
P.O. Box 6000
Sidney, British Columbia
Canada
V8L 4B2

Phone: (250) 656-8358
Fax: (250) 363-6323
E-mail: chart_sales@ios.bc.ca

Internet: <http://www.chshq.dfo.ca>

or through your authorized Canadian Hydrographic Service Chart Dealer.

(M2204-390)

(CCG-H97-034)

***355 NORTHWEST TERRITORIES- SIMPSON STRAIT - Shoal depths.**

Charts (Last correction) - 7735(1-18)(68/97) - 7733(19-34)(709/94) - 7731(NAD 83)(35-37)(365/95)

1. Add	depth "4" fathoms "2" feet with rock bottom "R"	68°31'55" N 97°20'42" W (approx)
2. Delete	6 fathoms 2 feet	close northwest of (1)
3. Add	depth "3" fathoms "2" feet with rock bottom "R"	68 32 56 N 97 26 55 W (approx)
4. Delete	4 fathoms 2 feet	close southeast of (3)
5. Add	depth "3" fathoms "3" feet	68 33 14 N 97 28 59 W (approx)
6. Delete	4 fathoms 2 feet	close northward of (5)
7. Add	depth "1" fathom "4" feet	68 32 51 N 97 33 15 W (approx)
8. Delete	6 fathoms 3 feet	close northward of (7)
9. Add	"4" fathoms "2" feet	68 34 02 N 97 34 04 W (approx)
10.	"4" fathoms "5" feet	68 37 37 N 97 44 41 W (approx)
11.	"2" fathoms "3" feet	68 37 40 N 97 42 37 W (approx)
12. Delete	4 fathoms 1 foot	close northward of (11)
13. Add	"0" fathom "5" feet	68 37 26 N 97 57 57 W (approx)
14.	"0" fathom "5" feet	68 37 28 N 97 50 07 W (approx)
15.	"2" fathoms "1" foot	68 37 45 N 97 58 48 W (approx)
16.	"3" fathoms "2" feet	68 39 54.5 N 97 51 46 W (approx)
17.	"0" fathom "3" feet	68 41 03 N 97 58 09 W (approx)
18. Delete	7 fathoms 4 feet	close westward of (17)
19. Add	"0" fathom "5" feet	68 37 29 N 97 49 34 W (approx)
20. Delete	6 fathoms 5 feet	close northward of (19)
21. Add	"0" fathom "5" feet	68 37 27 N 97 57 21 W (approx)
22. Delete	12 fathoms	close southwest of (21)
23. Add	"2" fathoms "1" foot	68 37 45 N 97 58 14 W (approx)
24. Delete	9 fathoms 5 feet	close southwest of (23)
25.	9 fathoms 3 feet	close northeast of (23)
26. Add	"3" fathoms "2" feet	68 39 54 N 97 51 13 W (approx)
27. Delete	9 fathoms 1 foot	close northeast of (26)

28. Add	"4" fathoms "5" feet	68°37'38" N 97°44'10" W (approx)
29. Delete	8 fathoms 5 feet	close southward of (28)
30. Add	"2" fathoms "3" feet	68 37 41 N 97 42 06 W (approx)
31. Delete	3 fathoms 2 feet	close southward of (30)
32. Add	"1" fathom "4" feet	68 32 51 N 97 32 42 W (approx)
33. Delete	6 fathoms 3 feet	close westward of (32)
34. Add	"4" fathoms "2" feet	68 31 54 N 97 20 09 W (approx)
35.	"2" fathoms "1" foot	68 37 45 N 97 58 50 W (approx)
36. Delete	9 fathoms 3 feet	close northward of (35)
37. Add	"0" fathom "5" feet	68 37 26 N 97 57 58 W (approx)

(AMA8035-10-35)

(DFO-P97-025)

***357 BRITISH COLUMBIA - VANCOUVER HARBOUR, WESTERN PORTION - Light.**

Charts (Last correction) - 3493(NAD 83)(1)(654/95) - 3494(NAD 83)(1)(509/94)

1. Amend	legend 2 Lts FG (Priv) to read "FG (Priv)"	49°18'15".9 N 123°03'38" W
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NOTE: Digital data products 3493R/M, 3494R/M, 70073(3493) and 70123(3494) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P97-027)

***356 BRITISH COLUMBIA - JUAN DE FUCA STRAIT - OGDEN POINT - BROTCHE LEDGE - ALBERT HEAD - SAN JUAN POINT - Lights and fog signals.**

Charts (Last correction) - 3415(NAD 27)(1,2)(205/95) - 3647(PORT SAN JUAN)(NAD 27)(3)(240/90) - 3410(NAD 83)(4)(731/96) - 3440(NAD 27)(1,2,5)(354/95) - LC 3461(NAD 27)(5,6)(201/96) - LC 3462 (NAD 27)(5,6)(646/96) - LC 3606(NAD 27)(1-3,5)(329/97) - 3601(NAD 83)(4) - LC 3001(NAD 27)(7) (329/97) - 3313(Sheet 1, Vancouver Island)(NAD 83)(4) - 3313(Sheet 3)(Inset, Victoria)(NAD 83)(8,9) - 3313(Sheet 4)(NAD 83)(8,9)

Reference: Notice 188(P)/97 cancelled.

1. Delete	legend Fog Sig	48°24'49".4 N 123°23'33".2 W (approx)
2.	legend Fog Sig 20 s	48 24 23.9 N 123 23 12.1 W (approx)
3.	legend Fog Sig 30 s	48 31 53.9 N 124 27 23.8 W (approx)
4.	light	48 23 13.4 N 123 28 41 W
5.	light	48 23 14.1 N 123 28 36.3 W
6. Delete	legend Fog Sig	48°24'23".9 N 123°23'12".1 W (approx)

- | | | |
|----|---------------------|-------------------------------------|
| 7. | legend Fog Sig | 48 31 53.9 N 124 27 23.8 W (approx) |
| 8. | legend Fog Sig | 48 24 48.8 N 123 23 37.9 W (approx) |
| 9. | legend Fog Sig 20 s | 48 24 23.3 N 123 23 16.8 W (approx) |

NOTE: (1) San Juan Point, Ogden Point and Brothie Ledge lights remain in service.

(2) Digital data products 3001R/M, 3410R/M, 3415R/M, 3440R/M, 3461R/M, 3462R/M, 3606R/M, 3647R/M, 70075(3440), 70078(3313), 70101(3410), 70141(3461), 70144(3606), 70150(3462) and 70184(3647) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-7-16)

(CCG-P97-013)

***366 BRITISH COLUMBIA - BROUGHTON STRAIT - CORMORANT ISLAND - ALERT BAY - Radiobeacon.**

Chart (Last correction) - 3546(NAD 83)(1)(716/95)

- | | | |
|-----------|--------------------------------------|------------------------------|
| 1. Delete | radiobeacon and legends RC, R and RT | 50°35'10".5 N 126°55'33".5 W |
|-----------|--------------------------------------|------------------------------|

(AMA8035-10-8-6)

(CCG-P97-015)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Great Slave Lake and Mackenzie River, Seventh Edition, 1989 —

Page 96 — Paragraph 64, line 5

Delete correction promulgated in Monthly Edition No. 5/96.

British Columbia, Volume 1, Fifteenth Edition, 1990 —

Page 75 — Delete paragraph 263.

Small Craft Guide, British Columbia, Volume 1, Seventh Edition, 1989 —

Page 109 — Delete paragraph 245.

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

183.5 G5290	San Juan Point	On point. 48 31 53.9 124 27 23.8	FI	R	5s	16.8	12	White circular tower, red band at top on white rectangular building.	Flash 0.15 s; eclipse 4.85 s Year round. Delete fog signal.	Chart:3647 356/97
194 G5304	Albert Head								Delete from List.	Chart:3410 356/97
204 G5312	Ogden Point breakwater	On outer end of breakwater. 48 24 49 123 23 33	Q	R	1s	12.2	8	White square tower, red band at bottom. 6.7	Year round. Delete fog signal.	Chart:3415 356/97
205 G5310	Brotchie Ledge	Off entrance to harbour. 48 24 23.9 123 23 12.1	FI	G	4s	11.4	.....	White circular tower, green band at top. 5.5	Radar reflector. Year round. Delete fog signal.	Chart:3415 356/97
818	Tachie River	At mouth of river. 54 38 50 124 45 38	FI	W	4s	4.5	.....	4-pile dolphin, circular mast, black, white and green square daymark.	Flash 0.5 s; eclipse 3.5 s Seasonal.	Chart:3080 Edn 6/97
819	<i>Beaver Island</i>	54 28 12.5 124 29 51.5	FI	G	4s	.....	.....	Green.	Seasonal.	Chart:3080 Edn 6/97
821	Jennie Chow Island Reef	S. of island, on reef. 54 32 54 124 34 39	FI	W	4s	5.7	.....	Circular mast.	Flash 0.5 s; eclipse 3.5 s Seasonal.	Chart:3080 Edn 6/97
821.5	Fort St. James	Stuart River entrance. 54 26 00.5 124 16 06	FI	W	4s	4.5	.....	Circular mast on 4-pile dolphin.	Flash 0.5 s; eclipse 3.5 s Seasonal.	Chart:3080 Edn 6/97

**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,
Lights,
Ottawa, Ontario.

In the case of information concerning
navigational aids or the List of
Buoys and Fog Signals.

OR

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

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