



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian
Coast Guard

Garde côtière
canadienne

NOTICES TO MARINERS PUBLICATION WESTERN EDITION

MONTHLY EDITION N° 08
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Safety First, Service Always

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Canadian Coast Guard Programs
Aids to Navigation and Waterways

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) in the section 1. Please note that Nautical charts are not 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 few permanent changes to navigational aids that have been advertised as Preliminary Notices to Mariners while charts are being updated for new editions.

Marine Information Report & Suggestion Sheet.

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

Canadian Hydrographic Service.

Information Published in Section 2 Notices to Mariners - Mariners are advised that only the most critical changes that directly affect safety to navigation are issued in Chart Corrections - Section 2. This limitation is required to ensure that charts remain as clear and easy to read as possible. As a result, mariners may see minor discrepancies of a non-critical nature between information in official publications. For example, a small change in the nominal range or height of a light may not result in the production of a chart correction, in *Notices to Mariners*, but may result in a *List of Lights, Buoys and Fog Signals* correction.

In case of discrepancy between information provided on CHS charts related to aids to navigation, and the List of Lights publication, the latter shall be deemed as containing the most up to date information.

Canadian Nautical Charts & Publications - A source list of *Canadian Nautical Charts & Publications* is published in Notice No. 14 of the *Notices to Mariners Annual Edition April 2014*. The source supply and the prices effective at the time of printing are listed. For current chart edition dates refer to the following website:

www.chs-shc.gc.ca/charts-cartes/paper-papier/index-eng.asp

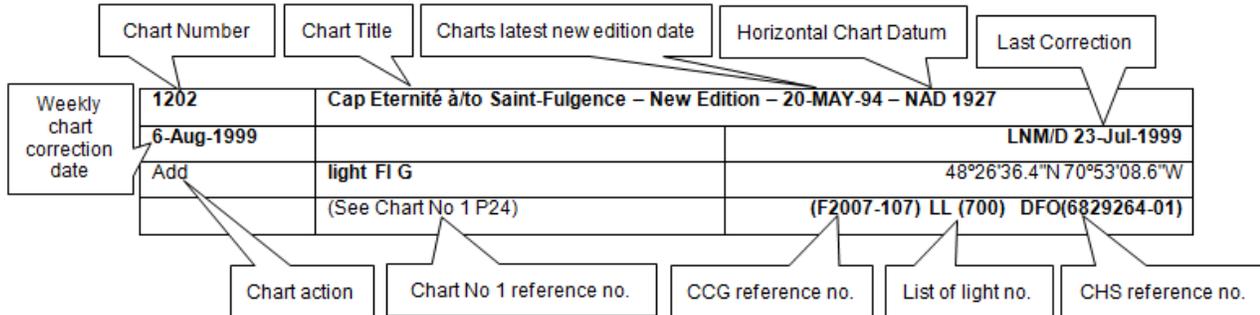
NOTE: Cette publication est aussi disponible en français.

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.



The last correction number is identified with the **LNM/D** or **Last Notice to Mariners Number / Date**.

MONTHLY EDITION OF NOTICES TO MARINERS WEB ACCESS.

We are offering a feature where subscribers to our on-line service are able to receive the complete electronic monthly edition of our Notices to Mariners. We are encouraging our clients to visit the website to subscribe for this service:

www.notmar.gc.ca/subscribe

Users wishing to receive information updates for their charts can do so by setting up a "User Profile" on the following web page :

www.notmar.gc.ca/search/mycharts-eng.php?czoxOToibnRtPXN0ZXBfb25lJmxbmc9ZSI7

This feature permits users to register the nautical charts they currently have in their possession.

Registrants are then automatically notified by e-mail when a Notice to Mariners is published concerning these charts.

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.

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 available on the Canadian Coast Guard Website at www.ccg-gcc.gc.ca/eng/CCG/NOTSHIP.

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

For further information contact your local Regional Notices to Shipping (Notships) issuing authorities.

Western

Fisheries and Oceans Canada
Canadian Coast Guard
Victoria MCTS Centre
P. O. Box 6000,
9860 West Saanich Road
SIDNEY, BC V8L 4B2

Telephone : (250) 363-6333

Email: supervisor.Victoria@innav.gc.ca

Website: www.ccg-gcc.gc.ca/Marine-communications/Home

* Services provided in English and French

* Fisheries and Oceans Canada
Canadian Coast Guard
Iqaluit MCTS Centre
Notices to Shipping Series "A" and Series "H"
P.O. Box 189
IQALUIT, NU, X0A 0H0

Telephone: (867) 979-5269

Facsimile: (867) 979-4264

Email: IQANORDREG@INNAV.GC.CA

Website: www.ccg-gcc.gc.ca/eng/CCG/Notship-Home

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NUMERICAL INDEX OF CANADIAN CHARTS AFFECTED

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1515	2				
2048	2				
3000	7				
3461	7				
3513	7				
3527	7				
3668	4				
3724	7, 8				
3744	8				
3800	8				
3807	8				
3808	8, 9				
3853	9				
3902	9				
3927	2				
3934	10				
3956	10				
3957	10				
3958	10				
3978	2				
3986	10				
5070	2				
7527	2				
7710	2				

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**SECTION 1
SAFETY AND GENERAL INFORMATION**

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

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.

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

CANADIAN HYDROGRAPHIC SERVICE - CUMULATIVE CHART CORRECTIONS.

The cumulative Notices to Mariners corrections for charts can now be accessed at <https://www.notmar.gc.ca/corrections-en.php>

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 Notices 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 Notices 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 be accessed at www.chs-shc.gc.ca/charts-cartes/paper-papier/index-eng.asp

CANADIAN HYDROGRAPHIC SERVICE - PRINT ON DEMAND CHARTS - CARE AND USE.

Background

By providing nautical charts to the public, the goal of the Canadian Hydrographic Service (CHS) is to provide services for safe navigation in a fiscally responsible manner. As a result, CHS continues to expand its portfolio of nautical paper charts that are printed using Print On Demand (POD) technology. These charts are easily recognized by their whiter paper and the coloured logo of the Canadian Hydrographic Service. This new technology enables CHS to print charts in a more efficient manner while enhancing chart content through being able to quickly add new and important information. POD technology provides customers with up-to-date charts without the historical hand-drawn corrections or glued-on patches. Additionally, this technology eliminates out-of-stock situations which arise with the traditional printing and warehousing methods. In the event of a national emergency, CHS can respond to the appropriate authorities with best available information very quickly.

Care of Your POD Chart

CHS encourages its customers to handle the POD charts more carefully than the traditional lithographic charts. When plotting information on POD charts, use HB pencils and apply limited pressure. Testing has suggested that an Indian gum eraser is more effective than alternatives when used on the product. This eraser is also suitable for charts printed using lithographic processes.

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CANADIAN HYDROGRAPHIC SERVICE - TRANSPORT CANADA NAVIGATION SAFETY – ECDIS.

Mariners are advised that ECDIS may not display some isolated shoal depths when operating in "base or standard display" mode. Route planning and monitoring alarms for these shoal depths may not always be activated. To ensure safe navigation and to confirm that a planned route is clear of such dangers, mariners should visually inspect the planned route and any deviations from it using ECDIS configured to display "all data". The automated voyage planning check function should not be solely relied upon.

UPDATE TO CONSOLIDATION OF MARINE COMMUNICATIONS AND TRAFFIC SERVICES (MCTS) CENTRES.

The Canadian Coast Guard is modernizing and consolidating its Marine Communications and Traffic Services Centres. Clients will continue to receive the high-quality service they have come to expect.

Once complete, there will be a total of 12 MCTS Centres strategically located across the country. Additional information pertaining to this project will be advertised to clients by all available means.

Western Region

Comox MCTS will consolidate to Victoria MCTS in Winter/Spring 2016

The new technology will increase efficiency permitting employees to have a greater ability to focus on the safety services they provide to mariners. Mariners are encouraged to visit the Radio Aids to Marine Navigation (RAMN), www.ccg-gcc.gc.ca/Marine-Communications/Home and Notices to Mariners (NOTMAR), www.notmar.gc.ca/ PART 3 on a monthly basis for updated information and potential changes to contact information and marine broadcast schedules.

CANADIAN HYDROGRAPHIC SERVICE – ANNOUNCEMENT REGARDING TIDAL INFORMATION TABLES ON CHARTS.

Mariners are advised that the tidal levels listed in the 2016 edition of canadian tide and current tables, volumes 2 and 3 have been updated. This revision is aimed to get more precise tidal predictions in time and height. this will result in corrections to the tidal information table shown on charts. These corrections will be published in 2016, through notices to mariners.

***801 CANADIAN HYDROGRAPHIC SERVICE - NAUTICAL CHARTS.**

CHARTS	MAIN TITLE	SCALE	PUBLISHED	CAT#	PRICE
New Chart					
3978	Bonilla Island to/à Edye Passage	1:80000	01-JUL-2016		
New Editions					
1514	Carillon à/to Papineauville	1:20000	22-APR-2016	3	18.00
1515	Papineauville à/to Ottawa	1:20000	29-APR-2016	3	18.00
2048	Port Credit	1:5000	29-APR-2016	3	12.00
5070	Satsoak Island to/à Akuliakatak Peninsula	1:25000	29-JAN-2016	1	20.00
7527	Erebus and Terror Bay and/et Radstock Bay	1:50000	29-APR-2016	4	20.00
7710	Lambert Channel and/et Cache Point Channel	1:80000	15-JUL-2016	4	20.00
Chart Permanently Withdrawn					
3927	Bonilla Island to/à Edye Passage				

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***802 CANADIAN HYDROGRAPHIC SERVICE - ELECTRONIC NAVIGATIONAL CHARTS.**

NEW PRODUCTS	
S-57 ENC NUMBER	CHART TITLE
CA376429	Corbett Island to Ship Harbour Head
CA376616	Garia Bay to/à Burgeo
CA473467	Kangiqlugaapik (Erik Harbour)
CA576184	Pugwash Harbour
CA576617	La Poile
CA576618	Grand Bruit Harbour
WITHDRAWN PRODUCTS	
CA376429	Corbett Island to Ship Harbour Head

***803 CANADIAN HYDROGRAPHIC SERVICE – RASTER DIGITAL CHARTS (BSB V4).**

CHARTS	MAIN TITLE
Charts Permanently Withdrawn	
RM-1201	Saint-Fulgence à/to Saguenay
RM-1203	Tadoussac à/to Cap Éternité
RM-1223	Chenal du Bic et les approches/and approaches
RM-1226	Mouillages et Installations Portuaires/Anchorages and Harbour Installations - Haute Côte-Nord
RM-1233	Cap aux Oies à/to Sault-au-Cochon
RM-1320	Île du Bic au/to Cap de la Tête au Chien

***804 TRANSPORT CANADA – SHIP SAFETY BULLETIN.**

This is to notify you that a new **Ship Safety Bulletin** has recently been posted to the Transport Canada website at:
www.tc.gc.ca/ssb-bsn/

To go online to view or download this bulletin, please click on the link below:

**[SSB#05/2016](#) – Zika Virus
RDIMS#11827410**

Sign yourself up for [e-Bulletin](#) to receive an e-mail notice each time a new Ship Safety Bulletin is published on our Web site

Contact us at: marinesafety-securitemaritime@tc.gc.ca or 1-855-859-3123 (Toll Free).

***805 TRANSPORT CANADA – SHIP SAFETY BULLETIN.**

This is to notify you that a new **Ship Safety Bulletin** has recently been posted to the Transport Canada website at:
www.tc.gc.ca/ssb-bsn/

To go online to view or download this bulletin, please click on the link below:

**[SSB#06/2016](#) – Guidelines for Moored Attraction Vessels
RDIMS#11420893**

Sign yourself up for [e-Bulletin](#) to receive an e-mail notice each time a new Ship Safety Bulletin is published on our Web site

Contact us at: marinesafety-securitemaritime@tc.gc.ca or 1-855-859-3123 (Toll Free).

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SECTION 1
SAFETY AND GENERAL INFORMATION

***806 TRANSPORT CANADA – SHIP SAFETY BULLETIN.**

This is to notify you that a new **Ship Safety Bulletin** has recently been posted to the Transport Canada website at: www.tc.gc.ca/ssb-bsn/

To go online to view or download this bulletin, please click on the link below:

**[SSB#07/2016](#) – Interim Measures for Small Marine Diesel Engines
RDIMS#11598747**

Sign yourself up for [e-Bulletin](#) to receive an e-mail notice each time a new Ship Safety Bulletin is published on our Web site

Contact us at: marinesafety-securitemaritime@tc.gc.ca or 1-855-859-3123 (Toll Free).

***817 ALBERNI INLET – UNLIT BUOY PERMANENTLY DISCONTINUED.**

Reference: Notice 1213(P)/14 is cancelled (Chart 3668).

(P2016-047)

***819(T)AUTOMATIC IDENTIFICATION SYSTEM (AIS).**

AIS Application-Specific Messages (ASM) and AIS AtoN

Mariners are advised that the Canadian Coast Guard will perform a test of AIS Application-Specific Messages (AIS-ASM) on the Pacific Coast from the Sand Heads meteorological/hydrological station: 49°06'21"N 123°18'12"W, and may extend this testing to other stations in the coming months. The test will start at the end of August and consist of broadcasting meteorological/hydrological (MET/HYDRO) data through AIS binary "Message 8".

Although AIS was originally developed as a means for positive identification and tracking of ships, it includes functionalities to transmit binary messages such as MET/HYDRO information and other types of data. These additional functionalities of AIS may be useful to mariners to assist in onboard voyage planning.

Ships need to be equipped with a proper Class "A" AIS device for the accurate onboard display of AIS message. The IMO mandatory carriage requirement for the Class "A" AIS display¹ is the Minimum Keyboard Display (MKD) which displays the binary data in an alphanumeric form. However, as there is no current requirement for the MKD to be capable of decoding all AIS binary messages, the display and use of the ASM information may require additional hardware and/or software².

AIS Aids to Navigation (AtoN)

The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) defines an AtoN as:

'a device or system external to vessels that is designed and operated to enhance the safe and efficient navigation of vessels and/or vessel traffic'.³

¹ Class A AIS units are those meeting the mandatory SOLAS carriage requirements (SOLAS Chapter V, Rule 19) for vessels over 300GRT. Class B AIS units are for use on craft that are not covered by the mandatory carriage requirements.

² IALA Guideline No. 1095 On Harmonised implementation of Application-Specific Messages (ASMs) Edition 1 May 2013.

³ IALA Recommendation A-126 On The Use of the Automatic Identification System (AIS) in Marine Aids to Navigation Services Edition 1.5 June 2011 Edition 1; June 2004.

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The primary purpose of an AIS AtoN Station is to promote and enhance safety and efficiency of navigation by one or more of the following:

- Providing a positive and all-weather means of identification;
- Complementing existing services (e.g. RACONS) from AtoN;
- Transmitting accurate positions of floating AtoN;
- Indicating if a floating AtoN is off position (monitoring the status of an AtoN);
- Marking or delineating tracks, routes, areas, and limits;
- Marking offshore structures;
- Enable timely marking of new hazards (fixed or dynamic) using Virtual AIS AtoN.

The use of AIS within the marine aids to navigation service is accomplished by the broadcasting of the aids to navigation report message "Message 21".

An AIS AtoN can be implemented in three ways, Real, Synthetic, and Virtual.

- 1) Physical/real AIS AtoN: An AIS device which is physically located on the AtoN and transmits "Message 21".
- 2) Synthetic AIS AtoN: There are 2 types of Synthetic AIS AtoN – Monitored and Predicted.
 - a. Monitored: A "Message 21" is transmitted from a nearby AIS base station. The AtoN physically exists but there is no AIS device on it. A communication link is installed on the AtoN to allow the monitoring of its status.
 - b. Predicted: A "Message 21" is transmitted from a nearby AIS base station. The AtoN physically exists but there is neither an AIS device on it nor a communication link. Status and position of the AtoN cannot be monitored.
- 3) Virtual AIS AtoN: A "Message 21" is transmitted from a nearby AIS base station for an AtoN that does not physically exist. The "Message 21" will clearly identify this as a virtual AIS AtoN.

Displays and Symbolology.

As the AIS information available to mariners will be dependent on their display system, **not all transmitted information may be displayed.** Mariners are encouraged to install systems that provide AIS overlay on either ECDIS or Radar, or both.

Of those vessels that are AIS equipped the various displays available can range from no display on some Class B units, through to the mandatory Class A MKD, and to a full ECDIS or Radar overlay. In the absence of an ECDIS or Radar overlay, mariners will not be able to fully utilize the AIS AtoN functionality. Also note that there is a variance in the information that can be displayed on ECDIS or Radar equipment by the different AIS manufacturers.

The symbolology that may be displayed on nautical charts, display systems and the MKD is summarised below.

Nautical Charts

On nautical charts AIS AtoN are indicated by a magenta circle surrounding the existing AtoN symbol and an adjacent legend stating AIS. The font will be straight for fixed AtoN and italic for floating AtoN.



A physical AIS AtoN provided as an overlay on ECDIS, Radar or other display systems are indicated by a diamond shape with crossed lines at the reported position of the AtoN. A physical AIS AtoN that is off position will use the same symbol but in red. A virtual AIS AtoN is indicated by a dotted line diamond shape with the crossed lines at the reported position.

Physical AIS Aton



Physical AIS Aton
off position



Virtual AIS Aton



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Minimum Keyboard Display

The mandatory MKD is only required to display data in alphanumeric form. Some MKD are units supplemented by a small graphical display. Exact presentation will vary but this layout below would be typical of MKD displays.

Range	Bearing	Name
XX.XX	XXX.X	XXXXXXXXXX
XX.XX	XXX.X	XXXXXXXXXX
XX.XX	XXX.X	XXXXXXXXXX
Latitude		XXX XX.XXX
Longitude		XXX XX.XXX

Feedback on AIS-ASM

Mariners are requested to provide feedback on the AIS-ASM test bed to their applicable Regional MCTS Office.

Contact information can be found in the publication Radio Aids to Marine Navigation, Part 1.

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SECTION 2
CHART CORRECTIONS

3000 - Juan de Fuca Strait to à Dixon Entrance - New Edition - 20-JAN-1989 - NAD 1927

12-AUG-2016 LNM/D. 05-AUG-2016
Add wreck with known depth of 80 metres 54°24'16.2"N 131°11'07.7"W
(See Chart No. 1, K26)
This notice affects Electronic Navigational Chart: CA270390, CA370190
DFO(6203332-01)

05-AUG-2016 LNM/D. 22-JUL-2016
Add note 49°15'00.0"N 127°21'00.0"W
See/Voir note
EXERCISE AREA WP/ZONE D'EXERCICE WP
DFO(6203321-01)

3461 - Juan de Fuca Strait, Eastern Portion/Partie Est - New Edition - 01-JUL-2005 - NAD 1983

05-AUG-2016 LNM/D. 06-MAY-2016
Add Automatic Identification System Transmitter to yellow pillar 48°11'27.3"N 122°49'47.6"W
buoy, marked SA FI Y
(See Chart No. 1, S17.2)
DFO(6203315-01)

Amend yellow pillar buoy, marked SA FI Y to read yellow pillar 48°11'27.3"N 122°49'47.6"W
buoy, marked SA FI Y 2½s
(See Chart No. 1, Q23)
DFO(6203315-02)

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

05-AUG-2016 LNM/D. 16-OCT-2015
Add yellow ODAS/SADO lighted buoy FI (5) Y 20s, marked priv 49°29'47.5"N 124°46'33.9"W
(See Chart No. 1, Q58, Q26)
This notice affects Electronic Navigational Chart: CA370016, CA470218
DFO(6203330-01)

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

05-AUG-2016 LNM/D. 29-JUL-2016
Add yellow ODAS/SADO lighted buoy FI (5) Y 20s, marked priv 49°29'47.5"N 124°46'33.9"W
(See Chart No. 1, Q58, Q26)
This notice affects Electronic Navigational Chart: CA370016, CA470218
DFO(6203330-01)

3724 - Caamaño Sound and Approaches/et les approches - New Edition - 23-MAY-1980 - Unknown

19-AUG-2016 LNM/D. 29-JUL-2016
Add depth of 8¼ fathoms 52°57'22.9"N 129°39'59.5"W
(See Chart No. 1, I10)
DFO(6203337-01)

Add depth of 4¼ fathoms 52°58'43.2"N 129°42'16.6"W
(See Chart No. 1, I10)
DFO(6203337-02)

Add depth of 6 fathoms 52°58'37.8"N 129°39'14.9"W
(See Chart No. 1, I10)
DFO(6203337-03)

Delete depth of 19 fathoms 52°57'06.5"N 129°39'45.0"W
(See Chart No. 1, I10)
DFO(6203337-04)

Add depth of 7 fathoms 52°57'04.5"N 129°39'43.9"W
(See Chart No. 1, I10)
DFO(6203337-05)

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SECTION 2
CHART CORRECTIONS

Delete	depth of 17 fathoms (See Chart No. 1, I10)	52°58'59.1"N 129°41'20.0"W <i>DFO(6203337-06)</i>
Add	depth of 7¼ fathoms (See Chart No. 1, I10)	52°58'58.1"N 129°41'18.3"W <i>DFO(6203337-07)</i>
Add	depth of 8¼ fathoms (See Chart No. 1, I10)	52°57'47.3"N 129°40'10.1"W <i>DFO(6203337-08)</i>
3744 - Queen Charlotte Sound - New Edition - 20-MAY-1988 - NAD 1927		
05-AUG-2016		LNM/D. 08-APR-2016
Amend	Fl (3) 12s 53ft to read Fl (3) 12s 23ft against light (See Chart No. 1, P1) This notice affects Electronic Navigational Chart: CA270724, CA370298	53°32'51.8"N 130°38'02.1"W <i>DFO(6203319-02)</i>
3800 - Dixon Entrance - New Chart - 06-MAY-2011 - NAD 1983		
12-AUG-2016		LNM/D. 08-APR-2016
Add	wreck with known depth of 80 metres (See Chart No. 1, K26) This notice affects Electronic Navigational Chart: CA270390, CA370190	54°24'16.2"N 131°11'07.7"W <i>DFO(6203332-01)</i>
3807 - Atli Inlet to à Selwyn Inlet - New Edition - 05-FEB-1999 - NAD 1983		
12-AUG-2016		LNM/D. 19-JUL-2013
Delete	depth of 18.6 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'14.6"N 131°25'04.9"W <i>DFO(6203333-01)</i>
Add	depth of 1 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'15.4"N 131°25'04.4"W <i>DFO(6203333-02)</i>
Delete	depth of 10.1 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'11.2"N 131°24'36.3"W <i>DFO(6203336-01)</i>
Add	depth of 0.5 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'10.4"N 131°24'38.1"W <i>DFO(6203336-02)</i>
3808 - Juan Perez Sound - New Edition - 30-DEC-2005 - NAD 1983		
12-AUG-2016		LNM/D. 05-AUG-2016
Delete	depth of 18.6 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'14.6"N 131°25'04.9"W <i>DFO(6203333-01)</i>
Add	depth of 1 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'15.4"N 131°25'04.4"W <i>DFO(6203333-02)</i>

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**SECTION 2
CHART CORRECTIONS**

Delete	depth of 10.1 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'11.2"N 131°24'36.3"W <i>DFO(6203336-01)</i>
Add	depth of 0.5 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470375	52°40'10.4"N 131°24'38.1"W <i>DFO(6203336-02)</i>
05-AUG-2016 Delete	depth of 15.2 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470330	LNM/D. 29-JUL-2016 52°36'25.2"N 131°27'48.4"W <i>DFO(6203316-01)</i>
Add	depth of 2.5 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470330	52°36'26.8"N 131°27'49.7"W <i>DFO(6203316-02)</i>
Add	depth of 2.7 metres (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA470330	52°36'26.5"N 131°30'46.9"W <i>DFO(6203318-01)</i>
3853 - Cape St. James to/à Cumshewa Inlet and/et Tasu Sound - New Edition - 02-MAR-1990 - NAD 1927		
05-AUG-2016 Delete	depth of 8 fathoms 2 feet (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA370497	LNM/D. 18-SEP-2015 52°36'24.0"N 131°27'42.0"W <i>DFO(6203316-03)</i>
Add	depth of 1 fathom 2 feet (See Chart No. 1, I10) This notice affects Electronic Navigational Chart: CA370497	52°36'27.6"N 131°27'43.8"W <i>DFO(6203316-04)</i>
3902 - Hecate Strait - New Edition - 09-DEC-1988 - NAD 1927		
19-AUG-2016 Add	depth of 4 fathoms 2 feet (See Chart No. 1, I10)	LNM/D. 05-AUG-2016 52°58'41.8"N 129°42'18.9"W <i>DFO(6203337-02)</i>
Add	depth of 8 fathoms 2 feet (See Chart No. 1, I10)	52°57'46.0"N 129°40'12.4"W <i>DFO(6203337-08)</i>
05-AUG-2016 Amend	Fl (3) 12s 53ft to read Fl (3) 12s 23ft against light (See Chart No. 1,P1) This notice affects Electronic Navigational Chart: CA270724, CA370298	LNM/D. 08-APR-2016 53°32'51.9"N 130°38'02.1"W <i>DFO(6203319-02)</i>

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SECTION 2
CHART CORRECTIONS

3934 - Approaches to/Approches à Smith Sound and/et Rivers Inlet - New Chart - 21-FEB-1992 - NAD 1983

12-AUG-2016 LNM/D. 09-JAN-2015
Add underwater rock of unknown depth, dangerous to surface navigation, 51°30'23.1"N 127°41'44.9"W
marked Rep (2016)
(See Chart No. 1, K13,I3.2)
This notice affects Electronic Navigational Chart: CA470339
DFO(6203331-01)

Delete depth of 26 metres 51°30'21.6"N 127°41'46.7"W
(See Chart No. 1, I10)
This notice affects Electronic Navigational Chart: CA470339
DFO(6203331-02)

3956 - Malacca Passage to/à Bell Passage - New Edition - 01-MAR-1996 - NAD 1983

19-AUG-2016 LNM/D. 12-AUG-2016
Reposition green, red, green port bifurcation lighted pillar buoy FI (2+1) G, from 54°14'09.0"N 130°33'57.0"W
marked DAX to 54°14'08.1"N 130°34'06.1"W
(See Chart No. 1, Qj)
This notice affects Electronic Navigational Chart: CA470315
DFO(6203335-01)

12-AUG-2016 LNM/D. 15-JUL-2016
Add depth of 5.7 metres 54°12'43.3"N 130°25'27.8"W
(See Chart No. 1, I10)
This notice affects Electronic Navigational Chart: CA470315
DFO(6203334-01)

3957 - Approaches to/Approches à Prince Rupert Harbour - New Edition - 05-JUN-1998 - NAD 1983

19-AUG-2016 LNM/D. 12-AUG-2016
Reposition green, red, green port bifurcation lighted pillar buoy FI (2+1) G, from 54°14'09.0"N 130°33'57.0"W
marked DAX to 54°14'08.1"N 130°34'06.1"W
(See Chart No. 1, Qj)
This notice affects Electronic Navigational Chart: CA470315
DFO(6203335-01)

12-AUG-2016 LNM/D. 15-JUL-2016
Add depth of 5.7 metres 54°12'43.3"N 130°25'27.8"W
(See Chart No. 1, I10)
This notice affects Electronic Navigational Chart: CA470315
DFO(6203334-01)

3958 - Prince Rupert Harbour - New Edition - 13-DEC-2013 - World Geodetic System 1984

12-AUG-2016 LNM/D. 15-JUL-2016
Add depth of 5.7 metres 54°12'43.3"N 130°25'27.8"W
(See Chart No. 1, I10)
This notice affects Electronic Navigational Chart: CA470315
DFO(6203334-01)

3986 - Browning Entrance - New Chart - 25-DEC-2009 - NAD 1983

05-AUG-2016 LNM/D. 08-APR-2016
Amend FI (3) 12s16m5M to read FI (3) 12s7m9M against light 53°32'51.1"N 130°38'08.1"W
(See Chart No. 1,P1)
This notice affects Electronic Navigational Chart: CA470622
(P2016049) LL(735) DFO(6203319-01)

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**SECTION 3
CORRECTIONS TO RADIO AIDS TO MARINE NAVIGATION**

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SECTION 4
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

PAC 206 — Hecate Strait, Dixon Entrance, Portland Inlet and Adjacent Waters and Haida Gwaii, Second Edition, 2015 —

Chapter 1 — Before paragraph 1
Delete: *Charts 3744, 3800, 3902, 3927*
Replace by: *Charts 3744, 3800, 3902, 3927, 3981, 3982*
(P2016-21.1)

Chapter 1 — After paragraph 70
Delete: *Chart 3726*
Replace by: *Charts 3726, 3982*
(P2016-21.2)

Chapter 1 — Before paragraph 81
Delete: *Chart 3726*
Replace by: *Charts 3726, 3982*
(P2016-21.3)

Chapter 1 — Before paragraph 112
Insert: *Chart 3982*
(P2016-21.4)

Chapter 1 — After paragraph 118
Insert: *Chart 3724*
(P2016-21.5)

Chapter 1 — Before paragraph 122
Insert: *Charts 3724, 3982*
(P2016-21.6)

Chapter 1 — Before paragraph 139
Insert: *Chart 3982*
(P2016-21.7)

Chapter 1 — Delete paragraph 184
Replace by: 184 Northwest Rocks **light** (735), on the south side of the rocks, is shown at an elevation of 23 feet (7 m) from a white tower.
(P2016-20.1)

Chapter 1 — Before paragraph 341
Delete: *Charts 3726, 3728, 3737*
Replace by: *Charts 3726, 3728, 3737, 3981*
(P2016-21.8)

Chapter 1 — Paragraph 343, after “10-fathom (18.3-m) contour.”
Insert: The new Chart 3981 contains new information from recent surveys, but it is recommended that the mariner consult the source class diagram on the chart for clarification.
(P2016-21.9)

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SECTION 4
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

- Chapter 1 — After paragraph 370
Delete: *Charts 3726, 3737*
Replace by: *Charts 3726, 3737, 3981* (P2016-21.10)
- Chapter 1 — Before paragraph 386
Delete: *Chart 3943*
Replace by: *Charts 3943, 3981* (P2016-21.11)
- Chapter 1 — Before paragraph 404
Delete: *Chart 3737*
Replace by: *Charts 3737, 3981* (P2016-21.12)
- Chapter 1 — Paragraph 431, after “10-fathom (18.3-m) contour.”
Insert: The new Chart 3981 contains new information from recent surveys, but it is recommended that the mariner consult the source class diagram on the chart for clarification. (P2016-21.13)
- Chapter 1 — Before paragraph 453
Insert: *Chart 3982* (P2016-21.14)
- Chapter 1 — After paragraph 457
Delete: *Charts 3911, 3737*
Replace by: *Charts 3911, 3737, 3982, 3981* (P2016-21.15)
- Chapter 1 — Before paragraph 466
Delete: *Chart 3737*
Replace by: *Charts 3737, 3982, 3981* (P2016-21.16)
- Chapter 1 — Before paragraph 472
Insert: *Chart 3982* (P2016-21.17)
- Chapter 1 — Before paragraph 487
Delete: *Charts 3911, 3737*
Replace by: *Charts 3911, 3737, 3982, 3981* (P2016-21.18)
- Chapter 1 — Before paragraph 497
Delete: *Chart 3724*
Replace by: *Charts 3724, 3982* (P2016-21.19)

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SECTION 4
SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

Chapter 1 — After paragraph 536
Delete: *Chart 3911*
Replace by: *Charts 3911, 3982*

(P2016-21.20)

Chapter 1 — Before paragraph 585
Delete: *Charts 3724, 3742*
Replace by: *Charts 3912, 3982*

(P2016-21.21)

Chapter 1 — Before paragraph 588
Delete: *Chart 3724*
Replace by: *Charts 3724, 3982*

(P2016-21.22)

Chapter 1 — After paragraph 599
Delete: *Chart 3724*
Replace by: *Charts 3912, 3982*

(P2016-21.23)

Chapter 1 — Before paragraph 605
Delete: *Charts 3724, 3742*
Replace by: *Charts 3742, 3982*

(P2016-21.24)

Chapter 1 — After paragraph 623
Delete: *Charts 3912, 3724, 3742*
Replace by: *Charts 3912, 3742, 3982*

(P2016-21.25)

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**SECTION 5
LIST OF LIGHTS, BUOYS AND FOG SIGNALS CORRECTIONS**

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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The amendments have been highlighted in yellow

PACIFIC

286.5 G5379.4	Norway Island	NW. end of island. 48 58 54.5 123 37 32.8	Fl Y 4s	3.0	Mast.	Privately maintained from April 30 to October 1 st . Year round. Chart:3477 Edn 08/16 (P16-057)
294 G5383	Alarm Rock	On SE. end of rock. 48 57 32.6 123 40 26.6	Fl(2) W 6s	5.2	5	White cylindrical tower.	Flash 0.5 s; eclipse 1 s; flash 0.5 s; eclipse 4 s; Radar reflector. Year round. Chart:3477 Edn 08/16 (P16-058)
294.5 G5382.2	Hudson Island North	48 57 59.2 123 40 23.0	Fl R 4s	4.9	4	White cylindrical tower, red band at top.	Radar reflector. Year round. Chart:3477 Edn 08/16 (P16-059)
735 G5748.5	Northwest Rocks	On largest rock of group. 53 32 51.1 130 38 08.1	Fl(3) W 12s	7.4	9	White cylindrical tower.	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:3986 Edn 08/16 (P16-049)

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CANADIAN COAST GUARD MARINE INFORMATION REPORT AND SUGGESTION SHEET.

Name of Ship or Sender: Date:

Address of Sender:
Street # Street Name

Town / City: Prov / State: Postal Code / Zip Code:

Tel / Fax / E-mail address of sender:

Observation Date: Time (UTC):

Geographical Position:

Coordinate Position: Lat: Long:

Position Method: DGPS GPS with WAAS GPS Radar Other

Horizontal Datum Used: WGS 84 NAD 27 Other

Estimated Position Accuracy:

Chart #: Datum: NAD 27 NAD 83

Chart Edition: Last Correction applied:

Publications affected: (Quote Volume and page):

*Full details (Attach additional sheets as necessary)

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 (MCTS) and should be confirmed in writing to:

Leader, Notices to Mariners
Canadian Coast Guard
Department of Fisheries and Oceans
Montréal, Qc H2Y 2E7

In the case of information concerning aids to navigation
or the List of Lights, Buoys and Fog Signals.

Notmar.XNCR@dfo-mpo.gc.ca

OR

Director General, Canadian Hydrographic Service &
Oceanographic Services
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.

CHSINFO@dfo-mpo.gc.ca

Or general questions on Coast Guard programs or services please send an e-mail message to:
info@dfo-mpo.gc.ca