



Fisheries and Oceans
Canada

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Canada

Canadian
Coast Guard

Garde côtière
canadienne



PACIFIC COAST

List of Lights, Buoys and Fog Signals

Canadian Coast Guard
Maritime Services



www.notmar.gc.ca

PACIFIC COAST

Including

**THE COASTAL WATERS, RIVERS AND LAKES OF BRITISH
COLUMBIA**

**Lights,
Buoys and Fog Signals**

**Canadian Coast Guard
Maritime Services**

This publication can be downloaded from the
Notices to Mariners Web site

www.notmar.gc.ca/

Published by:
Canadian Coast Guard Programs
Aids to navigation and Waterways
Fisheries and Oceans Canada
Ottawa, Ontario
K1A 0E6

Également disponible en français.

Cat # - Fs151-10/2013E-PDF

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Fisheries and Oceans Canada - Official publication of the Canadian Coast Guard

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**RECORD OF CHANGES TO THE LIST OF LIGHTS,
BUOYS AND FOG SIGNALS FROM MONTHLY EDITION
NOTICES TO MARINERS**

**Information contained in Notices to Mariners Section 1 up to and including
Monthly Edition marked with an X has been embodied in this publication.**

2013

1	X	4	X	7	10
2	X	5	X	8	11
3	X	6	X	9	12

2014

1		4		7	10
2		5		8	11
3		6		9	12

PACIFIC COAST – List of Lights, Buoys and Fog Signals

Regional Information

The lights and buoys along the Pacific Coast are maintained in operation throughout the year. Details on changes made to fixed and floating aids are published in a Notice to Shipping by the Region and disseminated by means of radio broadcast when they occur.

In the spring, freshet conditions on the Fraser River cause the positions of floating aids to be unreliable. Displaced buoys on the Fraser River may be temporarily removed from service, in which case mariners will be advised by a Notice to Shipping.

Cautions in the Use of Aids to Navigation

Most aids to navigation are not under continuous observation and mariners should be aware that failures and displacements do occur. The Canadian Coast Guard does not guarantee that all aids to navigation will operate as advertised and in the positions advertised at all times. Mariners observing aids to navigation out of operation, out of position, damaged or missing are responsible for reporting such problems to the nearest Canadian Coast Guard Marine Communication and Traffic Services Centre on VHF Ch. 16 immediately or to the closest Canadian Coast Guard office.

Aids to navigation are subject to damage, failure and dislocation. This may be caused by ice, storms, vessel strikes and power failures. Ice and storm damage may be widespread and require considerable time to repair. Isolated damage may exist for a long time without being discovered and reported. Floating aids and pier lights in or near the water which are exposed to particularly rigorous strain during ice movement are at the greatest risk of damage.

Mariners are cautioned that aids to navigation may fail to exhibit their advertised characteristics. Lights may be extinguished or aural signals may not function due to ice, collisions, mechanical failure and, in the case of bell and whistle buoys, calm water. The shape of an aid to navigation may be altered by ice formation or damage. The colour of an aid to navigation may be altered by freezing spray, marine growth or fouling by birds.

The buoy positions shown on nautical charts should be considered as approximate positions. There are a number of limiting factors in accurately positioning buoys and their anchors. These factors include prevailing atmospheric and sea conditions, tidal and current conditions, seabed conditions and the fact that buoys are moored to anchors by varying lengths of chain and may drift about their charted positions within the scope of their moorings.

Since moving ice is liable to move buoys from their advertised positions, mariners should proceed with extreme caution under these circumstances.

Mariners are reminded that because of differences in horizontal datum (i.e. NAD 27, NAD 83), grids of charts of an area may vary from one chart to another. When plotting the positions of aids to navigation by the latitude and longitude method, the results should be checked against other available information.

In some instances it is necessary to establish a buoy in close proximity to or on a navigational hazard (e.g. shoal, reef or ledge, etc.). In these instances the buoy symbol may be off-set slightly on the chart in the direction of the preferred navigable water so that the existing hazard depicted on the chart will not be overprinted by the buoy symbol. Such off-sets will be indicated on the chart by means of an arrow.

Mariners are cautioned not to navigate too closely to a buoy and risk collision with it, its mooring or with the underwater obstruction which it marks.

Many lights are equipped with sun switches. These lights, both on shore and on most buoys, are unlit between sunrise and sunset. Mariners unable to see these lights during the daylight hours should not assume that the equipment is malfunctioning.

Many light stations which exhibit a main light 24 hours per day are equipped with an emergency light which is brought into service automatically in the event of failure. These emergency lights are white, have a standard character of group flashing (6)15s and operate throughout the hours of darkness. Emergency lights are normally visible at 5 nautical miles on a dark night with a clear atmosphere. The *List of Lights, Buoys and Fog Signals* publications identify which aids to navigation are equipped with emergency lights.

PACIFIC COAST – List of Lights, Buoys and Fog Signals

Atmospheric conditions can have a considerable effect on light transmission and the visibility of lights. For example:

- (a) The distance to a light cannot be reliably estimated from its apparent brightness.
- (b) It is difficult to distinguish between a white light and a yellow or blue light seen alone at night, except at a short distance.
- (c) Under some atmospheric conditions white and yellow lights take on a reddish hue.
- (d) Alternating lights with phases of different luminous intensity may change their apparent characteristics at different distances because some phases may not be visible.
- (e) When observed from similar distances, lower intensity lights are more easily obscured by conditions of low visibility than more powerful lights. Coloured lights are often of lower intensity than white lights and are more quickly lost under unfavourable circumstances.
- (f) Ice, frost or moisture may form on the windows of lantern during cold weather and more particularly this may reduce their visibility and could cause coloured lights to appear white.
- (g) A light exhibiting a very short flash may not be visible at as great a range as a light exhibiting a longer flash.

The mariner should not rely solely on colour when using a sector light, but should verify the vessel's line of position by taking a bearing on the light. On either side of the line of demarcation, between white and red, and also between white and green, there is always a small arc of uncertain colour.

When the arc of visibility of a light is cut off by sloping land, the bearing at which it disappears or appears will vary with the observer's distance and height of eye.

The sighting of a light may be adversely affected by a strongly illuminated background.

In view of the varying distances at which a fog signal can be heard at sea, and the frequent occurrence of fog near, but not observable from, a fog signal, mariners are cautioned that:

- (a) When approaching land in fog, they should not rely implicitly upon these fog signals, but should always take soundings, which in nearly all cases will give sufficient warning of danger.
- (b) Distance from a fog signal should not be judged by the power of the sound. Under certain atmospheric conditions the sound may be lost at a very short distance from the signal. These conditions may vary within a very short period of time. Mariners should not assume that a fog signal is not in operation because they do not hear it, even when in close proximity.

Visual aids to navigation provided by the Canadian Coast Guard are for the purpose of assisting marine navigation. Hunters, snowmobilers and ice fishers are cautioned that aids to navigation installed for marine navigation purposes cannot be relied upon after the close of the marine navigation season. Such aids may stop operating without warning and will not be re-commissioned by the Canadian Coast Guard until the next opening of marine navigation season.

ABBREVIATIONS AND EXPLANATIONS

POSITION AND DESCRIPTION OF AIDS

The positions of all aids listed in this volume refer to the largest scale Canadian Hydrographic Service paper chart.

Information on position, characteristic, colour, visible range, bearings, and arcs of visibility is intended for practical use in navigation. It should not be used as a basis for surveys or other work requiring a high order of precision.

The geographical positions of the lights are approximate. The bearings are true and are given from seaward, except for fog signals, in degrees from 000° (North) to 359°, measured clockwise (unless otherwise indicated).

Emergency changes are covered by *Notices to Shipping* and the operation of the aid restored to normal as soon as possible.

PRIVATE AIDS

Aids which are identified by the words "Privately Maintained" are not owned by the federal government, a provincial government or a government agency. The Canadian Coast Guard (CCG) considers any aid owned by a municipal government to be private. Since their quality of operation may not be maintained to Canadian Coast Guard standards, the user should satisfy himself that the service provided by these aids is adequate for his intended purposes.

LIGHT CHARACTERISTICS

A light's characteristic is composed of:

1. RHYTHM - the sequence of intervals of light and darkness
2. COLOUR - the colour exhibited by the light
3. PERIOD - the time taken to complete one rhythm cycle (not applicable to fixed lights) e.g. a South Cardinal buoy light may display a characteristic of (Q(6) + LFI) W 15s -its rhythm, (Q(6) + LFI), is a group of 6 quick flashes followed by a single long flash its colour, W, is white the period of time this cycle is repeated 4 times per minute (every 15 seconds)

DAYMARKS

The Description column of the List of Lights describes the shape of daymarks for all lights. Should no shape of daymark be mentioned for range lights, it can be assumed that the daymarks are trapezoidal.

RADAR REFLECTORS

All lighted buoys reflect radar and thus radar reflectors on buoys are not mentioned in the "Remarks" column. Some shore lights have added radar reflectors to enhance their radar reflection and these are noted in the "Remarks" column.

THE CANADIAN AIDS TO NAVIGATION SYSTEM

The Canadian Aids to Navigation System is comprised of a mix of visual, aural and electronic aids to navigation. When used individually or in combination, they help the mariner to determine position and course, warn of dangers or obstructions and indicate the best or preferred route.

It is a combined lateral - cardinal system and conforms to the IALA (International Association of Lighthouse Authorities) Maritime Buoyage System, Region "B". Details of the Canadian aids to navigation system can be found in the publication *"The Canadian Aids to Navigation System"*, available authorized Canadian Hydrographic Service (CHS) Chart Dealers. For a complete list of authorized dealers, visit www.charts.gc.ca/

RADAR BEACONS (RACONS)

Radar beacons (Racons) may be established at lighthouses, on buoys or at other specific charted locations ashore or afloat, to enhance identification and detection range of these features by radar.

Some Racons operate only in the X band 9320-9500 MHz, whilst others are dual band X/S, "X" band plus "S" band of 2920-3100 MHz. It should also be noted that the slow sweep (SS) type of Racon will give a response every 72-120 seconds, whilst the frequency agile Racon (FAR) will respond more frequently.

The Racon signal appears on the radar display as a line commencing at the approximate range of the Racon and extending outwards along its line of bearing from the ship toward the limit of the display. The signal displayed may be a solid line or it may be broken into a code consisting of a series of dots and dashes as shown in relevant publications.

Radiobeacons and Radar beacons (Racons) shown in this volume are indicated at the nearest light. Complete information may be obtained from the appropriate volume of the publication *"Radio Aids to Marine Navigation"* or visit www.ccg-gcc.gc.ca/eng/ccg/mcts_radio_aids

ABBREVIATIONS AND EXPLANATIONS

DESCRIPTION OF COLUMNS

Column 1 - Indicates light list number of each aid

Column 2 - Name of aid

Column 3 - Location

Column 4 - Characteristic of light

***Column 5** - Focal height in metres above water

Column 6 - Nominal range

Column 7 - Description, height in metres

Column 8 - General remarks, fog signals and CHS No. of the largest scale paper chart of the area

Nota

* Elevations are expressed in metres above Higher High Water Large Tides except in the St. Lawrence River west of Trois-Rivières, in the St. Lawrence Seaway, in the Great Lakes and in other Inland waters where they are expressed in metres above chart datum.

NOMINAL RANGE

The nominal range of a light used as an aid to marine navigation is its luminous range in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles.

INTERNATIONAL NUMBERS

An international reference number is shown in *italics* under the regular List of Lights number against certain lights considered to be of international significance. The purpose of these numbers is to provide an easy method of identifying the lights when reporting by wireless, defects or changes in their advertised characteristics.

When reporting on lights, which do not have an international reference number, mariners are requested to identify them by List of Lights number and the name of the volume.

Canadian "*Notices to Mariners*" published monthly contain information which should be used to correct *Lists of Lights, Buoys and Fog Signals, Radio Aids to Marine Navigation, Sailing Directions* and Canadian charts. This is necessary for safe navigation and a legal requirement of the Canada Shipping Act. These Notices are available at: www.notmar.gc.ca/

ERRORS

Any error or omission which is detected herein should be immediately communicated to:

Leader, Notices to Mariners
Aids to Navigation
Navigation Systems
Canadian Coast Guard
200 Kent Street, Station 5N186
Ottawa, ON
K1A 0E6

ABBREVIATIONS AND EXPLANATIONS

FAILURE OF AIDS TO NAVIGATION

Mariners are requested to immediately report any failure of a marine aid to navigation to the nearest Canadian Coast Guard Office or to a Coast Guard Radio Station or Traffic Centre (see pages xvi to xviii) or to:

Leader, Notices to Mariners
Aids to Navigation
Navigation Systems
Canadian Coast Guard
200 Kent Street, Station 5N186
Ottawa, ON
K1A 0E6

PACIFIC COAST – List of Lights, Buoys and Fog Signals

ABBREVIATIONS AND EXPLANATIONS

CAUTION

Nomenclature and abbreviations for light flash characters have been introduced below. Abbreviations only are shown in the main body of this publication. Since changes in the abbreviations on hydrographic charts can only be accomplished over a number of years, mariners should refer to this table when relating light character information on the charts to that contained herein.

LIGHTS

		International	Old Form	Description
A	Fixed	F	F	A light which appears continuous.
B	Direction			A light illuminating a sector of very narrow angle and intended to mark a direction to be followed.
C	Range Lights			Two or more lights associated to form one or more leading lines (or ranges). A leading line defined by two such leading lights is called the axis of the lights.
D	Sector			A light presenting different characters (usually different colours) over various parts of the horizon of interest to marine navigation.
E	Rhythmic			A light showing intermittently with a regular periodicity.
	Flashing	Fl	Fl.	A light in which the flash is clearly shorter than the duration of darkness (eclipse) and in which the flashes of light are all of equal duration.
	Group-Flashing	Fl(3)12s	Gp.Fl.	Flashing light in which the flashes are combined in groups, each group including the same number of flashes, and in which the groups are repeated at regular intervals. The eclipses separating the flashes within each group are of equal duration and this duration is clearly shorter than the duration of the eclipse between two successive groups.
	Composite Group-Flashing	Fl(2+1)		A light similar to a group-flashing light except that successive groups in a period have different numbers of flashes.
	Equal-Interval (Isophase)	Iso	E.Int.	A light in which the alternations of light and darkness are of equal length.
	Occulting	Oc	Occ.	A light in which the flash is clearly longer than the duration of darkness (eclipse) and in which the intervals of darkness are all of equal duration.
	Group-Occulting	Oc (2) 20 s	Gp.Occ.	Occulting light in which the occultations are combined in groups, each group including the same number of occultations, and in which the groups are repeated at regular intervals. The intervals of light separating the occultations within each group are of equal duration and this duration is clearly shorter than the duration of the interval of light between two successive groups.
	Quick-Flashing	Q	Qk.Fl.	A light exhibiting rapid regular alternation of light and darkness.
	Very Quick	VQ		A light exhibiting very rapid regular alternations of light and darkness.
	Interrupted Quick-Flashing	IQ	Int.Qk.Fl.	Quick-flashing light in which the rapid alternations are interrupted at regular intervals by eclipses of long duration.
	Morse Code	Mo(A)	(Mo.A.)	A light in which flashes of different duration are grouped in such a manner as to reproduce a Morse character.
	Long Flash	LFl		A light exhibiting a flash of an extended period repeated at regular intervals.
F	Alternating	Al	Alt.	A rhythmic light showing light of alternating colours.

PACIFIC COAST – List of Lights, Buoys and Fog Signals

ABBREVIATIONS AND EXPLANATIONS

COMMON LIGHT FLASH CHARACTERS

In Canada, many fixed aids and all lighted buoys are equipped with lights that exhibit the following common flash characters. The publication "The Canadian Aids to Navigation System" gives detailed descriptions of all the characteristics of Aids to Navigation used in Canada.

ABBREVIATIONS

N	North	W	white
S	South	R	Red
E	East	G	Green
W	West	Y	yellow
m	Metre(s)	Bu	Blue
S	Second(s)	(U.S.)	United States
		(Fr.)	France

Name	Description	Light Flash Characteristics
Flashing	A light in which a 0.5 second flash is regularly repeated at a rate of 15 flashes per minute (one flash every 4 seconds) .5 sec. flash, 3.5 sec. eclipse	Fl 4s
Quick Flashing	A light in which a 0.3 second flash is regularly repeated at a rate of 60 flashes per minute (one flash every second) .3 sec. flash, .7 sec. eclipse	Q 1s
Very Quick Flashing	A light in which a flash is regularly repeated at a rate of 120 flashes per minute (a flash every 1/2 second) .2 sec. flash, .3 sec. eclipse	VQ .5s
Morse "A"	A light in which a 0.3 second flash is followed by a 0.6 second eclipse then one second long flash repeated at a rate of 10 times per minute (every 6 seconds) 0.3 sec. flash; 0.6 sec. eclipse 1.0 sec. flash; 4.1 sec. eclipse	Mo (A) 6s
Long Flash	A light in which a flash of 2 seconds duration is repeated at a rate of 6 flashes per minute (one flash every 10 seconds) 2.0 sec. flash; 8.0 sec. eclipse	LFI 10s
Group Flashing(2)	A light in which a group of 2 flashes is regularly repeated 12 times per minute (every 5 seconds) 0.4 sec. flash; 0.6 sec. eclipse 0.4 sec. flash; 3.6 sec. eclipse	FI (2) 5s
Group Flashing(2)	A light in which a group of 2 flashes is regularly repeated 6 times per minute (every 10 seconds) 1.0 sec. flash; 1.0 sec. eclipse 1.0 sec. flash; 7.0 sec. eclipse	FI(2) 10s

ABBREVIATIONS AND EXPLANATIONS

Name	Description	Light Flash Characteristics
Composite Group Flashing	A light in which a group of 2 flashes is followed by a single flash, the whole sequence being regularly repeated 10 times per minute (every 6 seconds) 0.3 sec. flash; 0.4 sec. eclipse 0.3 sec. flash; 1.2 sec. eclipse 0.3 sec. flash; 3.5 sec. eclipse	FI(2 +1) 6s
Composite Group Flashing	A light in which a group of 2 flashes is followed by a single flash, the whole sequence being regularly repeated 6 times per minute (every 10 seconds) 0.5 sec. flash; 0.7 sec. eclipse 0.5 sec. flash; 2.1 sec. eclipse 0.5 sec. flash; 5.7 sec. eclipse	FI(2 + 1) 10s
Group Quick Flashing(3)	A quick flashing light in which a group of 3 flashes is regularly repeated 6 times per minute (every 10 seconds) 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 7.7 sec. eclipse	Q(3) 10s
Group Very Quick Flashing(3)	A very quick flashing light in which a group of 3 flashes is regularly repeated 12 times per minute (every 5 seconds) 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 3.8 sec. eclipse	VQ(3) 5s
Group Quick Flashing(6) plus Long Flash	A light in which a group of 6 quick flashes is followed by a single long flash; the whole sequence being regularly repeated 4 times per minute (every 15 seconds) 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 2.0 sec. flash; 7.0 sec. eclipse	(Q(6) + LFI) 15 s
Group Very Quick Flashing(6) plus Long Flash	A light in which a group of 6 very quick flashes is followed by a single long flash, the whole sequence being regularly repeated 6 times per minute (every 10 seconds) 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse	(VQ(6) + LFI) 10 s

PACIFIC COAST – List of Lights, Buoys and Fog Signals

ABBREVIATIONS AND EXPLANATIONS

Name	Description	Light Flash Characteristics
Group Quick Flashing(9)	<p>A quick flashing light in which a group of 9 flashes is regularly repeated 4 times per minute (every 15 seconds)</p> <p>0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 0.7 sec. eclipse 0.3 sec. flash; 6.7 sec. eclipse</p>	Q(9) 15s
Group Very Quick Flashing(9)	<p>A very quick flashing light in which a group of 9 flashes is regularly repeated 6 times per minute (every 10 seconds)</p> <p>0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 0.3 sec. eclipse 0.2 sec. flash; 5.8 sec. eclipse</p>	VQ(9) 10s
Group Flashing(5)	<p>A light in which a group of 5 flashes is regularly repeated 3 times per minute (every 20 seconds)</p> <p>0.5 sec. flash; 1.5 sec. eclipse 0.5 sec. flash; 1.5 sec. eclipse 0.5 sec. flash; 1.5 sec. eclipse 0.5 sec. flash; 1.5 sec. eclipse 0.5 sec. flash; 11.5 sec. eclipse</p>	FI(5) 20s
Isophase	<p>A light in which the alterations of light and darkness are of equal length</p> <p>1.0 sec. flash; 1.0 sec. eclipse</p>	Iso 2s
Isophase	<p>A light in which the alterations of light and darkness are of equal length</p> <p>2.0 sec. flash; 2.0 sec. eclipse</p>	Iso 4s
Isophase	<p>A light in which the alterations of light and darkness are of equal length</p> <p>3.0 sec. flash; 3.0 sec. eclipse</p>	Iso 6s

TABLE OF DISTANCES

Table of Distances at which objects can be seen at sea, according to their respective elevations and the elevation of the eye of the observer.

Height in Metres	Distances in Nautical Miles	Height in Metres	Distances in Nautical Miles
2	2.9	40	13.1
3	3.6	45	13.9
4	4.2	50	14.7
5	4.6	55	15.4
6	5.1	60	16.1
7	5.5	70	17.4
8	5.9	80	18.6
9	6.2	90	19.7
10	6.6	100	20.8
12	7.2	120	22.8
14	7.8	140	24.6
16	8.3	160	26.3
18	8.8	180	27.6
20	9.3	200	29.4
25	10.4	250	32.9
30	11.4	300	36.0
35	12.3	350	38.9
		400	41.6

Example:

An observer whose eye is 12 metres above the water can see a light having an elevation of 40 metres above the water at a distance:

7.2 + 13.1 = 20.3 nautical miles.

CONVERSION TABLE FOR HEIGHTS AND DISTANCES

In metres to feet

Metres	Feet
1	3.2
2	6.5
3	9.8
4	13.1
5	16.4
6	19.6
7	22.9
8	26.2
9	29.5
10	32.8
20	65.6
30	98.4
40	131.2
50	164.0
100	328.0
200	656.1
300	984.2
400	1,312.3
500	1,640.4
1,000	3,280.8
2,000	6,591.6

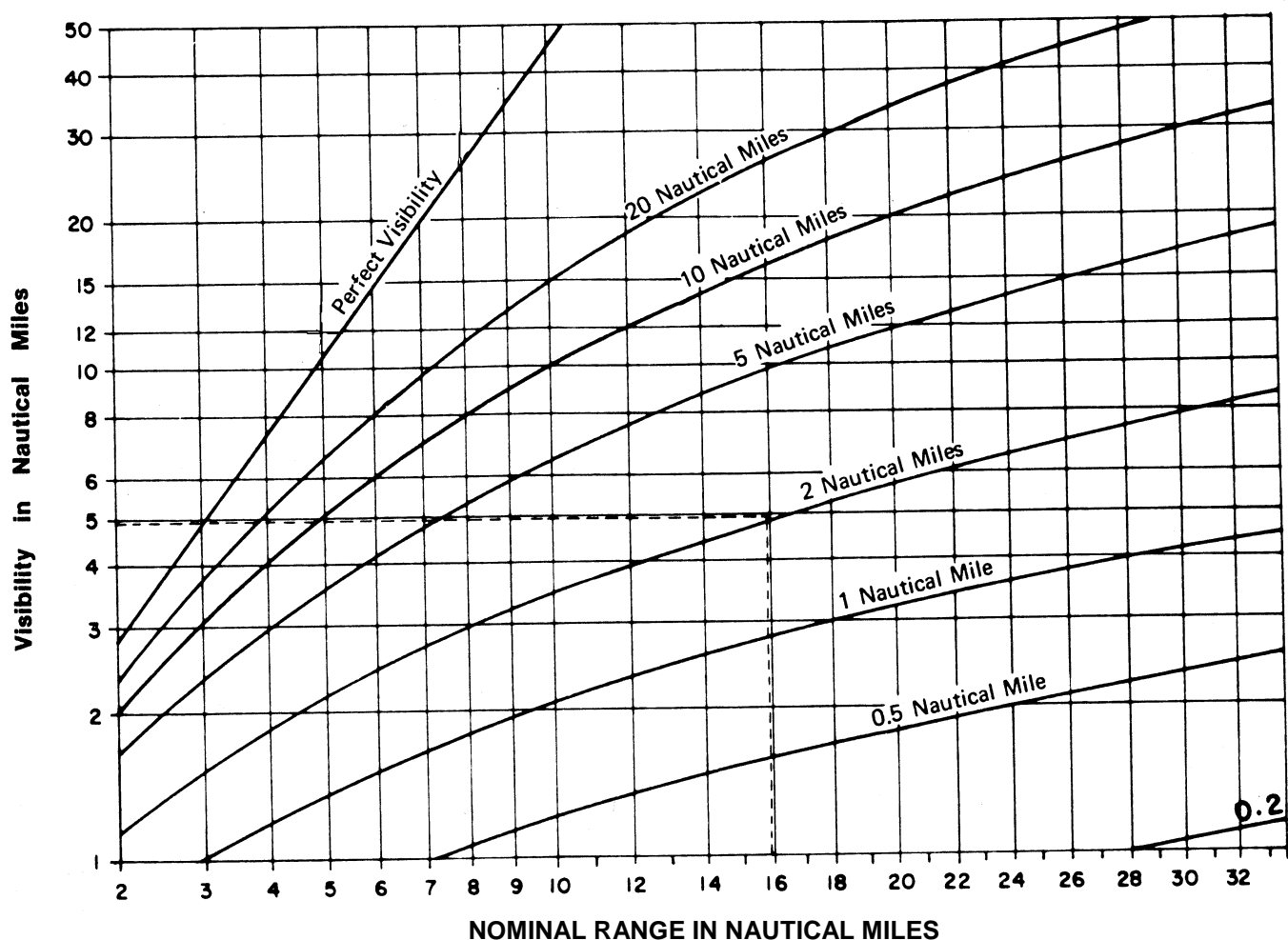
1 NAUTICAL MILE = 1852 metres

Note:

The following conversion factors may also be of assistance:

- a) multiply feet by 0.3048 to obtain metres
- b) divide metres by 0.3048 to obtain feet

NOMINAL RANGE DIAGRAM



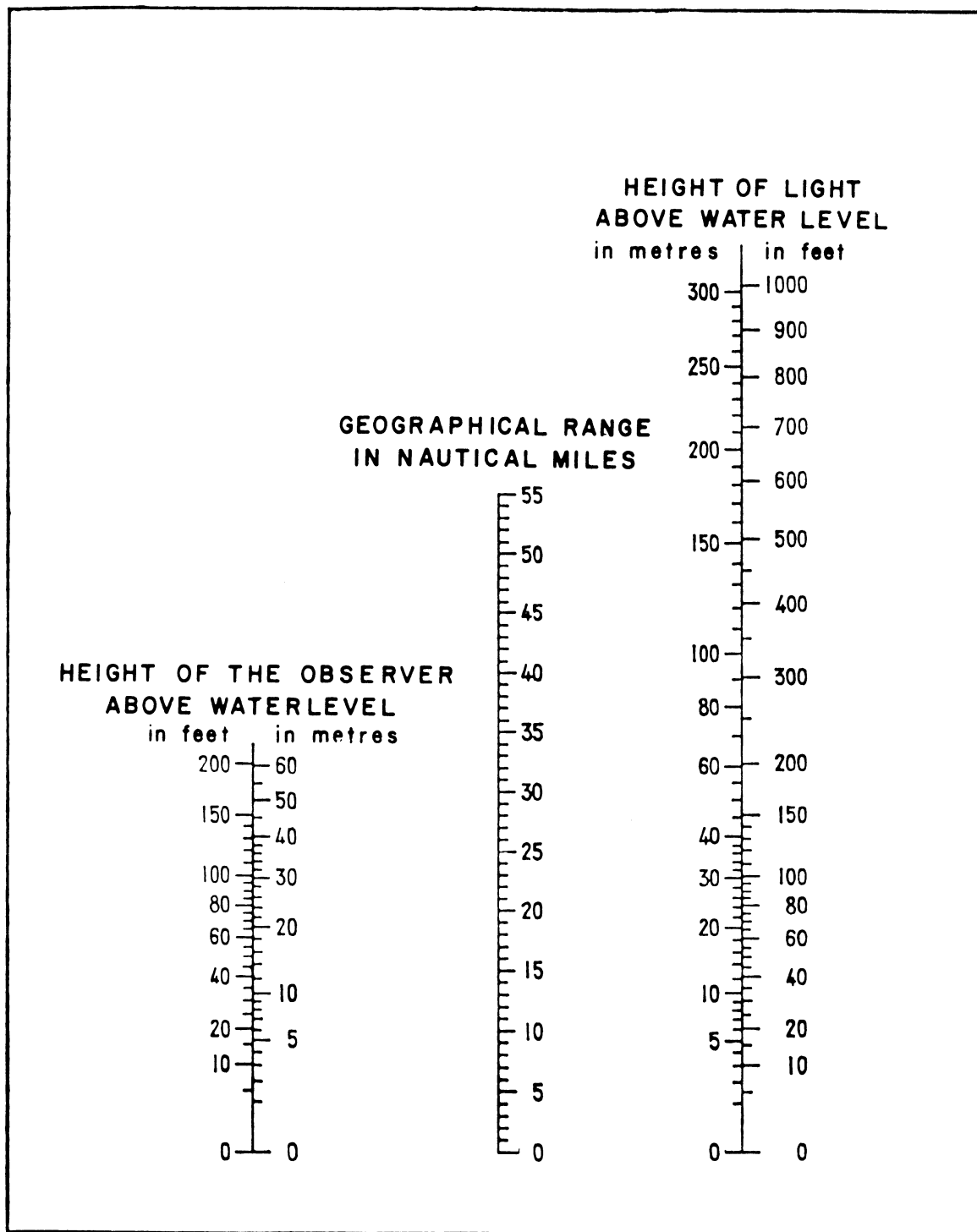
The light list in column 7 gives the nominal range of each lightstation optic where there is sufficient light to be seen 2 nautical miles or more when the meteorological visibility is 10 nautical miles.

When the mariner obtains the meteorological visibility from the weather report, he can find the distance the light can be seen at night from the nominal range diagram.

Example: The light list gives the nominal range 16 nautical miles. The weather report gives the meteorological visibility 2 nautical miles. The point on the bottom of the diagram marked 16 is followed upwards until it intersects the curve marked 2 nautical miles. Follow that height horizontally to the left margin to find that the visibility of the light is 5 nautical miles.

Caution: The nominal range diagram is correct when the meteorological visibility is the same in the whole of the distance between the ship and the lighthouse. Conditions occur when this may not be true.

Nomogram



By using the above Nomogram a geographical range can be determined by placing a straightedge against the height of the respective light and the height of the observer above water level.

CANADA

REQUIREMENT RELATED TO THE PROTECTION OF AIDS TO NAVIGATION

CANADA SHIPPING ACT, 2001

PART V, CHAPTER 26, SECTION 129

Obligation to report damage

129. (1) If a vessel, or anything towed by a vessel, runs down, moves, damages or destroys an aid to navigation in Canadian waters, the person in charge of the vessel shall, without delay, make a report to a marine communications and traffic services officer or, if that is not feasible, to an officer of the Canadian Coast Guard.

Obligation to report — navigation hazard

- (2) A person in charge of a vessel in Canadian waters who discovers an uncharted hazard to navigation, or discovers that an aid to navigation is missing, out of position or malfunctioning, shall make a report without delay to a marine communications and traffic services officer or, if that is not feasible, to an officer of the Canadian Coast Guard.

Criminal Code

Section 439 of the *Criminal Code of Canada* provides:

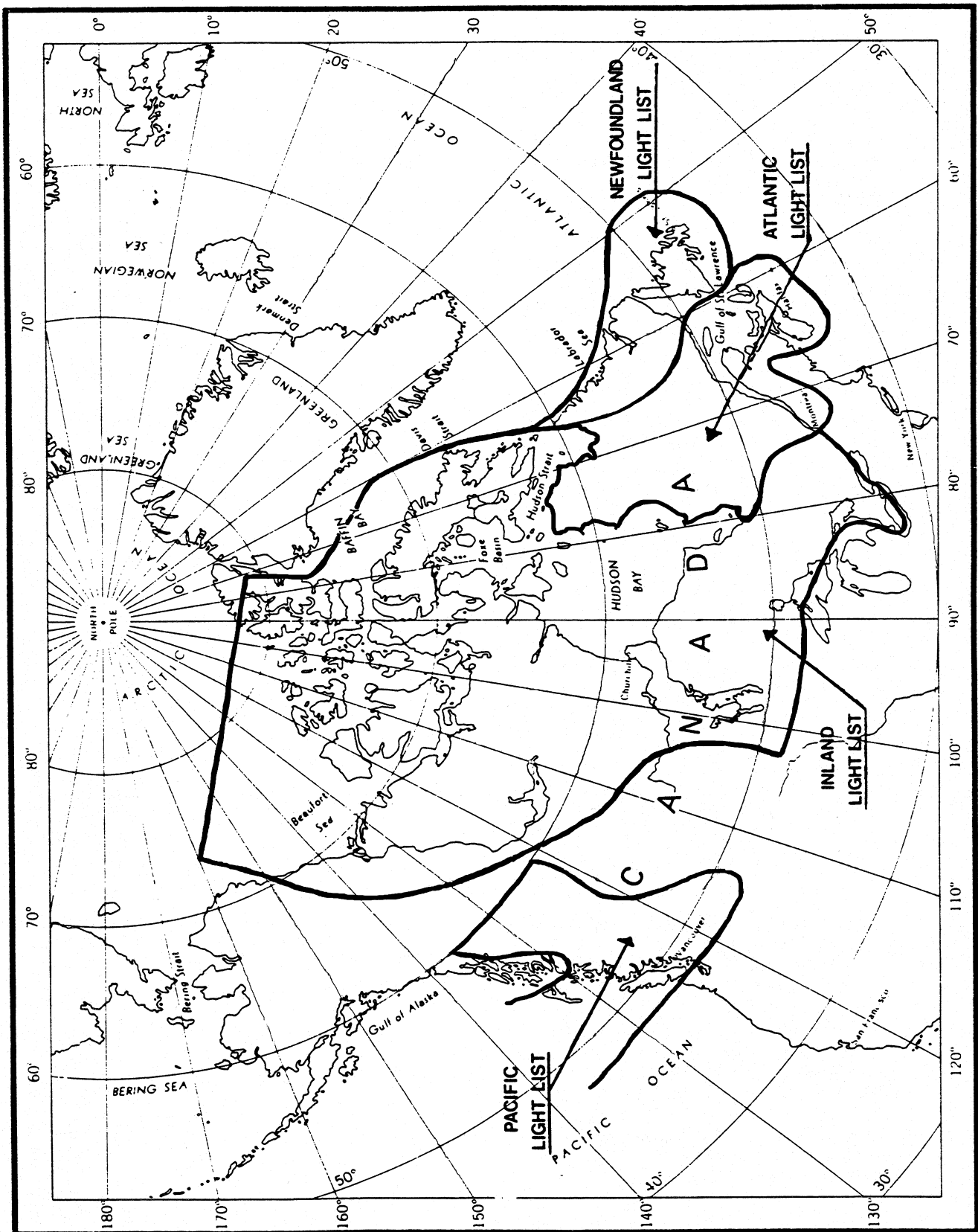
- * 439.(1) Everyone who makes fast a vessel or boat to a signal, buoy or other seamark that is used for purposes of navigation is guilty of an offence punishable on summary conviction.

The penalty is a fine of not more than \$2,000.00 or six months imprisonment or both.

- (2) Everyone who wilfully alters, removes or conceals a signal, buoy or other seamark that is used for purposes of navigation is guilty of an indictable offence and liable for imprisonment for a term not exceeding ten years.

Authority: Canada Shipping Act, 2001

PACIFIC COAST – 2010 – List of Lights, Buoys and Fog Signals



LIMITS OF LIGHT LISTS

PACIFIC COAST – 2010 – List of Lights, Buoys and Fog Signals

CANADIAN COAST GUARD AIDS TO NAVIGATION OFFICES

- (B)** Service is available in French and English
(E) Service is available in English only
(TF) Toll Free
(H/N) Holidays and Nights

ADDRESS		JURISDICTIONS
NEWFOUNDLAND AND LABRADOR REGION:		
ST. JOHN'S, NL	SUPERINTENDENT AIDS TO NAVIGATION P.O. BOX 5667 St. John's, NL A1C 5X1 Tel.: 1 (709) 772-5195 or 1 (709) 772-2800 (E)	Province of Newfoundland and Labrador
Traffic Centre	1 (709) 772-2083 or 1 (709) 772-2084 (H/N)	
MARITIMES REGION:		
REGIONAL OPERATIONS CENTRE:	Tel.: 1 (902) 426-6030 (B)(H/N)	
DARTMOUTH, NS	REGIONAL DIRECTOR P.O. Box 1000 Dartmouth, NS B2Y 3Z8 Tel.: 1 (902) 426-3907 (B)	
CHARLOTTETOWN, PE	SUPERVISOR AIDS TO NAVIGATION OPERATIONS P.O. Box 1236 Charlottetown, PE C1A 7M8 Tel.: 1 (902) 566-7936 (B)	PEI, East Coast of NB to Québec Border, on Southeastern shore of Nova Scotia from Liscomb East, Cape Breton and North shore of Nova Scotia in Northumberland Strait
NOTSHIPS	1-800-686-8676 (B) (TF)	
DARTMOUTH, NS	SUPERINTENDENT AIDS TO NAVIGATION P.O. Box 1000 Dartmouth, NS B2Y 3Z8 Tel.: 1 (902) 426-3151 (B)	From Cape Sable, NS to Cape St. Lawrence, Bras D'Or Lake, Strait of Canso, North of Causeway, St. Paul and Sable Island, NS
NOTSHIPS	1-800-686-8676 (B) (TF)	
SAINT JOHN, NB	SUPERVISOR AIDS TO NAVIGATION OPERATIONS P.O. Box 700 Saint John, NB E2L 4B3 Tel.: 1 (506) 636-4703 (E)	Coastal Waters of the Bay of Fundy from the International Maine Boundary to Cape Sable, NS, Saint John River System
NOTSHIPS	1-800-686-8676 (B) (TF)	

PACIFIC COAST – 2010 – List of Lights, Buoys and Fog Signals

CANADIAN COAST GUARD AIDS TO NAVIGATION OFFICES

- (B)** Service is available in French and English
(E) Service is available in English only
(TF) Toll Free
(H/N) Holidays and Nights

	ADDRESS	JURISDICTIONS
QUÉBEC REGION:		
QUÉBEC, QC	SUPERINTENDENT AIDS TO NAVIGATION 101, boul. Champlain Québec, QC G1K 7Y7 Tel.: 1 (418) 648-3574 (B)	Gulf and River St. Lawrence on the North and South shores from Grondines to Labrador Border and from, Pointe Langlois to New Brunswick Border, Inland Waters that drain into River and Gulf, Hudson Bay and Strait St. Lawrence River from Beauharnois to Grondines, Richelieu River to US Border, Ottawa River to Ottawa, Inland Waters that drain into St. Lawrence, Ottawa and Richelieu Rivers.
AIDS TO NAVIGATION SECTOR	Fax: 1 (418) 649-6690	
E-mail:	aidesnavquebec@dfo-mpo.gc.ca	
ALERT NETWORK	Tel.: 1 (418) 648-4366 (B) (H/N) 1-800-363-4735 (B) (H/N) (T/F)	
CENTRAL AND ARCTIC REGION:		
SARNIA, ON	ASSISTANT COMMISSIONER 520 Exmouth Street Sarnia, ON N7T 8B1 Tel.: 1 (519) 383-1800 (E)	
Operations Centre	1 (519) 383-1841 (H/N) 1-800-265-0237 (B)(H/N)(TF) Regional Superintendent Aids to Navigation Tel.: 1 (519) 383-1859 (E)	
PRESCOTT, ON	SUPERVISOR AIDS TO NAVIGATION P.O. Box 1000 Prescott, ON K0E 1T0 Tel.: 1 (613) 925-2865 (E)	
NOTSHIP:	Tel.: 1 (613) 925-0666 (B)	

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	ADDRESS	JURISDICTIONS
CENTRAL AND ARCTIC REGION:		
PARRY SOUND, ON	SUPERVISOR AIDS TO NAVIGATION 28 Waubeek Street Parry Sound, ON P2A 1B9 Tel.: 1 (705) 746-2196 (E)	
HAY RIVER, NT	SUPERVISOR AIDS TO NAVIGATION 42037 Mackenzie Highway Hay River, NT X0E 0R9 Tel.: 1 (867) 874-5500 (E)	
PACIFIC REGION:		
VANCOUVER, BC	DIRECTOR MARINE SERVICES 200 – 401 Burrard Street Vancouver, BC V6C 3S4 Tel.: 1 (604) 775-8852 (E) 1 (604) 666-6012 (B) (H/N)	Northern Portion of BC Coast from Cape Caution to International Boundary at the North Queen Charlotte Islands
VICTORIA, BC	SUPERINTENDENT AIDS TO NAVIGATION 25 Huron Street Victoria, BC V8V 4V9 Tel.: 1 (250) 480-2600 (E) 1-800-667-2179 (TF)	From International Boundary on the South to Cape Caution, Vancouver Island, Inland Waters of British Columbia
E-mail:	CCGBaseVICMNS@pac.dfo-mpo.gc.ca	