

Publication Number 40063779

# NOTICES TO MARINERS PUBLICATION WESTERN EDITION



Published monthly by the

## **CANADIAN COAST GUARD**

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Marine Programs Directorate
Aids to Navigation

Internet: www.notmar.gc.ca



#### **EXPLANATORY NOTES**

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

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

Visibility of lights is that in clear weather.

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

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

**Distances** may be calculated as follows:

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

1 metre = 3.28 feet

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

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

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

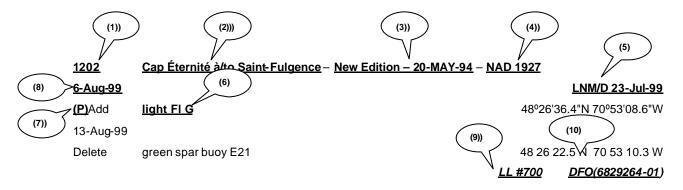
**Monthly edition of Notices to Mariners** - *Notices to Mariners* are issued free of charge on a monthly basis. Mariners now have a choice between specific *Regional* issue(s) they wish to receive. Requests to be placed on or removed from the mailing list should be made by using the form inserted on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

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

NOTE: Cette publication est aussi disponible en français.

#### **CHART CORRECTIONS - SECTION 2**

Corrections to nautical charts will be listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to CHS Chart 1 Symbols, Abbreviations Terms for additional information pertaining to the correction of charts. The illustration below describes the elements that will comprise a typical Section 2 chart correction.



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

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

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

#### **ADVISORY**

## **NOTICES TO SHIPPING (WRITTEN AND BROADCAST)**

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

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

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

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

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

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

For further information contact your local Canadian Coast Guard office.

#### **Newfoundland**

#### St. John's MCTS Centre Phone: (709) 772-2083 Fax: (709) 772-5369

#### **Maritimes**

Maritimes Regional Operations Centre Toll Free in Maritimes 1-800-565-1633

Phone: (902) 426-6030 Fax: (902) 426-6334

www.mar.dfo-mpo.gc.ca/cg/ops

Website E-Mail: ROCWeb@mar.dfo-mpo.gc.ca

#### Quebec

Quebec Regional Operations Centre GC\SO\COR

Operational Information Officer

Phone: (418) 648-5410 Fax: (418) 648-7244

E-Mail: OPSAVIS@dfo-mpo.gc.ca

#### **Central & Arctic**

Sarnia MCTS Centre

Toll Free in Ontario 1-800-265-0237

Phone: (519) 337-6360 Fax: (519) 337-2498

#### **Pacific**

Pacific Regional Marine Information Centre

Phone: (604) 666-6011 Fax: (604) 666-8453

E-mail: RMIC-Pacific@pac.dfo-mpo.gc.ca

Notice to Shipping information

www.pacific.ccg-gcc.gc.ca/mcts-sctm/notship/index\_e.htm

#### **DGPS FULLY OPERATIONAL SERVICE**

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

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

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

Table of DGPS Reference Stations in Canada						
	ld. Nos	DGPS			Frequency	Bit/s
Station Name	of reference	Station	Geog.	Position	[khz]	
	stations	ID	Latitude	Longitude		
Cape Race, NL	338,339	940	46 46 N	53 11 W	315	200
Cape Ray, NL	340,341	942	47 38 N	59 14 W	288	200
Cape Norman, NL	342,343	944	51 30 N	55 49 W	310	200
Rigolet, NL	344,345	946	54 11 N	58 27 W	299	200
Partridge Island, NB	326,327	939	45 14 N	66 03 W	295	200
Pt. Escuminac, NB	332,333	936	47 04 N	64 48 W	319	200
Fox Island, NS	336,337	934	45 20 N	61 05 W	307	200
Western Head, NS	334,335	935	43 59 N	64 40 W	312	200
Hartlen Point, NS	330,331	937	44 36 N	63 27 W	298	200
StJean-sur-Richelieu, QC	312,313	929	45 19 N	73 19 W	296	200
Lauzon, QC	316,317	927	46 49 N	71 10 W	309	200
Rivière-du-Loup, QC	318,319	926	47 46 N	69 36 W	300	200
Moisie, QC	320,321	925	50 12 N	66 07 W	313	200
Wiarton, ON	310,311	918	44 45 N	81 07 W	286	200
Cardinal, ON	308,309	919	44 47 N	75 25 W	306	200
Alert Bay, BC	300,301	909	50 35 N	126 55 W	309	200
Amphitrite Pt., BC	302,303	908	48 55 N	125 33 W	315	200
Richmond, BC	304,305	907	49 11 N	123 07 W	320	200
Sandspit, BC	306,307	906	53 14 N	131 49 W	300	200

#### DGPS RECEIVER - WARNING

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

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

#### **DGPS USER ALERT**

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

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

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

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

User informations / Renseig	nements sur l'usager	
Vessel name / Nom du navire:		Destination:
Vessel position at the beginning Position du navire au début de	g of the anomaly / I'anomalie :	
Vessel position at the end of the Position du navire à la fin de l'a		
Anomaly report / Rapport d'a	anomalie	
Date and time of the anomaly /	Date et heure de l'anomalie:	Duration / Durée:
Number of satellites tracked or	n GPS receiver / Nombre de satellites reçu pa	ar le récepteur:
DGPS site using / Station DGP	S utilisée: Freq.:kHz SS:	dB
DOP Geometry / Géométrie Do	OP :	
User receiver operates correctl Votre équipement DGPS foncti Comments / Commentaires:	y with other DGPS sites? / ionne-t-il normalement à l'utilisation d'autres	stations DGPS?: Yes/ OuiNo / Non_
Point of contact / Personne-res	Phone / Téléphone:	
Weather conditions / Condi		
	Winds / Vents: Direction:	
	Temp. °C:	VIS:N.N
	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:	
remplir:	user equipment to fill / Renseignement	s indispensables sur l'équipement :
User equipment informations	s / Renseignements sur l'équipement	
GPS receiver / Récepteur GPS	S: Make / Fabriquant:	Model:
DGPS beacon receiver / Démo	odulateur DGPS: Make / Fabriquant:	Model:
Gyro interface with GPS / Gyro	intégré avec le GPS? Yes / Oui :	No / Non :
DGPS interfaced with an ECDI	S / DGPS intégré dans un SVCEI? Yes / Ou	i:No / Non :
If yes, please fill below / Si oui,	S.V.P. compléter ci-dessous:	
ECDIS / SVCEI: Make / Fabric	quant:	Model:
Radar image interfaced / Image	e radar intégrée?: Yes / Oui:	No / Non:
Gyro interfaced with ECDIS / G	Gyro intégré avec SVCEI? Yes / Oui:	No / Non:
Permanent installation or in over	aluation / Installation nermanente ou en évalu	lation:

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

1) Fax / Par télécopieur: (613) 998-8428

Attention: Aids to Navigation / Aides à la navigation

2) Mail / Par la poste: Director, Navigation Systems Branch

Department of Fisheries and Oceans 200 Kent Street, Station 5130

Ottawa, ON K1A 0E6

Directeur, Direction des systèmes à la navigation maritimes

Ministère des Pêches et Océans 200, rue Kent, Station 5130

Ottawa, ON K1A 0E6

## **Canadä**

## Legend / Légende

**Position:** Position can be provided by latitude, longitude, bearing and distance, location

of a buov. 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.

 $\label{eq:Frequency} \textbf{Freq. kHz} \; : \quad \text{Frequency in kilohertz / Fréquence en kilohertz.}$ 

**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.

#### MONTHLY EDITION OF NOTICES TO MARINERS

#### **MAILING LIST RENEWAL/CHANGES**

Navigation Ai Navigation Sy Canadian Co	ystems Branch
Telephone Facsimile Internet	(613) 990-3037 (613) 998-8428 www.notmar.gc.ca
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#### SECTION 1 – Edition 12/2004 SAFETY AND GENERAL INFORMATION

# CANADIAN HYDROGRAPHIC SERVICE - ANNOUNCEMENT REGARDING CANADIAN HYDROGRAPHIC SERVICE PRINT ON DEM AND (POD) CHARTS.

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

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

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

Although, CHS is continually improving its printing and distribution processes, clients can expect the quality of POD to remain the same for approximately 2 years. Changes in the pricing of paper, ink and POD technology should result in improved and more affordable delivery of service in the next few years. POD will also allow CHS to explore new business models with Private Industry. Such models may result in the availability of POD products directly from authorized chart dealers rather than from CHS.

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

## CANADIAN HYDROGRAPHIC SERVICE - ANNOUNCEMENT REGARDING CANADIAN HYDROGRAPHIC SERVICE CHART PATCHES.

CHS is introducing a new initiative with a full colour Patch on the Web. A link in the Notices to Mariners web site will be provided so clients can access the colour Patch. The colour Patch will be published in HTML and PDF format. Providing the Patches in colour (accessible to all via remote access to the Web) is an enhanced form of alternative service delivery in line with CHS strategic objectives.

Colour Web Patches are free to the mariner, and given the quality of many printers, should reproduce well. They will be available in real time all around the world which is an improvement since clients had to wait for the paper copy to be mailed.

Previously, in the *Notices to Mariners* (NTM) booklet, Patches were produced in full colour or a minimum of black and magenta.

Due to current budgetary constraints, Patches will now only be produced in black and white for publication in the NTM booklet.

Our level of service will change with this initiative and CHS intends to analyze market reaction to this innovation.

CHS welcomes your feedback on this new service at chsinfo@dfo-mpo.gc.ca

#### CANADIAN HYDROGRAPHC SERVICE - CUMULATIVE CHART CORRECTIONS.

The cumulative Notice to Mariners corrections for charts can now be accessed at http://www.notmar.gc.ca/charts/

#### SECTION 1 – Edition 12/2004 SAFETY AND GENERAL INFORMATION

#### CANADIAN HYDROGRAPHIC SERVICE - CURRENT CHART EDITION DATES.

#### **CHART EDITIONS**

The three terms described below are used to indicate the publication status of Canadian charts.

#### **NEW CHART - "NEWCHT"**

The first publication of a Canadian chart embracing an area not previously charted to the scale shown, or embracing an area different from any existing Canadian chart.

#### **NEW EDITION - "NEWEDT"**

A new issue of an existing chart containing amendments essential to navigation in addition to those issued in Notice to Mariners and making existing editions obsolete.

#### REPRINTS

A new issue of the current edition of a chart incorporating no amendments of navigational significance other than those previously promulgated in Notice to Mariners. It may also contain amendments from other sources provided they are not essential to navigation. Previous printings of the current edition remain in force.

The current chart edition dates can now be accessed at <a href="http://www.chs-shc.dfo-mpo.qc.ca/pub/en/products/core.cfm">http://www.chs-shc.dfo-mpo.qc.ca/pub/en/products/core.cfm</a>

# CANADIAN HYDROGRAPHIC SERVICE - ANNOUNCEMENT REGARDING CHART 5179 PURCHASED PRIOR TO CORRECTION DATE 2004-08-27.

The Canadian Hydrographic Service has recently discovered that chart 5179 (New Edition Oct. 10, 2003), purchased prior to Notice to Mariners correction date 2004-08-27, has a colour problem.

This chart was released with the foreshore areas printed in blue instead of green.

The Canadian Hydrographic Service will replace these charts with a corrected copy. You are asked to present your dealer with the corner of the chart, showing a correction date prior to 2004-08-27, for your free replacement.

We apologize for any inconvenience that this may cause.

#### \*1209 CANADIAN HYDROGRAPHIC SERVICE - RASTER NAVIGATION CHARTS.

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

Nautical Data International Inc. P.O. Box 127, Station C St. John's, Newfoundland

A1C 5H5

Telephone: 1-800-563-0634 or 1-709-576-0634

Facsimile: 709-576-0636

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

CHARTS	MAIN TITLE				
New Charts	All temporary and preliminary notices affecting the previous versions of the following charts are now cancelled. For any outstanding notices please consult section 2 of this edition.				
1556R/M	Lac Temiscamingue/Lake Timiskaming	02-APR-2004	See Note 2		
4821R/M	White Bay and/et Notre Dame Bay	23-APR-2004	See Note 2		
5054R/M	South Aulatsivik Island to/à Fenstone Tickle Island	26-MAR-2004	See Note 2		
New Editions	All temporary and preliminary notices affecting the previous ver cancelled. For any outstanding notices please consult section 2		charts are now		
1223R/M	Chenal Du Bic et les approches/and approaches	23-JUL-2004	See Note 2		
1236R/M	Pointe des Monts aux/to Escoumins	23-JUL-2004	See Note 2		
2022R/M	Healey Falls Locks to Peterborough/Écluses de Healey Falls à Peterborough	09-JAN-2004	See Note 2		
2023R/M	Peterborough to/à Buckhorn including/y compris Stony Lake	08-AUG-2003	See Note 2		
2025R/M	Bobcaygeon to Lake Simcoe/Bobcaygeon au Lake Simcoe	23-APR-2004	See Note 2		
4386R/M	St. Margaret's Bay	16-JUL-2004	See Note 2		
4396R/M	Annapolis Basin	16-JUL-2004	See Note 2		
4456R/M	Baie Piashti à/to Petite Île au Marteau	26-MAR-2004	See Note 2		
4702R/M	Corbett Island to/à Ship Harbour Head	28-MAY-2004	See Note 2		

#### SECTION 1 - Edition 12/2004 **SAFETY AND GENERAL INFORMATION**

CHARTS	MAIN TITLE			
New Charts	All temporary and preliminary notices affecting the previous versions of the following charts are no cancelled. For any outstanding notices please consult section 2 of this edition.			
5023R/M	Cape Harrison to/à Nunaksaluk Island 30-APR-2004 S			
5030R/M	Green Bay to/à Double Island 16-JUL-2004 See			
8013R/M	Flemish Cap/Bonnet Flamand 06-FEB-2004 See No			

#### \*1210 CANADIAN HYDROGRAPHIC SERVICE - ELECTRONIC NAVIGATION CHARTS.

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

Nautical Data International Inc. P.O. Box 127, Station C St. John's, Newfoundland

A1C 5H5

Telephone: 1-800-563-0634 or 1-709-576-0634

Facsimile: 709-576-0636

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

RELEASED PRODUCTS				
S-57 ENC NUMBER	CHART TITLE			
CA576082	Come by Chance and/et Arnold's Cove			
CA570012	Squamish Harbour			

#### \*1204 CANADIAN HYDROGRAPHIC SERVICE - NON EQUIVALENT ELECTRONIC NAVIGATION CHARTS.

The following ENC products are not equivalent to the current editions of their corresponding paper charts and should not be used as a replacement.

NON EQUIVALENT PRODUCTS			
S-57 ENC NUMBER	PAPER CHART NUMBER	CHART TITLE	
CA176030	4001	Gulf of Maine to Strait of Belle Isle au Détroit de Belle Isle	
CA176140	4003	Cape Breton to/à Cape Cod	
CA176290	5001	Labrador Sea/Mer du Labrador	
CA273095	2200	Lake Huron/Lac Huron	
CA276090	4045	Sable Island Bank/Banc de l'Île de Sable to/au St. Pierre Bank/Banc de Saint Pierre	
CA276091	4047	St. Pierre Bank/Banc de Saint-Pierre to/au Whale Bank/Banc de la Baleine	
CA276092	4017	Cape Race to/à Cape Freels	
CA276101	4049	Grand Bank, Northern Portion Grand Banc, Partie Nord to/à Flemish Pass/Passe Flamande	
CA276204	4013	Halifax to/à Sydney	
CA276236	4520	Orange Bay to/à Cape Bonavista	
CA276271	4022	Cabot Strait and approaches /Détroit de Cabot et les approches	
CA276274	4016	Saint-Pierre to/à St. John's	
CA276284	4015	Sydney to/à Saint-Pierre	
CA276286	4023	Northhumberland Strait/Détroit de Northumberland	
CA276367	4255	Georges Bank/Banc de Georges - Eastern Portion/Partie Est	
CA276477	8013	Flemish Cap/Bonnet Flamand	
CA276801	4012	Yarmouth to/à Halifax	
CA373052	2244	Alexander Passage to/à Beaverstone Bay	
CA373067	2304	Oiseau Bay to/à Jackfish Bay	
CA376014	4242	Cape Sable Island to/aux Tusket Islands	
CA376015	4846	Motion Bay to/à Cape St. Francis	
CA376018	4243	Tusket Islands to/à Cape St. Marys	

#### SECTION 1 – Edition 12/2004 SAFETY AND GENERAL INFORMATION

	NON EQUIVALENT PRODUCTS			
S-57 ENC	PAPER CHART	CHART TITLE		
NUMBER CA376045	NUMBER 4240	Liverpool Harbour to/à Lockeport Harbour		
CA376047	4241	Lockeport to/à Cape Sable		
CA376047	4241	Country Harbour to/au Ship Harbour		
		West Point à/to Baie de Tracadie		
CA376062 CA376083	4906 4236			
		Taylors Head to/à Shut-in Island		
CA376093	4367	Flint Island to/à Cape Smoky		
CA376094	4020	Strait of Belle Isle/Détroit de Belle Isle		
CA376106	4844	Cape Pine to/à Renews Harbour		
CA376109	4234	Country Island to/à Barren Island		
CA376120	4847	Conception Bay		
CA376134	4911	Neguac Bay (Continuation A)		
CA376135	4842	Cape Pine to/au Cape St .Mary's		
CA376164	4625	Burin Penninsula to/à Saint-Pierre		
CA376166	4626	Saint-Pierre and/et Miquelon (France)		
CA376167	4363	Cape Smokey to/à St. Paul Island		
CA376187	4486	Baie des Chaleurs/Chaleur Bay		
CA376212	5143	Lake Melville		
CA376219	5135	Approaches to/Approches à Hamilton Inlet		
CA376230	4321	Cape Canso to Liscomb Island		
CA376242	4462	St. George's Bay		
CA376289	4098	Sable Island/Île de Sable		
CA376295	4374	Red Point to/à Guyon Island		
CA376303	4375	Guyon Island to/à Flint Island		
CA376340	4854	Catalina Harbour to/à Inner Gooseberry Islands		
CA376355	5134	Approaches to/Approches à Cartwright		
CA473252	2257	Clapperton Is land to/à John Island		
CA473274	2110	Long Point Bay		
CA476006	4396	Annapolis Basin		
CA476008	4396	Digby		
CA476043	4210	Cape Sable to/à Pubnico Harbour		
CA476048	4244	Wedgeport and Vicinity/et les abords		
CA476089	4236	Ship Harbour and Approaches/et les approches		
CA476105	4210	Pubnico Harbour (Northern Portion/partie nord) (Continuation A)		
CA476125	4912	Miramichi		
CA476126	4912	Miramichi River - Chatham to/à Newcastle (Continuation A)		
CA476133	4911	Entrée à/ Entrance to Miramichi River		
CA476168	4865	Approaches to/Approches à Lewisporte and/et Loon Bay		
CA476179	4466	Hillsborough Bay		
CA476190	4653	Bay of Islands		
CA476202	4211	Cape Lahave to/à Liverpool Bay		
CA476215	4728	Epinette Point to/à Terrington Basin		
CA476221	4308	St. Peters Bay to/à Strait of Canso		
CA476277	4307	Canso Harbour to/au Strait of Canso		
CA476279	4530	Hamilton Sound, Eastern Portion/Partie est		
CA476281	4306	Strait of Canso and/et Southern Approaches/et les approches sud		
CA476285	4306	Canso Lock to St. Georges Bay/Écluse de Canso à St. Georges Bay		
CA476327	4596	Bay of Exploits Sheet/feuille II (Middle/centre)		
J	4597	Bay of Exploits Sheet/feuille III (South/sud)		

#### SECTION 1 – Edition 12/2004 SAFETY AND GENERAL INFORMATION

	NON EQUIVALENT PRODUCTS			
S-57 ENC NUMBER	PAPER CHART NUMBER	CHART TITLE		
CA476900	4839	Harbour Buffet		
CA476901	4839	Head of/Fond de Placentia Bay		
CA476902	4839	Sound Island		
CA476903	4839	Head of/Fond de Placentia Bay		
CA573003	2067	Hamilton Harbour		
CA573149	2226	Parry Sound Harbour		
CA573150	2294	Little Current and Approaches/et les approches		
CA576114	4848	Long Pond		
CA576118	4848	Holyrood (Marina)		
CA576121	4847	Bell Island		
CA576123	4847	Foxtrap		
CA576177	4460	Charlottetown Harbour		
CA576222	4308	Petit-de-Gras Inlet		
CA576225	4587	Mortier Bay		
CA576226	4587	Fishery Products International Wharves/Quais		
CA576268	4920	Quai/Wharf Belledune		
CA576282	4306	Canso Lock		
CA576283	4306	Point Tupper to/à Ship Point		
CA576301	4617	Long Harbour, Erco Wharf/Quai		
CA576342	4524	Botwood Harbour		
CA576343	4524	Botwood Wharves		
CA576386	4846	St. John's Harbour		
CA676408	4849	Irving Oil Wharf/Quai		

L/C3000 - Juan de Fuca Strait to/à Dixon Entrance - New Edition - 20-JAN-1989 - NAD 1927

31-DEC-2004 LNM/D. 14-FEB-2003

Add yellow ODAS/SADO light buoy, FI (4) Y, marked 46089 47°52'53.4"N 125°45'58.7"W

DFO(6201206-01)

3056 - Gladstone Creek to/à Burton (B-C) - Sheet 2 - New Chart - 21-JUN-1991 - NAD 1983

10-DEG-2004 LNM/D. 07-MAR-2003

Add light FI G 49°57'40.0"N 118°00'43.0"W

DFO(6201151-01)

3312 - Discovery Passage and/et Sutil Channel - Sheet 18 - New Chart- 31-JAN-1986 - NAD 1927

31-DEC-2004 LNM/D. 29-OCT-2004

Add Fog Sig 30s 49°59'55.5"N 125°11'39.0"W

DFO(6201200-01)

3312 - Johnstone Strait - Sheet 24 - New Chart - 31-JAN-1986 - NAD 1927

31-DEC-2004 LNM/D, 29-OCT-2004

Add Fog Sig 20s 50°20'01.0"N 125°26'20.5"W

DFO(6201201-01)

3313 - Haro Strait South/Sud - Sheet 22 - New Chart - 28-JUL-1995 - NAD 1983

24-DEG-2004 LNM/D. 12-NOV-2004

Delete FogSig30s 48°30'57.1"N 123°09'09.2"W

DFO(6201189-01)

Delete FogSig15s 48°27'02.3"N 122°57'48.0"W

DFO(6201190-01)

3440 - Race Rocks to/à D'Arcy Island - New Edition - 29-NOV-2002 - NAD 1983

24-DEC-2004 LNM/D. 24-SEP-2004

Delete FogSig30s 48°30'57.1"N 123°09'09.2"W

DFO(6201189-01)

3461 - Juan de Fuca Strait, Eastern Portion/Partie Est - New Edition - 29-NOV-2002 - NAD 1983

10-DEG2004 LNM/D. 24-SEP-2004

Delete FogSig30s 48°25'19.3"N 122°53'39.4"W

DFO(6201152-01)

24-DEC-2004 LNM/D. 10-DEC-2004

Delete FogSig15s 48°27'02.3"N 122°57'48.0"W

DFO(6201190-01)

3462 - Juan de Fuca Strait to/à Strait of Georgia - New Edition - 29-NOV-2002 - NAD 1983

10-DEC-2004 LNM/D. 03-SEP-2004

Delete FogSig30s 48°25′19.3"N 122°53′39.4"W

DFO(6201152-01)

24-DEC-2004 LNM/D. 10-DEC-2004

Delete FogSig30s 48°30'57.1"N 123°09'09.2"W

DFO(6201189-01)

Delete FogSig15s 48°27'02.3"N 122°57'48.0"W

DFO(6201190-01)

3513 - Strait of Georgia, Northern Portion/Partie Nord - New Edition - 29-OCT-1999 - NAD 1983

31-DEG2004 LNM/D. 29-OCT-2004

Add FogSig30s 49°59'54.8"N 125°11'44.2"W

DFO(6201200-01)

3527 - Baynes Sound - New Edition - 06-APR-2001 - NAD 1983

10-DEC 2004 LNM/D. 22-OCT-2004

Add light FI G 49°30'27.3"N 124°49'37.8"W

DFO(6201168-01)

3538 - Desolation Sound and/et Sutil Channel - New Edition - 27-NOV-1992

31-DEC-2004 LNM/D. 29-OCT-2004

Add Fog Sig 30s 49°59'54.8"N 125°11'44.2"W

DFO(6201200-01)

3539 - Discovery Passage - New Edition - 04-AUG-1989 - NAD 1983

31-DEC-2004 LNM/D, 29-OCT-2004

Add Fog Sig 30s 49°59'54.8"N 125°11'44.2"W

DFO(6201200-01)

Add Fog Sig 20s 50°20′00.3"N 125°26′25.7"W

DFO(6201201-01)

3543 - Cordero Channel - New Edition - 27-NOV-1992 - NAD 1983

31-DEC-2004 LNM/D. 29-OCT-2004

Add Fog Sig 20s 50°20'00.3"N 125°26'25.7"W

DFO(6201201-01)

3546 - Broughton Strait - New Chart - 28-APR-1989 - NAD 1983

31-DEC-2004 LNM/D. 29-OCT-2004

Add Fog Sig (3) 60s 50°37'49.9"N 127°09'17.6"W

DFO(6201202-01)

3548 - Queen Charlotte Strait, Central Portion/Partie Centrale - New Edition - 26-SEP-1997 - NAD 1983

03-DEC-2004 LNM/D. 29-OCT-2004

Add light Q G 50°43'01.2"N 127°28'52.0"W

DFO(6201150-01)

31-DEC-2004 LNM/D. 03-DEC-2004

Add FogSig(3)60s 50°37'49.9"N 127°09'17.6"W

DFO(6201202-01)

3548 - Port Hardy - New Edition - 26-SEP-1997 - NAD 1983

03-DEC 2004 LNM/D. 29-OCT-2004

Add light Q G 50°43'01.2"N 127°28'52.0"W

DFO(6201150-01)

3646 - Bami	field Inlet - New Edition - 30-JUN-1995 - NAD 1983	
24-DEC-200	4	LNM/D. 20-SEP-2002
Delete	orange and white mooring can buoy	48°49'32.9"N 125°08'22.6"W
	Ç ,	DFO(6201192-01)
Delete	orange and white mooring can buoy	48°49'32.3"N 125°08'20.7"W
		DFO(6201192-02)
Delete	orange and white mooring can buoy	48°49'31.1"N 125°08'23.1"W
20.0.0	orange and mine meeting can such	DFO(6201192-03)
Delete	orange and white mooring can buoy	48°49'30.9"N 125°08'20.9"W
Delete	orange and write mooning can buoy	DFO(6201192-04)
3646 - Uclue	elet Inlet - New Edition - 30-JUN-1995 - NAD 1983	
24-DEC-200	4	LNM/D. 20-SEP-2002
Delete	orange and white mooring can buoy	48°56'38.8"N 125°32'30.9"W
		DFO(6201191-01)
Delete	orange and white mooring can buoy	48°56'40.4"N 125°32'31.8"W
		DFO(6201191-02)
Delete	orange and white mooring can buoy	48°56'53.7"N 125°33'05.7"W
	Ç .	DFO(6201191-03)
24-DEC-200 Delete Delete	orange and white mooring can buoy	DFO(6201191-01)  48°56'40.4"N 125°32'31.8"W  DFO(6201191-02)  48°56'53.7"N 125°33'05.7"W

Delete	orange and white mooring can buoy	48°56'55.8"N 125°33'09.9"W
		DFO(6201191-05)

48°56'54.8"N 125°33'08.1"W

DFO(6201191-04)

3674 - Hot Springs Cove- New Chart -01-DEC-1995 - NAD 1983									
24-DEG-2004	1	LNM/D. 02-MAY-2003							
Delete	orange and white mooring can buoy	49°21'47.0"N 126°15'59.5"W							
		DFO(6201193-01)							
Delete	orange and white mooring can buoy	49°21'48.7"N 126°15'59.1"W							
		DFO(6201193-02)							
Delete	orange and white mooring can buoy	49°21'50.3"N 126°15'58.8"W							
		DFO(6201193-03)							
Delete	orange and white mooring can buoy	49°21'51.7"N 126°15'58.7"W							
		DFO(6201193-04)							
Delete	orange and white mooring can buoy	49°21'53.0"N 126°15'58.5"W							
		DFO(6201193-05)							

#### 3807 - Atli Inlet to/à Selwyn Inlet - New Edition - 05-FEB-1999 - NAD 1983

orange and white mooring can buoy

Delete

 17-DEG-2004
 LNM/D. 12-NOV-2004

 Delete
 mooring can buoy and legend 5 buoys/bouées
 52°50′25.3"N 131°44′22.7"W

 DFO(6201188·01)

#### 3811 - Thurston Harbour - New Edition - 06-DEC-1963 - Unknown

17-DEC-2004 Delete	orange and white mooring can buoy	LNM/D. 14-FEB-2003 52°50'29.3"N 131°44'50.8"W DFO(6201188-07)
Delete	orange and white mooring can buoy	52°50'28.6"N 131°44'46.9"W DFO(6201188-08)
Delete	orange and white mooring can buoy	52°50'30.2"N 131°44'31.6"W DFO(6201188-09)
Delete	orange and white mooring can buoy	52°50'26.1"N 131°44'30.1"W DFO(6201188·10)
Delete	orange and white mooring can buoy	52°50'28.8"N 131°44'23.2"W DFO(6201188·11)
3860 - Kano	Inlet - New Edition - 12-SEP-1969 - Unknown	
31-DEC-2004 Replace	recommended anchorage without defined limits with foul ground and legend Rep(2004)	LNM/D. 21-NOV-2003 53°17'34.1"N 132°38'06.0"W
	1.05(2004)	DFO(6201205-01)
3894 - Selwy	rn Inlet to/à Lawn Point - New Edition - 12-JUN-1998 - NAD 1983	
17-DEC-2004 Delete	mooring can buoy and legend 5 bouys/bouées	LNM/D. 09-JUL-2004 52°50'26.2"N 131°44'27.9"W DFO(6201188-01)
Delete	orange and white mooring can buoy and legend 2 buoys/bouées	52°58'17.0"N 131°54'47.6"W DFO(6201188-02)
Delete	orange and white mooring can buoy and legend 4 buoys/bouées	53°00'03.0"N 131°55'35.5"W DFO(6201188-03)
Delete	orange and white mooring can buoy and legend 4 buoys/bouées	53°01'19.1"N 131°54'13.0"W DFO(6201188-04)
Delete	orange and white mooring can buoy and legend 6 buoys/bouées	53°02'28.8"N 131°59'05.7"W DFO(6201188-05)
Delete	orange and white mooring can buoy and legend 7 buoys/bouées	53°02'35.6"N 132°01'29.9"W DFO(6201188-06)

## SECTION 4 – Edition 12/2004 SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 151 — Delete paragraph 253.	(C2004-051.1)
British Columbia, Volume 1, Seventeenth Edition, 2004 —	
Page 36 — Paragraph 44, lines 2 and 3 Delete: "The fog 15 seconds."	(P2004 22 1)
Page 36 — Paragraph 49, lines 3 and 4 Delete: "The fog 30 seconds."	(P2004-33.1)
Page 187 — After paragraph 269 Insert: 269.1 Fanny Bay Breakwater light (498.5) is on a new (2004) floating	(P2004-34.1)
breakwater protecting the public wharf.	(P2004-28.1)
Page 218 — Paragraph 33, line 2 (Re: Correction promulgated in Monthly Edition No. 10/2004) After "12.2 m high."	
Insert: The fog signal consists of one blast every 30 seconds.  Page 227 — Paragraph 166, line 3 (Re: Correction promulgated in Monthly Edition No. 10/2004)	(P2004-35.1)
After "at the top."  Insert: The fog signal consists of one blast every 20 seconds.	
Page 242 — Paragraph 373, line 2 (Re: Correction promulgated in Monthly Edition No. 10/2004) After "a white tower."	(P2004-35.2)
Insert: The fog signal consists of three blasts every minute.	(P2004-35.3)
Page 302 — Delete paragraph 210.	(P2004-31.1)
Page 308 — Paragraph 332, lines 3 and 4 Delete: "Public harbour."	(P2004-32.1)
Page 342 — Delete paragr aph 772.	(P2004-30.1)
PAC 206 — Hecate Strait, Dixon Entrance, Portland Inlet and Adjacent Waters and Queen Charlotte Islands, First Edition, 2002 —	
Page 98 — Paragraph 274, lines 6 and 7 Delete: "Public harbour."	
Page 99 — Delete paragraph 303.	(P2004-29.1)
Page 102 — Delete paragraph 331.	(P2004-29.2) (P2004-29.3)
Page 102 — Paragraph 336, lines 7 to 9 Delete: "Public <b>mooring buoys</b> " to end of paragraph.	(F 200 <del>4-</del> 29.3)
Page 102 — Paragraph 341, line 3	(P2004-29.4)
Delete: "Public cove."	(D2004.20.5)

(P2004-29.5)

#### SECTION 4 - Edition 12/2004 SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Page 127 — Paragraph 230, line 4 – after "Point."
Insert: Sunken mooring buoys and chains have been reported

(October 2004), in vicinity of the anchorage at the head of

Carew Bay.

(P2004-36.1)

Page 127 — Paragraph 232, lines 1 and 2 Delete: "Deep water **anchorage**" to end of sentence.

(P2004-36.2)

No.	Name	Position  Latitude N. Longitude W.		Light acteristics	Focal Height in m. above water	Nomi- nal Range	Description Height in meters above ground	Remarks  Fog Signals
<b>PACIFI</b> 62.5	<b>C</b> Rattlesnake Island	49 44 55 119 43 03.2	Q	W 1:	····.	2	Mast. 1.5	Year round.
								Chart: 3052 Edn 12/04(P04-079)
90 G5204	Nuchatlitz	On NW. extremity of unnamed island. 49 49 11.2 126 58 54.1	FI	W 4:	s 11.2	5	White cylindrical tower. 4.5	Radar reflector. Year round. Chart:3676
95	Zeballos Inlet	On point on W.	FI	G 4:	s 7.3	5	White cylindrical tower,	Edn 12/04(P04-075) Radar reflector.
G5207.6	South	shore. 49 54 25.3 126 48 03.1					green band at top. 4.5	Year round.  Chart:3676 Edn 12/04(P04-074)
97.8 G5209.5	McBride Bay	49 51 39.4 126 43 47.3	Q	R 1:	5.1	4	White cylindrical tower, red band at top. 4.6	Radar reflector. Year round.
								Chart:3676 Edn 12/04(P04-063)
98 G5210	Tahsis Narrows North	On the NE. side of Narrows. 49 51 52.9 126 42 28.9	Q	W 1:	6.1	4	White cylindrical tower, red band at top. 5.6	Radar reflector. Year round.
								Chart:3676 Edn 12/04(P04-058)
98.3 G5210.4	Tahsis Narrows South	S. side of Narrows. 49 51 36 126 41 30.4	FI(2)	W 6:	5.8	5	White cylindrical tower, green band at top. 5.8	Flash 0.5 s; eclipse 1 s; flash 0.5s; eclipse 4 s. Radar reflector. Year round.
								Chart:3676 Edn 12/04(P04-073)
99 G5211	Tahsis Narrows	On Mozino Point, E. entrance to Narrows. 49 51 33.7	Fl	W 4:	6.2	5	White cylindrical tower. 6.1	Radar reflector. Year round.
		126 40 26.2						Chart:3676 Edn 12/04(P04-060)
101 G5215	Princesa Channel	On edge of reef at E. entrance to channel. 49 43 23.6	FI	G 4:	5.0	4	White cylindrical tower, green band at top. 8.1	Year round.
		126 37 35.1						Chart:3675 Edn 12/04(P04-070)
102 G5215.4	Kendrick Inlet	On rock. 49 43 06.6 126 38 29.4	FI	W 4s	4.0	5	Mast. 3.6	Year round.
								Chart:3675 Edn 12/04(P04-069)
108 G5218.3	San Carlos Point	On point. 49 41 09.4 126 31 16.9	Q	W 1:	6.0	5	White cylindrical tower. 5.6	Radar reflector. Year round. Chart:3675
400.5	Zunianta Charres	C. antonic : to	-	D .		,	Militar and in delegations	Edn 12/04(P04-066)
108.5 G5219.6	Zuciarte Channel South	S. entrance to channel.  49 35 44 126 31 18.4	FI	R 4:	9.4	4	White cylindrical tower, red band at top.	Radar reflector. Year round. Chart:3675 Edn 12/04(P04-068)

No.	Name	Position  Latitude N. Longitude W.		Light acteristics	Focal Height in m. above water	Nomi- nal Range	Description Height in meters above ground	Remarks  Fog Signals
PACIF	<u>IC</u>							
109 G5218.5	Hanna Channel	On point, NE. shore of Bligh Island. 49 40 34.5 126 29 45.1	FI	G 4	s 5.7	4	White cylindrical tower, green band at top.	Radar reflector. Year round. Chart:3675 Edn 12/04(P04-067)
109.5 G5220	Zuciarte Channel	E. side of Bligh Island. 49 39 06.5 126 29 02.7	FI(3)	W 1:	2s 6.3	5	White cylindrical tower, green band at top.	Flash 0.5 s; eclipse 2 s; flash 0.5 s; eclipse 2 s; flash 0.5 s; eclipse 6.5 s. Radar reflector. Year round.
								Chart:3675 Edn 12/04(P04-057)
109.8 G5220.1	Anderson Point	49 38 46 126 28 17.5	Q	R 1	6.8	3	Cylindrical tower. 4.6	Radar reflector. Year round.
								Chart:3675 Edn 12/04(P04-059)
110.3 G5220.4	Gore Island West	W. extremity of island. 49 38 56.6	Q	R 1	s 7.2	3	White cylindrical tower, red band at top. 4.5	Radar reflector. Year round.
		126 26 00.5						Chart:3675 Edn 12/04(P04-061)
110.5 G5220.6	Gore Island	N. side of island. 49 39 16.3 126 23 33.5	FI	R 4	6.3	4	White cylindrical tower, red band at top. 4.6	Radar reflector. Year round.
								Chart:3675 Edn 12/04(P04-062)
111 G5221	Muchalat Inlet	On point, on N. shore of inlet. 49 38 40.8	Q	G 1	5.5	4	White cylindrical tower, green band at top. 4.8	Radar reflector. Year round.
		126 20 53.3						Chart:3675 Edn 12/04(P04-072)
112 G5221.2	Muchalat Inlet East	On N. shore of inlet. 49 39 05 126 15 46.5	Fl	G 4	5.4	4	White cylindrical tower, green band at top. 6.4	Radar reflector. Year round.
								Chart:3675 Edn 12/04(P04-071)
112.2 G5221.4	Muchalat Inlet South Shore	S. side of inlet. 49 39 13.8 126 12 51.8	FI	R 4	6.9	4	White cylindrical tower, red band at top. 6.1	Radar reflector. Year round.
								Chart:3675 Edn 12/04(P04-064)
113 G5222	Gold River	W. side of entrance to Gold River. 49 40 30	Q	G 1	5 7.4	4	White cylindrical tower, green band at top. 5.6	Radar reflector. Year round.
		126 07 39.2						Chart:3675 Edn 12/04(P04-065)
205 G5310	Brotchie Ledge	Off entrance to harbour. 48 24 23.9	FI	G 4	s 12.0	7	White cylindrical tower, green band at top.	Radar reflector. Year round.
		123 23 12.1						Chart:3415 Edn 12/04(P04-076)
225.2 G5339.4	Mandarte Island North	48 38 18 123 17 51.6	FI	G 4	5.5	4	White cylindrical tower, green band at top.	Radar reflector. Year round.
								Chart:3441 Edn 12/04(P04-082)

-					I			
No.	Name	Position  Latitude N. Longitude W.		Light acteristics	Focal Height in m. above water	Nomi- nal Range	Description Height in meters above ground	Remarks  Fog Signals
	-							
PACIFI 230 G5342	<u>C</u> Dock Island	On E. end of NE. islet of Little Group. 48 40 17.8	Q	G 1s	i 11.4	4	White cylindrical tower, green band at top. 3.7	Year round.
		123 21 19.9						Chart:3476 Edn 12/04(P04-089)
241 G5353	Kanaka Bluff	On W. point of Portland Island. 48 43 34.2 123 23 08.2	FI	W 4s	7.6	6	White cylindrical tower, red band at top.	Radar reflector. Year round. Chart:3476
242 G5351	Isabella Island	On SE. extremity of island.	Q	W 1s	8.5	5	White cylindrical tower, green band at top.	Edn 12/04(P04-086)  Radar reflector.  Year round.
		48 43 44 123 25 45						Chart:3476 Edn 12/04(P04-087)
248.1 G5345.8	Colburne Passage South	48 41 51 123 25 28	FI	G 4s	4.5	4	White cylindrical tower, green band at top.	Radar reflector. Year round.
								Chart:3476 Edn 12/04(P04-088)
252 G5350	Senanus Island	On NW. extremity of island. 48 35 34	FI	W 4s	8.5	6	White cylindrical tower.	Radar reflector. Year round.
		123 29 12.8						Chart:3441 Edn 12/04(P04-081)
254 G5357	Hay Point	On point, Bedwell Harbour. 48 44 41.8	Q	R 1s	6.3	4	White cylindrical tower, red band at top.	Radar reflector. Year round.
		123 13 42.3						Chart:3477 Edn 12/04(P04-085)
254.3 G5340.4	Arachne Reef	On N. side of reef. 48 41 05.2 123 17 37.3	FI (2+1)	G 6s	5.8	4	White cylindrical tower, green band at top.	Radar reflector. Year round.
								Chart:3441 Edn 12/04(P04-083)
257 G5355	Beaver Point	On N. tip of point. 48 46 15.4 123 22 01.9	FI	G 4s	8.5	4	White cylindrical tower, green band at top.	Radar reflector. Year round.
		120 22 01.0						Chart:3441 Edn 12/04(P04-084)
296.7	Ladysmith Harbour Floating Breakwater	At end of floating breakwater. 48 59 58.5	FI	G 4s	,,,,,	3	Mast, green, white and black square daymark.	Operates at night only . Year round.
	Dicakwater	123 48 41.5						Chart:3475 Edn 12/04(P04-097)
366.3	Annieville Channel Pile Wall North	On N. end of pile wall. 49 10 57.2 122 55 05.7	FI(2)	R 6s	0.7	3	On 1 pile dolphin.	Flash 0.5 s; eclipse 1 s; flash 0.5 s; eclipse 4 s. Year round.
		00 00.1						Chart:3490 Edn 12/(P04-094)
384 G5417	North Arm Third	On S. side of channel. 49 14 21.4	FI	W 4s	6.1	3	Centre pile on a 9-pile dolphin, red and white triangular daymark.	Year round.
		123 14 52.6					mangalar daymark.	Chart:3491 Edn 12/04(P04-095)

No.	Name	Position  Latitude N. Longitude W.		Light acteristic	:s	Focal Height in m. above water	Nomi- nal Range	Description Height in meters above ground	Remarks  Fog Signals
PACIFI	<u>C</u>								
419.5 G5422.6	Snug Cove North	49 22 52.4 123 19 34.4	FI	R	4s	6.1	4	White cylindrical tower, red band at top.	Radar reflector. Year round.
									Chart:3534 Edn 12/04(P04-093)
493 G5529	Sisters Islets	On easterly and largest rock. 49 29 12.3 124 26 05.2	FI(2)	W	15s	24.3	16	White cylindrical tower.	Year round.  Chart:3513
									Edn 12/04(P04-100)
498.5	Fanny Bay Breakwater	End of floating breakwater. 49 30 27.3 124 49 37.8	FI	G	4s			Mast.	Operates at night only. Year round.
									Chart:3527 Edn 12/04(P04-099)
796 G5846	Dawson Islands	On easternmost island.	FI	W	4s	9.5	3	White square skeleton tower.	Year round.
		132 20 10							Chart:3893 Edn 12/04(P04-096)
824.2	North Arm Approach	On S.E. point at the entrance to the North Arm. 52 32 32.3 121 01 34.8	FI(3)	W	12s	13.0	5	Mast.	Flash 0.5 s; eclipse 2 s; flash 0.5 s; eclipse 2 s; flash 0.5 s; eclipse 6.5 s. Year round.

Chart:N/A Edn 12/04(P04-090)

# 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 ad-			
General locality:				
Subject:				
Approx. position:		_at.	Long	
Chart No. used to plot:	(Corrected to N/M No.	of 2000 )	-	Publications
affected: (Quote Volume and )	page)			
* Full details (Attach additional	sheets as necessary)			
Time	(UTC)	Date		

#### **INSTRUCTIONS:**

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

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

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

Director, Navigation Systems Canadian Coast Guard Department of Fisheries and Oceans Ottawa, Ontario, K1A 0E6

OR

Dominion Hydrographer Canadian Hydrographic Service Department of Fisheries and Oceans Ottawa, Ontario, K1A 0E6 In the case of information Canadian navigational aids or the List Department of Lights, Buoys and Fog Signals.

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

#### CHSINFO@DFO-MPO.GC.CA

For general questions on Coast Guard programs or services, please send an e-mail message to: <a href="mailto:info@dfo-mpo.gc.ca">info@dfo-mpo.gc.ca</a>

(Please include your postal and e-mail address)

For questions regarding the content of these pages contact:

Theresa Kenney (613) 990-3016

Site Administrator