



WESTERN EDITION OF NOTICES TO MARINERS

Published monthly by the

CANADIAN COAST GUARD

NOTICES

700 to 773

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Marine Navigation Services
Directorate
Marine Aids

RECYCLED PAPER

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

NOTICE TO USERS

NEW NUMBERING SYSTEM FOR THE MONTHLY EDITION

Beginning with Edition 1 of 1998, the monthly editions of Notices to Mariners will now be numbered in blocks of 199. As an example, Edition 1 will be numbered from 100 to 299, Edition 2 from 300 to 499, etc. This administrative measure is necessary in order to allow our Information Section to publish any last minute Notices. Please note, that all numbers will not necessary be used.

EXPLANATORY NOTES

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

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

Visibility of lights is that in clear weather.

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

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

Original Canadian Information - A star (*) adjacent to the Notice number indicates that this notice is based on original Canadian information.

Distances may be calculated as follows:

1 nautical mile	= 1 852 metres (6,076.1 feet)
1 statute mile	= 1 609.3 metres (5,280 feet)
1 metre	= 3.28 feet

Temporary & Preliminary Notices are indicated by a (T) or a (P) after the Notice number. Nautical charts and publications are not hand amended for Temporary (T) and Preliminary (P) Notices to Mariners. Listings of Charts Affected by Temporary and Preliminary Notices to Mariners are revised and promulgated quarterly, in Section I. Reference should be made to the latest published listing and to the monthly editions of Notices to Mariners published subsequently.

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 *Notices to Mariners*.

Monthly edition of Notices to Mariners - *Notices to Mariners* are issued free of charge on a monthly basis. Mariners now have a choice between specific *Regional* issue(s) they wish to receive. Requests to be placed on or removed from the mailing list should be made by using the form inserted on page *xi* 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.

DGPS INITIAL OPERATIONAL SERVICE

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

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

Although the service is IOS, users may experience service interruptions without advance notice. Further, CCG advises that IOS DGPS broadcasts should not be used under any circumstances where a sudden system failure or inaccuracy could constitute a safety hazard. Following a one year verification period, the DGPS service will be declared as being a Full Operational Service (FOS).

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

Table of Stage 1 DGPS Reference Stations					
Station Name	Id Nos of Ref. Stations	DGPS Station ID	Geogr. Pos. Latitude Longitude	Frequency [khz]	Bits/sec.
Alert Bay BC	300,301	909	50 35 N 126 55 W	309	200
Amphitrite Pt BC	302,303	908	48 55 N 125 32 W	315	200
Cardinal ON	308,309	919	44 47 N 75 25 W	306	200
St. Jean Richelieu QUÉ	312,313	929	45 19 N 73 18 W	296	200
Lauzon QUÉ	316,317	927	46 48 N 71 09 W	309	200
Partridge Island NB	326,327	939	45 14 N 66 03 W	295	200
Pt. Escuminac NB	332,333	936	47 04 N 64 47 W	319	200
Fox Island NS	336,337	934	45 19 N 61 04 W	307	200
Cape Race NFLD	338,339	940	46 39 N 53 04 W	315	200
Cape Ray NFLD	340,341	942	47 34 N 59 09 W	290	200

DGPS USER ALERT

Currently, ten Phase 1 DGPS stations are providing Initial Operational Service (IOS) which was declared by Regional Notices to Mariners issued in September 1996. Another eight DGPS stations will be installed in 1997. Extensive validation of operational performance is being conducted throughout 1997. Full Operational Service (FOS) will follow after successful validation.

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

Apart from this, no major difficulties with DGPS implementation have been experienced to date nor are any expected in the future.

DISCREPANCY REPORT FOR DGPS USERS.

The Canadian Coast Guard is currently implementing the Differential Global Positioning System in Canada. In August 1996, 10 DGPS stations were announced as providing an Initial Operational Service (IOS). Eight (8) additional DGPS stations will be implemented in the fall of 1997.

Following a service validation period, it is expected that the DGPS service will be announced as providing a Full Operational Service (FOS) in December 1997. The fully operational DGPS service is expected to meet the advertised Levels of Service standards and all service guarantees will be provided with FOS.

Throughout the service validation period, the Coast Guard will be conducting numerous tests of the differential service. To assist the Coast Guard in this validation testing, mariners are requested to complete the attached anomaly report. Please take note of any DGPS service anomalies you experience and forward the completed form to the Director Marine Aids, 344 Slater Street, 6th floor, Ottawa, Ontario, K1A 0E6.

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

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

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

User informations / Renseignements sur l'utilisateur

Vessel name / Nom du navire: _____ Destination: _____
Vessel position at the beginning of the anomaly /
Position du navire au début de l'anomalie : _____
Vessel position at the end of the anomaly /
Position du navire à la fin de l'anomalie : _____

Anomaly report / Rapport d'anomalie

Date and time of the anomaly / Date et heure de l'anomalie: _____ Duration / Durée: _____
Number of satellites tracked on GPS receiver / Nombre de satellites reçu par le récepteur: _____
DGPS site using / Station DGPS utilisée: Freq.: _____ kHz SS: _____ dB SNR: _____ dB
DOP Geometry / Géométrie DOP : _____
User receiver operates correctly with other DGPS sites? /
Votre équipement DGPS fonctionne-t-il normalement à l'utilisation d'autres stations DGPS?: Yes/ Oui _____
No / Non _____
Comments / Commentaires: _____

Point of contact / Personne-ressource: Name/ Nom: _____
Phone / Téléphone : _____

Weather conditions / Conditions météo

Winds / Vents : Direction: _____ Speed / Vitesse: _____ KTS
Temp. °C: _____ VIS: _____ N.M.
Sea State / État de la mer : _____
Bearing and range to electrical storm /
Direction et distance de l'orage : _____
Time of the storm / Heure de l'orage: _____ UTC

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

User equipment informations / Renseignements sur l'équipement

GPS receiver / Récepteur GPS: Make / Fabricant: _____ Model: _____

DGPS beacon receiver / Démodulateur DGPS: Make / Fabricant : _____ Model: _____
 Gyro interface with GPS / Gyro intégré avec le GPS? Yes / Oui : _____ No / Non : _____
 DGPS interfaced with an ECDIS / DGPS intégré dans un SVCEI? Yes / Oui: _____ No / Non : _____
 If yes, please fill below / Si oui, S.V.P. compléter ci-dessous:
 ECDIS / SVCEI: Make / Fabricant: _____ Model: _____
 Radar image interfaced / Image radar intégrée?: Yes / Oui: _____ No / Non: _____
 Gyro interfaced with ECDIS / Gyro intégré avec SVCEI? Yes / Oui: _____ No / Non: _____
 Permanent installation or in evaluation / Installation permanente ou en évaluation : _____

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

- 1) Fax / Par télécopieur : 613-998-2428 attention AWAD.
- 2) Mail / Par la poste: Director Marine Aids
344 Slater Street, 6 th floor
Ottawa, Ontario
K1A 0E6

Canada

**Legend/
Légende**

Position : Position can be provided by latitude, longitude, bearing and distance, location of a buoy, etc.
La position peut être donnée en latitude, longitude, relèvement et distance, emplacement de bouée, etc.

KTS : Wind speed in knots / Vitesse du vent en noeuds.

N.M. : Visibility in Nautical Miles / Visibilité en milles nautiques.

Freq. kHz : Frequency in kilohertz / Fréquence en kilohertz .

SS : Signal strength in decibel / Force de signal en décibel.

SNR : Signal to noise ratio in decibel / Rapport signal-bruit en décibel .

DOP (dilution of precision): Measure of the geometrical «strength » of the GPS satellite configuration. The DOP is measured on a scale of 1 to 10 / Mesure de la «force » géométrique de la configuration satellite. Le DOP est mesuré sur une échelle de 1 à 10

SVCEI / ECDIS : Electronic Chart Display and Information System / Système de Visualisation de Cartes Electroniques et d'Information .

IMPORTANT NOTICE TO USERS

The Canadian Coast Guard Marine Aids Modernization Program

- The Canadian Coast Guard is initiating an aids to navigation modernization program which takes advantage of modern technology and will result in a more equitable, safe, cost-effective and environmentally friendly service across Canada. Low maintenance buoys, solar power, the elimination of diesel power and the application of national provision and design standards, will be used to realize these objectives.
- In consultation with local users, aids to navigation which are redundant, exceed the national standards or should not be publicly funded, will be downsized, privatized or discontinued.
- Regional plans as well as detailed Notices to Shipping and Notices to Mariners will be issued and distributed in the usual manner in advance of all changes to aids to navigation. All users are encouraged to participate in local consultations and to monitor these Notices. It will be every user's responsibility to adapt to the changes and to take the appropriate measures.

1. Redundant Aids to Navigation

Many conventional aids to navigation were established for commercial mariners who now use radar. As a result these users no longer require as many landfall shore lights, large lighted buoys and fog signals and support their discontinuance.

However, before these commercially redundant marine aids are removed, the Coast Guard is assessing, where required, the local needs of small craft operators and redesigning the old commercial aids to meet these needs within national provision policies and design standards.

Coast Guard policy does not provide for the retention of fog horns for pleasure craft, due to the high cost to provide such a service across Canada. However, where practical and where there is local support, the existing redundant fog horns are being transferred to local authorities at no cost.

The conversion of lightstations to solar power allows major economic and environmental benefits by allowing removal of fuel tanks and diesel generators. Although this eliminates the need for many structures, the Coast Guard will protect all heritage lightstations through continued operation or transfer to provincial, municipal or other authorities for local use.

2. Aids to Navigation Standards

In consultation with local users, all aids to navigation systems across Canada are under review. National system design standards will be used to assess these systems. Systems that do not meet these standards will be upgraded; those systems that exceed them will be downsized.

Adjustments in some channels will result in an increase or a decrease in the number of buoys and/or the conversion of some lighted buoys to unlighted buoys displaying reflective material.

3. Private Aids to Navigation

Although Coast Guard policy does not provide for the establishment of aids to navigation in inadequately charted waters, or where the traffic volume does not justify the cost of the system, some have been established in the past. These aids to navigation will be transferred to local authorities at no cost, with Coast Guard retaining design and regulatory authority under the *Private Buoy Regulations*

NEW INITIATIVES

The Canadian Coast Guard is also introducing a new differential correction service to augment the satellite-based Global Positioning System (GPS), with 18 transmitting stations fully operational in 1998.

This Differential Global Positioning System (DGPS), will improve the accuracy and integrity of GPS and will enable mariners who are equipped with the appropriate receivers to identify their precise position in most major southern Canadian waters, including the Great Lakes and the St. Lawrence River.

The use of DGPS in conjunction with Electronic Chart Display and Information Systems (ECDIS), will greatly improve navigation accuracy. The expanding use of this new technology is expected to increase marine safety and thus provide greater environmental protection to Canadian waters. It is also believed that implementation of DGPS will allow further adjustment to conventional aids in the future.

All mariners and shipowners are encouraged to equip their vessels with GPS receivers which have the capability to receive the Differential signals, particularly where there is frequent risk of reduced visibility.

The Canadian Coast Guard believes that the availability of GPS, particularly when augmented by the Differential service, will make Loran C obsolete. Consultations are underway to assess the impact of discontinuing Loran C in Canada.

CENTRAL & ARCTIC REGION

The Canadian Coast Guard is planning to further modernize its marine aids to navigation service. Changes will include adjusting all service levels to national standards between 1997 and the year 2000 and reducing some conventional aids services based on the availability of the Global Positioning System, Differential Global Positioning System (DGPS) and the Electronic Chart Display Information System (ECDIS). The new electronic systems will supplement the remaining conventional aids system, permitting continued maintenance of a safe service at lower cost.

Implementation of the following changes will begin within Coast Guard Central and Arctic region on April 1, 1997.

MEASURES
1) Upgrading DGPS sites at Cardinal and Wiarton to Initial Operating Service to provide, with the United States Coast Guard, to provide complete coverage of the Great Lakes/St. Lawrence Seaway by December 1997.
2) Removal or divestiture of 700 floating and fixed aids to navigation in the Athabasca River System.
3) Removal of approximately 20 floating aids in the Western Arctic in Simpson Strait, Cambridge Bay, Gjoa Haven and Spence Bay.
4) Privatization of 30 buoys in the Napanee River and approximately 120 fixed and floating aids to navigation in Northern Ontario due to uncharted or inadequately charted waters .
5) Removal or divestiture of approximately 30 reference or wharf-lights in conjunction with Small Craft Harbours, or Ports and Harbours Canada initiatives.
6) Conversion of approximately 20 lighted buoys to unlighted buoys in pleasure craft channels.
7) Removal of 50 floating aids to navigation in commercial channels.
8) Divestiture of 1 light house and associated property.
9) Removal or transfer of 14 fog horns on Lake Superior.
10) Removal or downsizing of 31 large lighted floating aids to navigation on the Great Lakes.

Over the next year, more detailed information concerning each of these proposed changes will be provided in each region or geographic area by Notices to Shipping and Notices to Mariners, allowing users time to comment prior to finalizing planned changes. Further Notices to Shipping and Notices to Mariners will also be issued at the time of all changes.

Mariners and representatives of user groups wishing to provide comments or recommendations on this or any subsequent notice may write to:

Superintendent Marine Aids Program
Central and Arctic Region
201 Front Street North, Suite 703
Sarnia, Ontario, N7T 8B1
Telephone (519)383-1816
Facsimile (519)383-1995

MONTHLY EDITION OF NOTICES TO MARINERS

MAILING LIST CHANGES

Director General,
Marine Navigation Services Directorate,
Canadian Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario,
K1A 0E6

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

Please indicate which edition you would like to receive.

EASTERN EDITION (will be comprised of Arctic, Newfoundland, Maritimes, Gulf & River St. Lawrence and Central areas) _____

WESTERN EDITION(will be comprised of Arctic and Pacific areas) _____

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**LIST OF CHARTS AFFECTED BY (T) AND (P) NOTICES
IN EFFECT MARCH 27, 1998
(Revised and promulgated quarterly)
(Reference: Notice 125/98 cancelled)**

CHARTS**(T) and (P) NOTICES**

L/C 3000	684(T)/93, 279(T)/94, 301(T)/94, 303(T)/94
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3312	784(P)/92
3313	967(T)/85, 572(T)/92
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3442	528(P)/98
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3663	814(P)/96
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6311	738(P)/96, 751(P)/96
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7371	634(P)/96
7740	847(P)/89

(AMA8035-10-1)

(CCG-H98-011)

***700 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 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 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 print 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 accompanying list is a listing of the dates of current chart editions up to monthly edition 03 of 1998 (**The asterisk indicates changes since Monthly edition 1,1997**). Please refer to the Monthly Notices to Mariners for detail.

Chart Number	Cat	Edition Date	Reprint Date	Chart Number	Cat	Edition Date	Reprint Date
1	NE	05-JAN-96		2023	NE	01-MAR-85	24-MAR-95
1202	NE	13-NOV-81	20-MAY-94	2024	NE	29-MAR-85	16-DEC-94
1203	NE	04-JAN-85	10-FEB-95	2025	NE	01-MAR-85	28-MAY-93
1209	NE	14-DEC-84	02-AUG-96	2026	NE	05-APR-85	15-DEC-95
1220	NE	28-FEB-97		2028	NE	20-MAR-87	15-FEB-91
L/C 1221	NE	27-DEC-91		2029	NE	20-MAR-87	08-MAY-92
* 1223	NE	03-OCT-97		2042	NE	07-OCT-94	
1226	NC	27-MAY-83	03-MAY-91	2043	NC	29-NOV-68	26-MAR-82
1229	NE	31-DEC-76	15-DEC-95	2044	NC	28-FEB-97	
1230	NE	29-FEB-80	10-FEB-89	2047	NC	07-APR-95	
1233	NE	18-MAY-84	03-JAN-97	2048	NC	11-OCT-91	
L/C 1234	NE	02-JUL-93	20-OCT-95	2049	NC	10-MAY-85	
L/C 1235	NE	25-APR-97		2050	NC	10-MAY-85	
L/C 1236	NE	01-MAR-96		2053	NC	10-MAY-85	
1260	NC	04-JAN-91		2054	NC	10-MAY-85	
1310	NC	11-MAR-94	03-MAY-96	2055	NC	05-JUL-91	
1312	NC	05-APR-96		L/C 2058	NE	16-JUN-89	
1313	NE	27-JUN-97		L/C 2060	NE	28-JUN-85	01-JUL-94
1314	NC	18-OCT-85	01-MAR-96	2061	NE	18-MAR-77	13-JAN-89
1315	NE	05-JUL-96		L/C 2064	NE	10-FEB-89	05-MAY-95
1316	NE	07-FEB-97		2067	NE	01-NOV-85	15-FEB-91
1317	NE	07-JUN-96		2069	NE	04-MAR-83	14-OCT-88
1338	NE	05-APR-96		2070	NE	29-APR-83	
1339	NE	19-AUG-83	03-JAN-97	L/C 2077	NE	25-AUG-95	
1350	NC	06-JUL-84	25-MAR-94	2085	NE	22-JUN-90	08-APR-94
1351	NC	21-SEP-84	11-AUG-95	2086	NC	09-JUN-89	03-APR-92
1361	NC	28-MAY-76	01-MAR-96	L/C 2100	NE	15-MAY-87	02-APR-93
1400	NE	26-AUG-88		L/C 2110	NE	15-MAY-87	25-DEC-92
1409	NE	27-JUN-97		L/C 2120	NE	27-MAR-87	06-MAR-92
1410	NE	04-OCT-96		L/C 2121	NC	18-DEC-87	
1411	NE	02-AUG-96		L/C 2122	NE	05-JUL-91	05-APR-96
1412	NE	13-JAN-84	05-JUL-96	L/C 2123	NE	12-MAR-93	04-APR-97
1413	NE	21-AUG-87	05-JUL-96	2140	NC	16-SEP-88	
1414	NE	01-JUN-84	24-FEB-95	2165	NC	08-MAR-91	
1434	NC	01-MAR-96		2181	NE	10-NOV-89	
1435	NC	15-DEC-95		L/C 2200	NE	01-MAY-87	17-APR-92
1436	NC	15-JAN-93	03-JAN-97	L/C 2201	NE	21-SEP-84	25-FEB-94
1437	NC	19-MAR-93	30-MAY-97	2202	NE	04-APR-86	10-MAR-95
1438	NE	06-OCT-95		2203	NE	07-OCT-88	13-NOV-92
1439	NE	22-FEB-91	07-FEB-97	2204	NE	06-MAY-83	12-FEB-93
1509	NC	18-MAY-90	27-JUN-97	2205	NE	18-DEC-87	06-MAR-92
* 1510	NE	23-JAN-98		2206	NC	27-JUN-97	
1511	NE	03-APR-81	23-APR-93	2212	NC	24-FEB-95	
1512	NE	03-AUG-84	09-OCT-92	2213	NC	24-FEB-95	
1513	NE	07-JUN-96		2214	NC	07-OCT-94	
1550	NE	05-JAN-96		2215	NC	12-AUG-94	
1551	NE	27-JUN-86		2218	NC	13-APR-84	
1552	NC	14-SEP-79	28-MAY-93	2221	NE	07-JUN-96	
1553	NC	15-FEB-80	21-APR-95	2222	NC	13-APR-84	
1554	NE	16-SEP-88	15-AUG-97	2223	NC	13-APR-84	
1555	NC	12-OCT-79		2225	NE	08-MAR-91	11-JUL-97
L/C 2000	NE	08-SEP-89		2226	NE	22-NOV-91	
2006	NE	03-JUL-87	16-FEB-90	L/C 2228	NC	16-FEB-90	
2007	NE	10-SEP-82	09-SEP-94	2235	NE	06-FEB-87	30-DEC-94
2011	NC	08-JUL-88		2239	NE	08-MAR-85	01-MAR-96
2017	NC	13-JUL-90		L/C 2243	NE	30-AUG-85	08-APR-94
2018	NC	22-JUN-90		L/C 2244	NE	24-JUL-87	16-JUN-95
2021	NE	25-JUN-93		L/C 2245	NE	06-JUN-86	05-APR-96
2022	NE	02-AUG-96		2250	NC	09-MAY-86	

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2251	NC	11-APR-86	26-JUN-92	3440	NE	11-MAR-83	15-OCT-93
2257	NE	02-NOV-84	07-JUN-96	3441	NE	12-AUG-88	06-DEC-96
2258	NE	16-JUN-89	05-APR-96	3442	NE	03-JUN-88	06-DEC-96
2259	NE	15-JUN-62	02-JUL-93	* 3443	NE	30-JAN-98	
2260	NE	13-JUN-86	05-APR-91	3457	NE	29-DEC-89	
2261	NE	13-JUN-86	21-APR-95	3458	NE	10-MAR-95	
2266	NC	22-JUN-84		3459	NE	24-OCT-97	
2267	NC	22-JUN-84		L/C 3461	NC	06-JAN-84	02-DEC-94
2268	NE	31-MAR-89	06-MAY-94	L/C 3462	NC	13-JUL-84	27-AUG-93
2273	NC	13-OCT-55	22-AUG-75	L/C 3463	NE	03-OCT-97	
2274	NE	08-JUN-90		3473	NE	13-FEB-87	04-DEC-92
2282	NE	07-JUN-96		3475	NE	27-MAY-88	02-JUL-93
L/C 2284	NE	27-OCT-89	07-JUN-96	3476	NC	31-AUG-84	22-APR-94
2286	NE	21-JAN-83	25-AUG-95	3477	NE	03-MAY-85	08-SEP-89
2289	NE	16-OCT-87	05-JUN-92	3478	NE	24-FEB-95	
2291	NE	12-JUL-81	15-APR-88	3481	NE	05-DEC-86	17-DEC-93
2292	NE	28-APR-89	05-APR-96	3488	NC	21-OCT-94	
2293	NE	11-JUN-65	12-DEC-80	3489	NC	21-OCT-94	
2294	NE	23-JUN-89	24-JAN-97	3490	NE	25-JUL-97	
2297	NE	20-JAN-60	13-FEB-81	3491	NE	05-JAN-96	
2298	NE	02-JUL-58	13-FEB-81	3492	NC	27-JUN-97	
2299	NE	30-SEP-83	30-JUN-95	3493	NE	01-JUL-94	
L/C 2300	NE	05-SEP-80	18-NOV-88	3494	NE	21-FEB-92	
L/C 2301	NE	22-FEB-91		3495	NE	21-FEB-92	
L/C 2302	NE	02-AUG-85		L/C 3512	NC	30-NOV-84	05-MAR-93
2303	NE	18-MAY-55	29-JUN-90	L/C 3513	NC	30-NOV-84	19-FEB-93
2304	NE	31-MAY-57	01-FEB-80	3514	NE	02-AUG-96	
2305	NE	17-DEC-56	08-FEB-80	3515	NC	18-JAN-91	03-JUN-94
2306	NE	03-MAY-57	09-MAY-75	3526	NE	24-FEB-95	
2307	NE	31-AUG-56	11-MAR-77	3527	NE	01-JAN-88	02-APR-93
2308	NE	19-JUL-46	21-APR-78	3534	NE	07-MAY-93	
L/C L/C 2309	NE	08-JUL-88		3535	NE	16-AUG-85	16-APR-93
2310	NE	03-JUN-46	01-FEB-80	3536	NC	21-APR-78	16-APR-93
2311	NE	08-JAN-58	12-APR-91	3537	NC	27-SEP-85	22-JUN-90
2312	NE	13-NOV-87	08-APR-94	3538	NE	27-NOV-92	02-AUG-96
2313	NE	21-JUN-57	28-OCT-77	3539	NE	04-AUG-89	25-APR-97
2314	NE	11-JUL-86		3540	NE	22-MAY-92	
2315	NE	22-APR-88		3541	NE	29-JUL-94	
2318	NE	03-DEC-82		3542	NE	01-JUL-94	
2400	NE	29-JUN-90		3543	NE	27-NOV-92	30-MAY-97
L/C 3000	NE	20-JAN-89	22-APR-94	3544	NE	25-SEP-87	29-JAN-93
L/C 3001	NE	07-OCT-94		3545	NC	28-APR-89	12-AUG-94
L/C 3002	NE	16-DEC-94		3546	NC	28-APR-89	11-JUL-97
3050	NE	03-MAY-96		3547	NC	28-APR-89	05-APR-96
3052	NE	07-OCT-94		* 3548	NE	26-SEP-97	
3053	NC	11-APR-86	02-FEB-90	3549	NC	03-DEC-93	05-APR-96
3055	NC	21-JUN-91		3550	NC	03-DEC-93	02-JAN-98
3056	NC	21-JUN-91		3552	NC	02-JAN-87	02-APR-93
3057	NC	21-JUN-91		3555	NE	27-JUN-86	09-APR-93
3058	NC	21-JUN-91		3559	NC	15-JUN-79	02-FEB-90
3061	NC	29-MAY-81	21-JUN-85	3564	NC	04-DEC-87	08-SEP-95
3062	NC	24-MAY-85		3598	NE	14-AUG-87	11-OCT-91
3080	NE	03-APR-92		3601	NC	26-AUG-94	
3311	NE	31-DEC-93		L/C 3602	NE	24-MAY-85	12-AUG-94
3312	NC	31-JAN-86	05-APR-91	L/C 3603	NE	23-OCT-81	01-NOV-91
3313	NC	28-JUL-95		L/C 3604	NE	06-NOV-87	13-JUN-97
3410	NC	24-MAR-95		L/C 3605	NE	03-JUN-88	
3411	NC	24-MAR-95		L/C 3606	NE	27-JUL-84	03-SEP-93
3415	NE	13-FEB-87	08-APR-94	3623	NE	26-AUG-77	06-JAN-89
3419	NC	02-JUL-93		3624	NE	19-AUG-88	22-APR-94
3424	NC	24-JUL-87	02-APR-93	3625	NC	25-OCT-68	10-MAR-89

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3646	NE	30-JUN-95		3809	NE	24-AUG-79	24-MAR-95
3647	NE	05-JUL-85	02-JAN-98	3811	NE	06-DEC-63	27-SEP-91
3651	NE	09-APR-93		3825	NE	16-DEC-77	09-JUN-89
3662	NE	07-AUG-87	17-DEC-93	L/C 3853	NE	02-MAR-90	05-APR-96
3663	NE	31-MAY-74	14-AUG-92	L/C 3854	NE	23-OCT-87	23-APR-93
3664	NE	13-MAY-77	05-APR-96	3855	NE	13-JAN-67	26-APR-91
3665	NE	13-NOV-87	11-MAR-94	3857	NE	17-NOV-67	10-JUL-87
3668	NE	12-MAR-93		3858	NE	28-JUL-67	28-JUL-89
3670	NE	21-OCT-94		3859	NE	17-JUN-66	18-JUL-80
3671	NE	27-AUG-82	03-JUN-94	3860	NE	12-SEP-69	05-JAN-90
3673	NC	01-DEC-95		3863	NE	25-APR-80	16-MAR-90
3674	NC	01-DEC-95		3864	NE	11-MAY-62	17-DEC-93
3679	NC	14-JUN-91	21-FEB-97	3865	NE	01-NOV-55	10-JUL-87
3680	NE	07-APR-78	26-APR-91	3868	NE	12-JUL-68	19-APR-91
3681	NC	08-JUN-90		3869	NE	28-NOV-86	02-MAR-90
3682	NE	05-JUN-87		3890	NC	14-MAR-86	07-APR-95
3683	NE	03-AUG-79	26-OCT-90	3891	NC	08-SEP-89	01-AUG-97
3685	NE	25-AUG-95		3892	NC	13-JAN-84	03-JUN-94
3686	NC	08-APR-88	02-DEC-94	3893	NC	13-JAN-84	
3710	NE	04-JUL-86	15-JUN-90	3894	NE	18-OCT-63	08-SEP-89
3711	NE	15-JUN-84	19-FEB-93	3895	NC	15-JUN-84	09-JUN-89
3717	NE	28-JUL-95		L/C 3902	NE	09-DEC-88	27-JUN-97
3719	NE	17-APR-61	11-NOV-88	3909	NC	11-DEC-87	03-JUN-94
3720	NE	12-FEB-88	03-SEP-93	3920	NC	18-JAN-91	
3721	NE	26-AUG-94		3921	NE	15-DEC-95	
3722	NE	07-FEB-64	04-SEP-87	3927	NE	26-APR-85	03-FEB-89
3723	NE	29-JUN-84		3931	NC	21-FEB-92	
3724	NE	23-MAY-80	21-APR-95	3932	NC	21-FEB-92	
3726	NE	23-MAY-80	06-JAN-89	3933	NE	20-JAN-89	19-FEB-93
3727	NE	29-JUN-62	24-MAR-95	3934	NC	21-FEB-92	02-JUN-95
3728	NE	05-FEB-82	24-JAN-97	3940	NC	01-MAR-96	
3729	NE	29-JUL-83	10-FEB-89	3955	NC	15-FEB-85	20-MAY-94
3730	NC	30-NOV-60	21-DEC-90	3956	NE	01-MAR-96	
3733-A	NC	01-FEB-56		3957	NC	11-DEC-87	03-JUL-92
3734	NE	09-JUL-76	24-MAY-91	3958	NE	24-MAR-95	
3736	NE	31-AUG-90		3959	NC	11-DEC-87	03-JUL-92
3737	NE	14-AUG-87	21-APR-95	3960	NC	13-AUG-93	
3738	NE	04-FEB-83	24-MAR-95	3962	NE	26-JAN-79	18-JUN-93
3739	NE	03-FEB-84	01-SEP-89	3963	NC	26-OCT-90	
3740	NE	20-MAY-77	06-DEC-96	3964	NC	07-JUN-91	
3741	NE	15-FEB-63	30-JUN-89	3994	NE	20-JAN-89	22-SEP-95
3742	NE	16-JUL-82	02-AUG-96	4000	NE	14-DEC-84	
3743	NE	25-MAR-77	10-FEB-95	L/C 4001	NE	01-DEC-95	
L/C 3744	NE	20-MAY-88		L/C 4002	NE	27-DEC-91	05-JUL-96
3745	NE	08-JUN-56	13-NOV-87	L/C 4003	NE	14-DEC-84	29-JUL-94
3746	NE	12-AUG-77	02-JUL-93	L/C 4006	NE	14-DEC-84	19-FEB-93
3747	NE	16-SEP-77	30-MAY-97	L/C 4010	NE	18-NOV-83	10-JUL-92
3753	NE	30-APR-59	12-AUG-88	L/C 4011	NE	31-OCT-97	
3761	NE	19-AUG-88		L/C 4012	NE	13-MAR-87	14-JUL-95
3772	NE	30-OCT-64	29-JAN-93	L/C 4013	NE	07-NOV-86	03-JUL-92
3773	NE	26-APR-85	06-DEC-96	L/C 4015	NE	24-JUL-92	
3781	NE	18-MAY-59	15-MAR-91	L/C 4016	NE	05-MAY-95	
3784	NE	23-JUL-82	16-DEC-94	L/C 4017	NE	16-JUN-95	
3785	NE	04-OCT-91		L/C 4020	NE	27-DEC-91	
3786	NC	05-JUL-46	12-MAR-93	L/C 4021	NE	27-DEC-91	
3787	NE	29-JUL-77	04-APR-97	L/C 4022	NE	27-DEC-91	02-AUG-96
3794	NE	07-FEB-75	17-MAR-89	L/C 4023	NE	28-NOV-86	05-JAN-96
3795	NE	01-MAY-64	09-JUL-93	L/C 4024	NE	27-DEC-91	
L/C 3802	NE	24-NOV-89		L/C 4025	NE	27-DEC-91	
3807	NC	07-JAN-60	07-OCT-88	L/C 4026	NE	27-DEC-91	18-JUL-97
3808	NC	30-MAR-62	13-OCT-89	L/C 4045	NC	08-AUG-86	

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L/C 4047	NE	19-MAY-89		4379	NE	31-OCT-86	14-FEB-92
L/C 4049	NE	19-MAY-95		4381	NE	17-JAN-86	03-MAY-96
L/C 4098	NC	21-SEP-84		4384	NE	31-OCT-86	13-AUG-93
L/C 4099	NC	21-SEP-84		L/C 4385	NE	07-JUN-96	
4114	NC	08-MAY-92		4386	NE	03-OCT-86	24-MAR-95
L/C 4116	NC	09-APR-93		4391	NE	21-FEB-92	
4117	NC	28-OCT-88		4394	NE	14-SEP-90	
L/C 4118	NC	22-MAY-87	11-MAR-94	4395	NE	25-MAY-90	
4124	NC	07-AUG-92		4396	NE	19-FEB-88	30-JUL-93
4130	NC	30-MAY-69	17-DEC-76	4399	NC	03-APR-42	26-AUG-83
4140	NC	07-JAN-72	02-JUL-82	4402	NE	11-SEP-59	20-MAR-81
4141	NE	01-NOV-96		L/C 4403	NE	21-JUN-85	24-DEC-93
4142	NE	01-NOV-96		L/C 4404	NE	26-JUL-85	29-JUN-90
4145	NE	22-MAR-91		L/C 4405	NE	12-JUL-85	21-JUL-89
4170	NC	28-FEB-92		L/C 4406	NE	12-JUL-85	09-JUN-89
4201	NE	26-JAN-90	10-MAR-95	4416	NE	07-JAN-83	
4202	NC	14-AUG-87	24-DEC-93	4419	NE	12-AUG-88	02-FEB-96
4203	NC	07-AUG-87	07-NOV-97	4420	NE	03-OCT-69	06-NOV-81
4209	NC	21-OCT-94		4421	NE	11-OCT-68	23-MAR-79
4210	NC	05-APR-91		4422	NE	10-OCT-69	17-JUN-94
4211	NE	07-DEC-90	02-JUN-95	4425	NE	02-MAY-80	17-OCT-97
L/C 4227	NC	24-MAY-91		4426	NE	18-MAR-88	
L/C 4230	NC	15-JUN-90		4428	NE	06-OCT-78	
L/C 4233	NC	11-JAN-91		4429	NE	04-JUN-93	
L/C 4234	NC	10-APR-87	26-DEC-97	4430	NE	02-OCT-81	21-MAY-93
L/C 4235	NC	31-MAR-89		4432	NE	14-DEC-84	15-JUN-90
L/C 4236	NC	30-JAN-87	28-JUL-95	4437	NE	17-MAY-91	
L/C 4237	NC	30-DEC-88	23-SEP-94	4440	NE	18-JUL-80	
L/C 4240	NC	06-OCT-89	06-JUN-97	4443	NC	16-JUN-67	18-FEB-77
L/C 4241	NC	01-DEC-89	02-AUG-96	4445	NC	17-JUN-49	07-DEC-79
L/C 4242	NE	28-AUG-92		4446	NC	06-JAN-53	31-DEC-93
L/C 4243	NC	20-JUN-86	25-AUG-89	4447	NE	09-NOV-84	
4244	NC	21-FEB-86	26-APR-91	4448	NE	27-APR-90	
4245	NE	28-NOV-86	25-DEC-92	4449	NE	02-JAN-87	
L/C 4255	NC	27-JUL-90		4450	NE	02-MAR-73	13-NOV-87
4266	NC	29-SEP-89		L/C 4451	NE	27-MAR-87	15-JUL-88
4275	NE	23-DEC-83	03-MAY-96	4452	NE	29-JUL-83	
4276	NE	25-JUL-97		4453	NE	17-DEC-82	
4277	NC	29-APR-83	28-SEP-90	4454	NE	03-FEB-78	
4278	NE	14-NOV-86	18-JUN-93	4455	NE	10-SEP-76	20-OCT-89
4279	NE	13-JUN-86	13-SEP-91	4459	NE	22-JAN-88	
4281	NE	20-FEB-87	14-JUL-95	4460	NE	11-SEP-87	03-MAY-91
4306	NE	14-JUN-85	07-JUN-96	L/C 4462	NE	28-JUN-85	06-JUN-97
4307	NE	15-FEB-85	13-NOV-92	L/C 4463	NE	09-AUG-85	15-JUN-90
4308	NE	07-SEP-84	27-SEP-91	L/C 4464	NE	11-OCT-85	15-JUN-90
L/C 4320	NE	08-AUG-86	06-MAY-94	4466	NE	17-MAY-91	01-MAR-96
L/C 4321	NE	11-OCT-85	01-FEB-91	4467	NE	21-MAR-69	01-MAR-96
4328	NE	03-FEB-84	25-MAY-90	4468	NE	12-JUL-85	
4331	NE	19-OCT-84	11-MAY-90	4469	NE	08-NOV-85	
4332	NE	29-DEC-61	24-JAN-97	4470	NE	04-JAN-80	
L/C 4335	NE	27-SEP-85		4471	NE	11-FEB-77	11-AUG-89
4337	NE	03-JAN-86		4472	NE	14-AUG-81	
L/C 4340	NE	12-APR-91		4473	NE	25-NOV-77	
4342	NE	03-JUN-88	26-APR-91	4474	NE	31-DEC-76	
L/C 4363	NE	01-NOV-85	13-NOV-92	4483	NE	12-AUG-88	
4365	NE	08-DEC-72	29-FEB-80	L/C 4485	NE	26-SEP-97	
L/C 4367	NE	01-NOV-85	06-JUL-90	L/C 4486	NE	19-OCT-84	24-MAR-95
L/C 4374	NE	27-DEC-85	26-MAR-93	4491	NC	06-MAY-66	01-FEB-80
L/C 4375	NE	25-OCT-85	01-JAN-93	4492	NC	04-FEB-66	25-JUL-80
4376	NE	02-OCT-87	11-AUG-95	4497	NE	30-JUL-71	12-OCT-79
4377	NE	10-JAN-86		4498	NE	23-OCT-87	03-NOV-95

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4504	NE	14-FEB-64	23-JAN-76	4641	NE	31-AUG-84	
4505	NC	14-FEB-64	14-FEB-75	4642	NC	18-JAN-60	31-MAR-78
4506	NC	28-FEB-64	25-JUN-82	4643	NE	03-MAY-85	15-MAY-92
4507	NC	28-FEB-64	30-JAN-76	4644	NC	01-DEC-67	04-SEP-92
4509	NC	05-DEC-69	21-JUL-78	4652	NE	31-OCT-80	
4510	NC	22-MAR-68	15-JUL-94	4653	NE	12-MAR-76	24-MAR-95
4511	NC	10-JUL-64	17-OCT-80	4654	NC	27-OCT-52	22-SEP-78
4512	NC	30-OCT-64	09-FEB-79	4658	NC	08-MAY-70	15-FEB-80
4514	NE	23-OCT-81	29-SEP-89	4659	NC	10-OCT-57	08-SEP-78
4515	NC	21-MAY-52	02-JAN-81	4661	NC	20-SEP-55	23-JUN-89
4516	NE	02-NOV-62	10-DEC-76	4663	NC	10-OCT-57	03-SEP-76
4518	NC	18-OCT-51	26-JAN-79	4665	NC	10-OCT-57	08-MAY-81
4519	NC	13-OCT-51	04-FEB-83	4666	NC	10-OCT-57	20-JUN-86
L/C 4520	NE	02-JUN-95		4667	NE	08-OCT-65	13-AUG-76
4521	NE	04-JUN-65	08-SEP-78	4668	NC	10-OCT-57	23-OCT-87
4522	NC	15-JUL-59	04-SEP-81	4669	NC	10-OCT-57	29-MAR-85
4523	NC	27-MAR-64	13-JUN-75	4670	NC	10-OCT-57	29-JUL-77
4524	NE	07-FEB-64	15-AUG-80	4679	NE	31-DEC-76	04-JUN-82
4526	NC	05-OCT-51	24-FEB-95	4680	NC	02-JAN-59	27-FEB-76
4529	NE	30-SEP-88		4682	NC	19-OCT-62	01-MAY-87
4530	NE	11-MAR-83	17-APR-92	L/C 4700	NE	30-DEC-94	
4531	NC	24-MAY-74	14-MAR-97	4701	NC	27-DEC-63	23-OCT-81
4535	NC	12-MAR-65	21-AUG-81	4702	NC	17-JAN-64	28-SEP-90
4536	NC	20-SEP-63	14-FEB-75	4703	NE	31-JAN-64	26-AUG-94
4538	NE	26-MAR-76		4705	NE	30-JAN-56	06-AUG-76
4540	NC	10-OCT-57	26-JAN-79	4712	NC	21-FEB-64	01-FEB-74
4541	NC	10-OCT-57	03-OCT-80	4722	NE	27-FEB-87	
4542	NE	09-SEP-66	23-JAN-76	4724	NE	20-MAY-60	08-SEP-78
4543	NC	10-OCT-57	10-NOV-78	4725	NC	09-JUN-53	28-AUG-81
4548	NC	10-OCT-57	11-MAR-88	4728	NE	16-JUN-95	
L/C 4560	NE	14-MAR-86	25-DEC-92	L/C 4730	NE	07-OCT-83	23-JUL-93
4582	NC	14-FEB-64	10-SEP-76	L/C 4731	NE	16-DEC-94	
4583	NC	16-JAN-61	02-JUL-82	4732	NE	27-DEC-68	22-FEB-80
4584	NC	02-JAN-59	14-NOV-80	4744	NC	22-FEB-63	27-NOV-81
4585	NC	02-JAN-59	29-AUG-80	4745	NC	17-MAY-63	09-OCT-87
4587	NE	04-SEP-87	21-AUG-92	4763	NC	01-FEB-63	26-JUL-85
4591	NC	02-JAN-59	18-AUG-78	4764	NC	01-FEB-63	09-NOV-90
4592	NE	03-JUN-83	02-APR-93	4765	NC	29-NOV-63	26-APR-85
4593	NC	20-JAN-60	12-JUN-81	4766	NC	06-DEC-63	05-APR-96
4594	NC	02-JAN-59	14-FEB-92	4767	NC	06-DEC-63	06-JUL-90
4595	NC	02-JAN-59	04-FEB-83	4769	NE	19-SEP-75	03-MAY-85
4596	NC	02-JAN-59	09-JAN-81	4771	NE	02-JUL-76	29-JUL-83
4597	NC	02-JAN-59	09-OCT-81	4773	NC	29-NOV-63	29-DEC-78
4598	NE	21-JAN-83		4774	NC	24-JAN-64	19-MAR-82
4599	NC	02-JAN-59	14-DEC-84	L/C 4775	NE	09-SEP-83	02-MAY-97
4609	NE	20-SEP-63	07-JAN-77	L/C 4776	NE	08-JUL-83	
4615	NE	22-MAY-87		L/C 4817	NC	11-APR-86	
4616	NE	19-APR-91		4830	NC	14-FEB-86	
4617	NE	19-MAY-89	25-APR-97	L/C 4831	NC	26-DEC-86	
4619	NC	29-NOV-63	29-OCT-93	L/C 4832	NC	02-OCT-87	
L/C 4622	NE	25-APR-97		4839	NC	27-MAR-92	
L/C 4624	NE	17-JAN-86		L/C 4841	NC	19-MAY-89	
L/C 4625	NE	10-JAN-86	22-APR-88	L/C 4842	NE	03-MAR-89	
L/C 4626	NE	08-NOV-85	22-APR-88	4843	NC	28-JAN-83	
4633	NE	24-APR-87	21-APR-95	L/C 4844	NC	01-FEB-85	25-MAR-94
4634	NE	14-JUL-95		L/C 4845	NE	12-SEP-97	
4635	NE	24-JUN-83	28-NOV-97	L/C 4846	NE	15-DEC-95	
4637	NE	14-AUG-87	19-MAY-89	L/C 4847	NE	05-JUL-96	
4638	NC	20-SEP-55	12-DEC-80	4848	NC	12-JUN-87	
4639	NC	20-SEP-55	12-DEC-80	4849	NC	30-DEC-88	
4640	NE	10-AUG-84		L/C 4850	NC	11-MAY-90	

Chart Number	Cat	Edition Date	Reprint Date	Chart Number	Cat	Edition Date	Reprint Date
L/C 4851	NE	04-APR-97		5396	NC	01-JUN-60	26-SEP-75
4852	NC	02-DEC-94		5397	NC	04-NOV-60	18-NOV-83
L/C 4853	NC	13-OCT-89		5398	NE	04-SEP-81	
4854	NC	25-APR-97		5399	NE	04-SEP-81	
4855	NC	06-JUN-97		5400	NE	19-DEC-60	23-APR-82
4885	NE	12-FEB-88		5403	NE	04-FEB-87	
L/C 4905	NC	22-JUL-88	24-JUL-92	5405	NC	26-DEC-51	25-MAR-88
L/C 4906	NC	18-MAR-88	11-JUN-93	5406	NC	06-MAR-14	15-AUG-80
4909	NC	17-JUN-88	01-MAR-96	5410	NE	25-MAR-77	19-MAR-93
4911	NE	07-MAY-93		5411	NE	04-JUN-58	30-JAN-81
4912	NE	04-JUN-93		5412	NE	23-FEB-68	27-APR-84
L/C 4913	NC	07-AUG-92		5414	NE	06-AUG-37	10-OCT-80
4920	NC	29-SEP-89		5427	NC	11-JUN-59	31-OCT-80
4921	NE	16-APR-93		5440	NE	01-NOV-74	06-FEB-81
L/C 4951	NC	04-JAN-91		5449	NE	15-AUG-86	
L/C 4952	NC	21-AUG-92		5450	NE	22-MAY-70	29-JUL-77
4954	NE	20-JUN-97		5451	NE	05-NOV-65	22-MAR-85
4955	NC	15-FEB-91		5452	NC	16-DEC-54	05-FEB-82
4956	NC	23-NOV-90		5455	NE	15-FEB-61	15-DEC-78
4957	NC	13-JUL-90		5456	NE	26-MAY-72	12-JUN-81
4980	NC	03-JAN-92		5457	NE	08-MAR-63	01-DEC-78
L/C 5001	NE	04-NOV-94		5458	NE	08-MAR-63	10-NOV-78
5002	NC	25-JUL-75		5459	NC	26-JAN-53	06-FEB-81
5003	NE	26-SEP-69	23-JUL-76	5464	NC	16-DEC-54	07-MAY-82
L/C 5023	NC	20-APR-90		5467	NC	18-MAR-55	29-JUN-90
L/C 5030	NC	26-OCT-90		5468	NC	18-MAR-55	04-SEP-81
5031	NC	04-JAN-91		5469	NC	18-MAR-55	12-NOV-82
5042	NC	24-FEB-84		5471	NE	12-MAY-67	04-DEC-81
5043	NC	29-JUN-84		5476	NE	03-JUL-59	15-JUN-73
5044	NC	10-JUN-83		5510	NE	11-JAN-80	
5045	NC	01-JUL-83		5512	NC	18-DEC-87	
5046	NC	13-JAN-84		5533	NE	11-MAR-77	
5047	NC	17-AUG-84		5620	NE	21-JUN-91	
5048	NC	07-AUG-87		5621	NE	26-APR-91	
5049	NC	08-APR-88		5622	NE	27-DEC-91	
5051	NC	07-JUN-96		5623	NE	08-NOV-91	
5052	NC	25-APR-97		5624	NE	26-APR-91	
* 5080	NC	03-OCT-97		5625	NE	10-JUL-92	
5133	NC	10-OCT-69	14-MAY-82	5626	NC	08-AUG-86	
5134	NC	11-AUG-67	16-MAR-73	5628	NC	08-AUG-97	
5135	NC	11-AUG-67	19-FEB-88	5640	NC	22-APR-94	
5138	NE	25-SEP-87		5705	NE	13-MAY-83	
5140	NC	15-NOV-63	20-OCT-78	5706	NE	24-JUN-83	
5143	NE	02-MAY-86		5707	NE	28-JAN-83	
5179	NC	28-AUG-64	12-JUN-81	5720	NC	22-APR-94	
5300	NC	25-NOV-66	25-NOV-77	5800	NE	19-JUL-74	22-MAR-91
5316	NC	24-AUG-61	25-JAN-80	5801	NE	24-MAY-74	
5335	NC	15-MAR-85		5860	NE	30-SEP-66	14-MAY-76
5338	NC	06-JUN-86		5861	NE	30-SEP-66	14-MAY-76
5340	NC	19-APR-63	14-DEC-79	6021	NE	23-MAY-86	
5348	NE	05-NOV-76		6022	NE	23-MAY-86	
5349	NC	05-MAR-58	03-MAR-78	6023	NE	26-FEB-88	30-JUN-95
5351	NC	24-FEB-56	25-MAR-83	6026	NC	17-SEP-76	
5352	NE	08-JUL-60	16-MAY-80	6028	NC	15-JAN-71	
5365	NC	26-SEP-69	25-AUG-89	6030	NC	14-AUG-87	
5373	NC	15-FEB-85		6035	NC	20-NOV-87	
5374	NC	17-JAN-86		6036	NC	28-AUG-87	
5375	NC	28-FEB-86		6037	NC	13-NOV-87	
5376	NC	22-MAR-85		6038	NC	11-SEP-87	
5390	NC	17-MAY-68	04-NOV-88	6050	NE	01-AUG-86	
5391	NC	17-MAY-68	18-FEB-83	6100	NC	15-MAY-87	10-APR-92

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6101	NC	10-APR-64		6368	NC	16-JUN-58	06-AUG-76
6105	NE	20-JAN-89		6369	NE	24-MAY-85	
6106	NE	21-JUN-91		6370	NE	03-AUG-90	
6107	NE	10-JUN-83		6371	NE	01-MAR-74	
6108	NE	28-JAN-83	05-JUN-92	6390	NE	08-FEB-80	
6109	NE	30-MAR-90		6408	NE	13-FEB-87	
6110	NE	24-FEB-89	15-DEC-95	6409	NE	02-APR-93	
6111	NE	11-MAR-83		6410	NE	05-APR-96	
6112	NC	06-FEB-70	25-MAR-94	6411	NE	05-APR-96	
6201	NE	16-MAR-73	22-NOV-91	6412	NE	18-APR-97	
6205	NC	30-JUN-95		6413	NE	17-FEB-89	
6206	NE	02-APR-82	06-OCT-95	6414	NE	13-FEB-87	
6207	NE	02-APR-82	21-FEB-92	6415	NE	18-APR-97	
6209	NC	04-SEP-70		6416	NE	31-MAY-91	
6211	NC	26-AUG-88	29-OCT-93	6417	NE	18-APR-97	
6212	NE	12-NOV-82	21-APR-95	6418	NE	01-APR-88	
6213	NE	10-AUG-84	28-JUL-89	6421	NE	18-APR-97	
6214	NC	18-MAR-77	07-JUL-89	6422	NE	05-APR-96	
6215	NC	01-JUL-77	08-MAY-92	6423	NE	18-APR-97	
6216	NC	02-APR-82	28-FEB-92	6419	NE	05-APR-96	
6217	NC	18-JUN-76	12-FEB-93	6420	NE	18-APR-97	
6218	NE	11-MAR-88	13-NOV-92	6424	NE	18-APR-97	
6240	NE	15-DEC-95		6425	NE	18-APR-97	
6241	NE	06-AUG-57	28-MAY-82	6426	NE	18-APR-97	
6242	NE	13-JUN-80	01-MAY-92	6427	NE	18-APR-97	
6243	NE	10-DEC-71	17-NOV-95	6428	NE	18-APR-97	
6247	NE	19-FEB-93		6429	NE	17-JUN-94	
6248	NC	04-MAY-34	06-NOV-95	6430	NE	01-APR-88	
6249	NE	29-MAR-85		6431	NE	01-APR-88	
6251	NE	18-JUL-86	05-APR-96	6432	NE	02-JUN-95	
6258	NC	30-DEC-88		6433	NE	02-MAR-84	
6259	NC	23-FEB-90		6434	NE	20-FEB-87	
6260	NC	06-JAN-89		6435	NE	20-FEB-87	
6263	NC	14-APR-89		6436	NE	31-MAY-91	
6264	NC	14-APR-89		6437	NE	02-MAR-84	
6267	NC	09-JUL-65	28-AUG-81	6438	NE	02-APR-93	
6268	NE	15-JUN-62		6439	NE	02-MAR-84	
6269	NE	04-NOV-60	11-MAR-77	6440	NE	02-MAR-84	
6270	NE	09-NOV-73		6441	NE	20-FEB-87	
6271	NE	07-SEP-73		6451	NE	17-JUN-94	
6272	NE	14-SEP-73		6452	NC	29-MAY-87	
6273	NE	28-SEP-73		6453	NC	29-MAY-87	
6274	NE	07-SEP-73		6454	NC	15-MAY-87	
6281	NE	29-JAN-82	25-MAR-88	6455	NC	15-MAY-87	
6285	NC	03-JUN-88		6455	-SUPP	NE	01-JAN-89
6286	NC	25-NOV-88		6505	NC	05-APR-85	28-FEB-86
6287	NC	11-JUN-82		6506	NC	12-APR-85	21-FEB-86
6301	NE	03-MAY-96		6730	NC	26-DEC-69	16-MAR-79
6302	NE	20-APR-73		7000	NC	05-MAR-82	
6310	NE	04-MAY-73	17-FEB-78	7010	NE	12-JAN-79	04-MAR-88
6311	NC	17-AUG-62		L/C 7011	NE	02-SEP-83	
6321	NC	15-MAY-57		7050	NE	03-FEB-89	
6322	NC	15-MAY-57		7051	NE	14-DEC-73	08-AUG-86
6341	NE	14-JAN-91		7052	NE	10-JUN-66	19-JUL-85
6354	NC	09-NOV-50		7053	NE	10-APR-70	08-APR-94
6355	NE	09-FEB-72		7065	NE	31-MAY-63	30-DEC-83
6356	NC	30-OCT-49		7066	NE	21-JUN-63	30-AUG-85
6357	NC	28-FEB-50	13-APR-73	7067	NE	30-APR-71	18-MAY-90
6358	NE	18-MAY-49	28-JAN-72	7071	NE	31-JUL-64	08-SEP-78
6359	NE	24-MAY-68		7072	NE	30-APR-71	25-JUL-97
6360	NC	17-APR-48		7082	NE	20-MAY-66	27-APR-84

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7083	NE	15-JUN-84		7661	NC	14-MAR-86	
7103	NE	05-AUG-77		7662	NE	19-JUL-91	
7121	NE	17-NOV-72	06-OCT-89	7663	NE	11-APR-97	
7122	NE	19-OCT-62	06-SEP-85	7664	NC	28-FEB-86	
7125	NE	20-APR-60	26-SEP-80	7665	NC	13-JUN-86	
7126	NE	08-MAR-54	13-AUG-93	7666	NC	28-FEB-86	
7127	NE	27-MAY-83	14-DEC-84	7667	NC	14-MAR-86	
7134	NC	23-JUL-93		7668	NC	18-MAY-90	
7135	NE	07-MAR-58	14-DEC-79	7669	NC	18-MAY-90	
7136	NC	23-JUL-93		7685	NC	28-FEB-86	
7150	NE	09-JUL-65	01-OCT-82	7686	NC	27-MAR-81	19-JAN-90
7170	NE	18-APR-75	23-DEC-83	7687	NC	05-AUG-83	
7171	NE	15-APR-60	08-SEP-78	7710	NE	13-JUN-97	
7180	NE	11-AUG-78		7725	NE	22-JUN-84	
7181	NC	22-FEB-63	04-MAY-84	7731	NE	25-MAY-84	
7184	NC	10-JUL-64	16-DEC-77	7733	NE	19-MAR-71	08-FEB-80
7185	NE	08-APR-60	27-APR-84	7735	NE	14-AUG-70	18-NOV-83
7193	NC	10-MAY-63	10-MAR-78	7740	NE	30-MAY-97	
7194	NE	20-MAR-81		7750	NE	13-JUN-97	
7195	NC	23-JUL-93		7760	NC	03-MAY-68	19-AUG-83
7212	NE	11-JAN-85		7770	NE	27-AUG-71	04-JUL-80
7220	NE	02-NOV-79	16-MAR-84	7776	NE	30-MAY-97	
7292	NC	30-JAN-62	27-SEP-85	7777	NE	30-MAY-97	
7302	NE	18-AUG-78	09-NOV-90	7778	NE	13-JUN-97	
7304	NC	17-FEB-78	06-SEP-85	7779	NE	13-JUN-97	
7310	NC	11-JUL-86		7780	NC	06-JUL-90	
7371	NE	14-DEC-73	27-MAR-81	7781	NC	06-JUL-90	
7404	NE	17-MAY-63	02-SEP-83	7782	NE	13-JUN-97	
7405	NE	01-OCT-82		7783	NE	13-JUN-97	
7411	NE	13-APR-73	29-SEP-89	7830	NE	02-MAR-84	
7430	NE	21-MAY-76	07-OCT-83	7832	NE	19-FEB-71	06-MAR-81
7465	NE	28-FEB-57	02-AUG-91	7920	NE	27-APR-84	23-MAY-86
7481	NC	21-AUG-92		7930	NE	18-MAY-84	
7482	NC	21-AUG-92		7935	NE	21-JUN-85	
7485	NC	17-MAR-89		7940	NE	27-APR-79	20-SEP-
7486	NC	10-FEB-89		7950	NE	03-MAY-85	
7487	NC	10-JUL-87		7951	NE	24-FEB-84	
7488	NC	08-MAR-91		7952	NE	17-MAR-72	27-JUL-84
7489	NC	28-AUG-92		7953	NE	05-APR-96	
7502	NC	04-SEP-81		7954	NC	17-MAY-74	17-JUN-83
7511	NE	29-DEC-89		7980	NC	16-JAN-87	
7512	NC	05-JUL-85		L/C 8005	NE	07-DEC-84	02-MAY-97
7520	NC	01-JUN-84		L/C 8006	NE	05-AUG-88	
7521	NC	01-JUN-84		L/C 8007	NE	19-AUG-88	
7527	NE	12-APR-74	27-SEP-85	L/C 8010	NE	01-AUG-86	26-MAY-89
7540	NC	07-JAN-83		L/C 8011	NE	30-DEC-94	
7552	NE	04-MAR-92		L/C 8012	NE	04-NOV-94	
7565	NC	04-OCT-96		L/C 8013	NE	04-NOV-94	
7566	NC	22-JUN-90		L/C 8014	NE	18-NOV-94	
7568	NC	05-JUL-85		L/C 8015	NE	16-DEC-94	
7569	NC	05-JUL-85		L/C 8046	NE	07-OCT-83	
7570	NC	02-MAY-86		L/C 8047	NE	07-OCT-83	06-DEC-85
7571	NC	11-APR-86		L/C 8048	NE	30-DEC-94	
7572	NC	02-MAY-86		L/C 8049	NE	30-DEC-94	
7575	NC	06-MAR-92		C-4	NC	25-JUL-86	
7578	NC	27-JAN-95		CAT-1	NE	07-FEB-97	
7600	NC	26-JUL-85		* CAT-2	NE	02-JAN-98	
7608	NE	04-JUN-76	04-MAR-83	* CAT-3	NE	02-JAN-98	
7620	NC	02-MAY-97		CAT-4	NE	01-JAN-94	
7621	NC	02-MAY-97					
7646	NE	02-FEB-73	28-NOV-80				

Chart Number	Cat	Date	Edition Date	Chart Reprint Number	Cat	Edition Date	Date
(AMA8035-10-35)						(DFO-H98-005)	

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**SUMMARY OF TEMPORARY AND PRELIMINARY
NOTICES IN EFFECT MARCH 27, 1998**
(Revised and promulgated quarterly)
Reference: Notice 126/98 cancelled.

NOTICE	CHART	LOCALITY AND SUBJECT
		(1) MISCELLANEOUS
342(P)/97	--- -	Canada - Loran-C lattices on nautical charts.
633(T)/97	----	Canada - Safety of offshore exploration and exploitation vessels.
		(2) CANADIAN ARCTIC AND WEST COAST OF GREENLAND
847(P)/89	7740, 7083	Northwest Territories - Larsen Sound - Boothia Peninsula - Results of surveys.
634(P)/96	7371	Northwest Territories - Ellesmere Island - Alexandra Fiord - Off Skraeling Island -Result of survey.
658(P)/96	----	Northwest Territories - Hay River - Lights and light buoys to be discontinued.
666(P)/96	----	Western Arctic - Great Slave Lake - Curtis Island - Light to be discontinued.
738(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
751(P)/96	6311	Northwest Territories - Lake Athabasca - Range lights to be discontinued.
222(P)/97	--- -	Northwest Territories - Simpson Strait - Spar buoys to be discontinued.
223(P)/97	--- -	Northwest Territories - McClintock Bay - Spar buoys to be discontinued.
233(P)/97	----	Northwest Territories - Spence Bay - Spar buoys to be discontinued.
328(P)/98	----	Northwest Territories - Fort Chipewyan to Fort McMurray - Changes to the buoyage system - 1998.
		(3) HUDSON BAY INCLUDING FOXE CHANNEL, HUDSON STRAIT AND LABRADOR

967(T)/85	3441, L/C 3462, 3313	Vancouver Island - Saanich Inlet - Off Coal Point and Squally Reach - Moorings established temporarily.
516(P)/92	- - - -	British Columbia - Strait of Georgia - Lund - Daymark to be discontinued.
575(T)/92	3313, 3441	Vancouver Island - Saanich Inlet - Patricia Bay - Sub-surface acoustic target established.
702(P)/92	3053	British Columbia - Shuswap Lake - Salmon Arm - Range lights established.
784(P)/92	3540, 3312	Vancouver Island - Discovery Passage - Campbell River - Information about fuel barge.
454(T)/93	3490	British Columbia - Fraser River - Sturgeon Bank - Cautionary light buoy established temporarily.
651(T)/93	3419	Juan de Fuca Strait - Esquimalt Harbour - Off Yew Point - ODAS/SADO buoy established temporarily.
669(T)/93	3958, 3964	British Columbia - Prince Rupert Harbour - Current meters established temporarily.
684(T)/93	L/C 3602, L/C 3001, L/C 3000	Off Vancouver Island - Subsurface mooring established temporarily.
279(T)/94	L/C 3000	Off Vancouver Island - Subsurface moorings established temporarily.
301(T)/94	3680, 3623, L/C 3604, L/C 3001, L/C 3000	Off Vancouver Island - Scientific subsurface mooring established temporarily.
303(T)/94	L/C 3604, L/C 3001, L/C 3000	Off Vancouver Island - Scientific subsurface mooring established temporarily.
733(T)/95	LC 3802	British Columbia - Dixon Entrance - Rose Spit - Racon temporarily relocated.
715(P)/96	- - - -	Pacific Ocean - Strait of Juan de Fuca - Fog signal, daybeacon and light to be discontinued.
814(P)/96	3682, 3663, 3662	Vancouver Island, West Coast - Approaches to Esperanza Inlet - Shoal depths.
96(P)/97	3682, 3623	Vancouver Island, West Coast - Kyuquot Sound - Entrance to Fair Harbour - Shoal reported.
327(P)/97	- - - -	British Columbia - Changes to the buoyage system - 1997.
474(P)/97	- - - -	British Columbia - Fraser River - Changes to the buoyage system - 1997.
516(P)/97	3662	Vancouver Island, West Coast - Approaches to Esperanza Inlet - Shoal depth.
693(P)/97	3728	British Columbia - Milbanke Sound - Bardswell Group - Results of

survey.

694(P)/97 3711

British Columbia - Milbanke Sound - Bardswell Group - Wurtele Island
- Results of survey.

695(P)/97 3787

British Columbia - Milbanke Sound - Bardswell Group - Results of
survey.

528(P)/98 3442

British Columbia - Gulf Islands - Samuel Island - Off Ralph Grey Point
- Chart amendment.

(AMA8035-10-1)

(CCG-H98-012)

***770 CANADIAN COAST GUARD - VHF Digital Selective Calling (DSC) facilities.**

The Canadian Coast Guard will commence installing VHF Digital Selective Calling (DSC) facilities within the next year at selected locations on the West Coast. However, in recognition of the fact that it will be many years before the majority of small vessels served by Marine Communications and Traffic Services Centres will be fitted for DSC operations, as well as the necessity to maintain the vital communications link between vessels equipped for DSC operation and those not so fitted, all MCTS Centres, even when they provide VHF DSC services, will continue to maintain watch on Channel 16 VHF well into the foreseeable future. The Canadian Coast Guard does not intend to discontinue Channel 16 watchkeeping until after consultations have taken place with the marine community to ensure that such a move will have no negative impact.

(AMA8035-10-1)

(CCG-H98-018)

***737 PRAIRIE BAY - RANKIN INLET - Elevation.**

Chart (Last correction) - 5628(NAD 83)(1)(657/97)

1. Delete tower elevation of (46) metres 62°48'37".4 N 92°06'12" W

(AMA8035-10-35)

(DFO-C98-025)

***724 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 192 - Range.**

Chart - 6409(and Continuation A)(1)

1. Delete unlit range and legend RAM 61°49'08" N 120°50'08" W

(AMA8035-10-1)

(CCG-A97-011, DFO-P97-071)

***725 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 208 - Danger zone.**

Chart - 6409(1)

1. Reposition legend DANGER ZONE # 2 from 61°52'57" N 121°20'30" W
to 61 51 50 N 121 17 38 W

(AMA8035-10-1)

(CCG-A96-020)

***727 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 328.5 - Daybeacon.**

Chart - 6413(1,2)

1. Delete port hand daybeacon 67°51'52" N 123°14'03" W

2. Delete port hand daybeacon 62 51 22 N 123 14 00 W

(AMA8035-10-8-5)

(CCG-A96-126, 180, DFO-P97-074)

***728 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILES 343.9, 344.4 AND 351.1 - Buoys.**

Chart - 6413(1-3)

1. Add red conical buoy 63°04'30" N 123°17'14" W

2. Add green can buoy 63 04 55 N 123 17 18 W

3. Add red conical buoy 63 09 54 N 123 21 08 W

(AMA8035-10-5-18)

(TC-A95-013, 017, DFO-P97-075)

***726 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 286.9 - Range lights.**

Chart - 6412(1,2)

1. Delete leading beacons 62°17'50" N 123°24'26" W (approx)

2. Add range lights

Front - F 14 m 62°17'50" N 123°24'26" W

Rear - F 30 m 315° 75m from front light

(AMA8035-10-7-18)

(CCG-A97-114, DFO-P97-073)

***729 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 425 - Range.**

Chart - 6415(1)

1. Delete unlit range and legend RAM 64°02'30" N 124°25'16" W

(AMA8035-10-1)

(CCG-A97-118, DFO-P97-076)

***730 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 436.7 - Chart amendment.**

Chart - 6415(1)

1. Reposition green can buoy from 64°11'41" N 124°25'44" W
to 64 11 35 N 124 25 44 W

(AMA8035-10-35)

(DFO-P97-077)

***731 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 467.5 - Range and daybeacon.**

Chart - 6416(1,2)

1. Delete unlit range and legend RAM 64°31'46" N 124°56'33" W

2. Add starboard daybeacon 64 31 46 N 124 56 33 W

(AMA8035-10-35)

(DFO-P97-078)

***732 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 487.7 - Buoy.**

Chart - 6416(1)

1. Add green can buoy 64°41'27" N 125°05'48" W

(AMA8035-10-5-18)

(TC-A95-020, DFO-P97-079)

***709 BRITISH COLUMBIA - JOHNSTONE STRAIT - Calling-in points.**

Charts (Last correction) - 3544(NAD 83)(1,2)(227/97) - 3545(NAD 83)(2)(317/97)

1. Add upbound and downbound 50°22'10" N 125°44'36" W
Calling-in-point "31"

2. Add upbound and downbound 50 26 30 N 126 00 42 W
Calling-in-point "32"

NOTE: Digital data products 3544R/M, 3545R/M, 70022(3544)and 70024(3545) may also be affected. Contact Nautical Data International Inc. (NDI) or your local Value Added Remarketers (VAR) for updates.

(AMA8035-10-35)

(DFO-P98-005)

***733 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 594.1 - Buoy.**

Chart - 6419(1)

1. Reposition	red conical buoy	from	65°31'14" N 127°40'16" W
		to	65 31 22 N 127 40 44 W

(AMA8035-10-5-18)

(CCG-A97-033, DFO-P97-080)

***734 NORTHWEST TERRITORIES - MACKENZIE RIVER - MILE 623.7 - Buoy.**

Chart - 6420(1)

1. Reposition	red conical buoy	from	65°38'35" N 128°33'25" W
		to	65 39 04 N 128 34 00 W

(AMA8035-10-5-18)

(CCG-A97-032, DFO-P97-081)

***736 NORTHWEST TERRITORIES - MACKENZIE RIVER - TUKTOYAKTUK HARBOUR - Chart amendments.**

Chart - 6431(1-6)

1. Delete	red conical buoy 12	69°28'28" N 133°02'18" W
2. Delete	red conical buoy 8	69 29 13 N 133 03 50 W
3. Delete	red conical buoy 6	69 29 37 N 133 04 41 W
4. Delete	red conical buoy 4	69 30 02 N 133 05 30 W
5. Delete	red conical buoy 2	69 30 27 N 133 06 18 W
6. Delete	red conical buoy 14	69 28 10 N 133 01 43 W

(AMA8035-10-35)

(DFO-P97-083)

***735 NORTHWEST TERRITORIES - MACKENZIE RIVER - TUKTOYAKTUK HARBOUR - Buoys.**

Charts (Last correction) - 7685(1,3)(154/98) - 6431(1,2)

1. Delete	red conical buoy 10	69°28'56" N 133°03'00" W
2. Delete	red conical buoy 18	69 27 57 N 133 01 02 W
3. Delete	red conical buoy 18	69 27 56.7 N 133 01 03.6 W

(AMA8035-10-5-18)

(CCG-A96-078, 063, DFO-P97-082)

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

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

Page 57 — Delete paragraph 110.

Page 85 — Paragraph 168, lines 5 and 6
Delete: “and another ... 192.1”Page 96 — Paragraph 62, line 1
Delete: “A daybeacon range,”
Replace by: Range lights(*L.L.Nos 1753.5, 1753.6*)with a RAM,Page 101 — Paragraph 93, lines 1 to 3
Delete: “Two ... 328.8”Page 106 — Paragraph 160, lines 2 and 3
Delete: “RAMs ... 425.1 and”
Replace by: RAM at MilePage 107 — Paragraph 193, lines 2 and 3
Delete: “daybeacon ... RAM”
Replace by: starboard daybeacon

British Columbia, Volume 1, Fifteenth Edition, 1990 —

Page 16 — Paragraph 215, line 2

Page 122 — Paragraph 52, line 2

Delete: Point Atkinson, (P5/98)

Page 123 — Paragraph 114, line 1

Delete: **Fog signal** — (P7/98)

Page 123 — Paragraph 114, lines 4 and 5

Delete: “The fog signal” to end of paragraph. (P7/98)

Page 144 — Paragraph 455, lines 3 and 4

Delete: “Tidal currents” to end of paragraph. (P6/98)

Page 153 — Delete paragraph 648. (P6/98)

Page 289 — Paragraph 60, line 1

Delete: (50°09'N.,

Replace by: (50°29'N., (P5/98)

IV

Monthly Edition No. 4/98

SAILING DIRECTIONS AND SMALL CRAFT GUIDE CORRECTIONS

British Columbia, Volume 2, Twelfth Edition, 1991 —

Page 86 — After paragraph 438

Insert: 438.1 **Beacon range.** — **Buoy.** — A private daybeacon range, 0.3 mile south of Klik Island, in line bearing 159°, leads through Wheelock Passage.

438.2 A private starboard hand buoy marks the south end of the shoal area on the west side of Wheelock Passage. (P7/98)

Page 108 — Paragraph 321, lines 4 and 5

Delete: “A private” to end of paragraph.

Replace by: A **booming ground** with a log dump and access road, is 1.1 miles NE of Kid Point. (P6/98)

Page 108 — Paragraph 325, line 2 - After “**Point.**”

Insert: A private mooring **buoy** is 0.7 mile SE of Moody Point. (P6/98)

Page 108 — Paragraph 326, line 2 - Before “logging”

Insert: abandoned (P6/98)

Page 108 — Paragraph 327, lines 1 and 2

Delete: “private daybeacon ... and a” (P6/98)

Page 113 — After paragraph 356

Insert: 356.1 A log dump with an access road is 1.5 miles NW of Mary Point light. (P6/98)

Page 115 — Paragraph 415, lines 1 and 2

Delete correction promulgated in Bi Weekly edition No. 4/94. (P6/98)

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

Page 32 — Paragraph 356, line 2

Delete: Point Atkinson (P5/98)

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

Page 20 — Paragraph 303, lines 2 and 3

Delete: Point Atkinson (P5/98)

Page 34 — Paragraph 76, line 1

Delete: **Fog signal** — (P7/98)

Page 34 — Paragraph 76, line 7

Delete: “The fog signal” to end of paragraph. (P7/98)

Page 86 — Delete paragraph 215. (P6/98)

YUKON TERRITORY

EDN #

04/98

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

Inland Waters

2500	Tent Island	NS. point of island. 68 55 00 136 37 30	W		10.5	10	Tripod tower, orange rectangular daymark on NW. and SE. faces. 9.1	Year round	Chart:6441
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MACKENZIE RIVER - MACKENZIE BAY - ARCTIC OCEAN

2503	Pullen Island Racon --. (G) X & S Band	69 46 26.5 134 24 24.4	FI	W	6s	48.0 9.1	Skeleton tower. Flash 0.5 s; eclipse 5.5 s Radar reflector. Year round.	Chart:7663
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2504	<i>Kugmallit Bay light buoy TA</i>	<i>Off James Shoal. 69 48 03 133 19 06</i>	<i>Mo(A)</i>	<i>W</i>		<i>Red and white vertical stripes, marked "TA".</i>	<i>Year round.</i>	Chart:7663
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2506	<i>Tuktoyaktuk Approach light buoy TC</i>	<i>69 31 23 133 08 09</i>	<i>Mo(A)</i>	<i>W</i>		<i>Red and white vertical stripes, marked "TC".</i>	<i>Year round.</i>	Chart:7685
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2507	Tuktoyaktuk Island range	On island. 69 27 24 132 59 54.9	F	G		15.8 6.1	Tripod tower, orange daymark, white vertical stripe.	Year round
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2508	Racon -. (N) X & S Band	144°30' 114.3m from front.	F	G		21.9 12.2	Tripod tower, orange daymark, white vertical stripe.	Year round. Chart:7685
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2509	<i>Tuktoyaktuk Turning light buoy 15</i>	<i>69 28 02 133 00 50</i>	<i>Q</i>	<i>G</i>	<i>1s</i>	<i>Green, marked "15".</i>	<i>Year round.</i>	Chart:7685
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2510	Tuktoyaktuk Peninsula range	69 27 54.5 132 59 10.5	F	W		11.6 9.0	Tripod tower, orange daymark, white vertical stripe.	Year round
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2511		099° 274.3m from front.	F	W		16.8 15.1	Tripod tower, orange daymark, white vertical stripe.	Year round. Chart:7685
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2512	Tuktoyaktuk Inner Harbour range	69 27 41 132 58 50	F	W		4.9 3.0	Tripod skeleton tower, orange daymark, white vertical stripe.	Year round
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2513		358° 121.9m from front.	F	W		8.5 6.1	Tripod skeleton tower, orange daymark, white vertical stripe.	Year round. Chart:7685
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2514	Tuktoyaktuk Eastern Entrance range	69 27 17.7 132 58 19.8	F	W		14.6 6.1	Tower, orange daymark, white vertical stripe.	Year round
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2515		134°02' 124.6m from front.	F	W		22.9 9.0	Tripod tower, orange daymark, white vertical stripe.	Year round. Chart:7685
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MACKENZIE RIVER - MACKENZIE BAY - ARCTIC OCEAN EDN #

04/98

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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Inland Waters (Cont'd)

2516	North Peak Racon -. (N) X & S Band	On North Peak. 69 35 54 132 55 30	Fl W 4s	44.2	Tripod tower.	Year round. Chart:7663
2517	Tuft Point	69 44 30 132 29 00	Fl W 4s	21.5	.....	Tower. 9.1	Radar reflector. Year round. Chart:7663
2518	Atkinson Point Racon -- (K) X Band	69 56 54 131 26 42	Fl W 4s	22.6	.....	Tower.	Radar reflector. Year round. Chart:7663

Cambridge Bay

2520 H13.8	Cambridge Bay range 1	69 02 22 104 55 02	F Y	13.4	.....	Tower, fluorescent red and white vertical stripes.	Visible in line of range. Radar reflector. Year round
2521 H13.81		095° 1280.2m from front.	F Y	19.2	.....	Tower, fluorescent red and white vertical stripes.	Visible in line of range. Radar reflector. Year round. Chart:7696
2522 H13.84	Cambridge Bay range 2	69 05 13 104 57 07	F Y	9.5	.....	Fluorescent red circular tower.	Visible in line of range. Year round
2523 H13.85		015° 426.7m from front.	F Y	12.8	.....	Fluorescent red circular tower.	Visible in line of range. Year round. Chart:7696
2524 H13.87	Cambridge Bay range 3	69 02 53.7 104 54 42	F Y	6.5	.....	Tripod tower, orange daymark, white vertical stripe.	Radar reflector. Year round
2525 H13.88		137° 1,493.5m from front.	F Y	18.0	.....	Tower, fluorescent red and white vertical stripe.	Radar reflector. Year round Chart:7750

Resolute Bay

2530 H14.5	Resolute Bay range 4	74 41 08.6 94 48 01.3	Q W 1s	46.4	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 12.2	Seasonal
2531 H14.51		023°07' 303.8m from front.	Q W 1s	58.2	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 7.6	Seasonal. Chart:7511

HUDSON STRAIT AND BAY

EDN #

04/98

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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Inland Waters (Cont'd)

2545 H34	Bear Island	On E. side of entrance to Coral Harbour. 64 00 30 83 13 01	Fl W 6s	20.1	8	Red and white square skeleton tower, fluorescent orange rectangular daymark. 11.9	Flash 1 s; eclipse 5 s Radar reflector. Seasonal
2546 H35		W. of Coral Harbour, Southampton Island.	Fl W 6s	21.0	7	Square skeleton tower, 2 fluorescent orange rectangular daymarks, black vertical stripe. 10.7	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5410
2547 H33.4	Walrus Island (Fisher Strait)	Centre of island. 63 13 30 83 39 00	Fl W 6s	54.9	8	Skeleton tower, 3 fluorescent orange rectangular daymarks, black vertical stripe. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5449
2548 H33	Cape Pembroke	NE. end of Coats Island. 62 54 30 81 53 30	Fl W 6s	50.3	10	Square skeleton tower, fluorescent orange daymark. 11.0	Flash 1 s; eclipse 5 s Seasonal.
							Chart:5449
2549 H32	Coats Island Racon -- (C) X & S Band	On Carys Swan Nest, SE. point of island. 62 10 20 83 08 00	Fl W 6s	12.5	7	Red and white skeleton tower, fluorescent orange slatwork daymark. 11.0	Flash 1 s; eclipse 5 s Shoal water surrounds this point and should not be approached nearer than 5 miles. Radar reflector. Seasonal.
							Chart:5449
2550 H36	Mansel Island Racon -- (K) X & S Band	N. extremity of island. 62 25 00 79 36 30	Fl W 6s	18.6	7	Square skeleton tower, 3 fluorescent orange rectangular daymarks, black vertical stripe. 15.2	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5449
2551 H36.1	Cape Acadia (Mansel Island)	S. extremity of island. 61 35 00 79 48 30	Fl W 6s	23.5	10	Square skeleton tower, fluorescent orange daymarks on S. and W. sides. 19.2	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5449
2552 H36.4	Broomfield Island Racon - (N) X & S Band	55 40 24 79 14 18	Fl R 6s	38.7	5	Square skeleton tower, 2 fluorescent orange rectangular daymarks on E. and S. faces. 7.6	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5707
2553 H38	Digges Islet	On NW. islet of the Digges Islands. 62 35 14 78 06 36.8	Fl W 6s	27.7	10	Square skeleton tower, fluorescent orange square daymark. 7.9	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5412
2554 H40	Nottingham Island Racon - (N) X & S Band	On S. extremity of island. 63 05 10 77 57 00	Fl W 6s	27.7	7	Square skeleton tower, 3 fluorescent orange rectangular daymarks, black vertical stripe. 12.2	Flash 1 s; eclipse 5 s Radar reflector. Seasonal.
							Chart:5449
2555 H41	Arctic Island	On centre of island. 62 14 28 74 45 44	Fl W 6s	29.6	8	Red and white square skeleton tower, fluorescent orange rectangular daymark. 6.7	Flash 1 s; eclipse 5 s Seasonal.
							Chart:5457

HUDSON STRAIT AND BAY

EDN #

04/98

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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Inland Waters (Cont'd)

2556 H42	Charles Island West End	62 42 30 74 40 00	Fl W 6s	20.7	8	Red and white square skeleton tower, fluorescent orange rectangular slatwork daymark. 16.1	Flash 1 s; eclipse 5 s Radar reflector. Seasonal. Chart:5450
2557 H44	Charles Island East End	62 36 28 73 56 12	Fl W 6s	61.0	6	Square skeleton tower, 3 fluorescent orange rectangular daymarks. 6.4	Flash 1 s; eclipse 5 s Radar reflector. Seasonal. Chart:5450
Racon --. (C) X & S Band							
2558 H48	Wales Island	E. extremity of island. 61 51 38 71 58 00	Fl W 6s	83.2	8	Square skeleton tower, 3 fluorescent orange rectangular daymarks, black vertical stripe. 6.7	Flash 1 s; eclipse 5 s Radar reflector. Seasonal. Chart:5390
2559 H50	Ashe Inlet	E. end of Rabbit Island. 62 32 00 70 33 35	Fl W 6s	73.2	8	Red and white square skeleton tower, fluorescent orange rectangular daymark. 6.1	Flash 1 s; eclipse 5 s Seasonal. Chart:5316
2560 H52	Cape Hopes Advance	61 04 41 69 33 32	Fl W 6s	82.3	8	Square skeleton tower, two fluorescent orange rectangular daymarks. 6.2	Flash 1 s; eclipse 5 s Seasonal. Chart:5452
2565 H53	Radio Island (Resolution Island)	W. side of island. 61 18 28 64 53 16	Fl W 6s	39.3	7	Square skeleton tower, fluorescent orange daymark. 7.0	Flash 1 s; eclipse 5 s Seasonal. Chart:5459

Iqaluit (Frobisher Bay)

2566 H53.4	Cape Poillon range	63 07 55.9 67 52 14.8	Iso W 2s	84.0	.....	Square skeleton tower, fluorescent orange daymark. 7.6	Seasonal
2567 H53.41		149°28' 3427.9m from front.	Iso W 2s	203.5	.....	Square skeleton tower, fluorescent orange daymark. 12.2	Seasonal. Chart:7125
2568 H53.5	Cape Poillon West	63 08 49.8 67 55 00.8	Fl Y 6s	38.9	.....	Square skeleton tower, fluorescent orange daymarks on S., E., and N. sides. 9.1	Flash 1 s; eclipse 5 s Seasonal. Chart:7125
2569 H54	Basset Point	63 12 43.5 67 57 47.2	Fl R 6s	18.3	.....	Square skeleton tower, fluorescent orange daymarks on S., W., and N. side. 9.1	Flash 1 s; eclipse 5 s Seasonal. Chart:7125
2570 H54.2	Pike Island range 1	63 13 47.4 67 59 54.3	Iso W 2s	28.0	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 15.5	Visible in line of range. Seasonal
2571 H54.21		329°28' 385.4m from front.	Iso W 2s	44.4	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe. 15.2	Visible in line of range. Seasonal. Chart:7125

HUDSON STRAIT AND BAY

EDN #

04/98

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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Inland Waters (Cont'd)

Iqaluit (Frobisher Bay) - Cont'd

2572 H54.3	Pike Island No. 2 range	63 15 04.1	Iso	W	2s	20.9	Square skeleton tower, fluorescent orange daymark, black vertical stripe.	Seasonal
		68 01 46.8								7.6
2573 H54.31		146°04' 2463.2m from front.	Iso	W	2s	52.0	.....	Square skeleton tower, fluorescent orange daymark, black vertical stripe.	Seasonal. Chart:7125
								15.2	
2574 H54.4	Quadrifid Island	63 18 13.8 68 07 47.2	Fl	G	6s	33.6	.....	Square skeleton tower, fluorescent orange daymarks on S., E., and N. sides.	Flash 1 s; eclipse 5 s Seasonal. Chart:7125
								9.1	
2575 H54.6	Lapointe Rock	63 21 35.9 68 14 23.5	Fl	W	6s	14.0	.....	Square skeleton tower, fluorescent orange daymarks on S., E., and N.	Flash 1 s; eclipse 5 s Seasonal. Chart:7125
								9.1	
2576 H56.4	Monument Island	On summit of island. 63 41 47.1 68 30 37.7	Fl	R	6s	47.9	6	Square skeleton tower, fluorescent orange daymarks facing S., E., and N.	Flash 1 s; eclipse 5 s Radar reflector. Seasonal. Chart:7127
								8.5	
2577	White Top Ledge light buoy N22	SW. of ledge. 63 42 42.9 68 30 34.1	Fl	R	4s	.....	.....	Red, boat type, marked "N22".	Seasonal Chart:7127
2578	Inuit light buoy N23	E. of reef. 63 42 54.4 68 31 08.9	Fl	G	4s	.....	.....	Green, boat type, marked "N23".	Year round. Chart:7127
2579	Polaris Reef light buoy N26	S. of reef. 63 43 11.5 68 31 12.6	Fl	R	4s	.....	.....	Red, boat type, marked "N26".	Seasonal Chart:7127
2580 H55	Long Island	Koojesse Inlet. 63 43 24.1 68 30 31.6	Fl	W	6s	27.4	.....	Square skeleton tower, fluorescent orange daymarks on S., W., and N. sides.	Flash 1 s; eclipse 5 s Seasonal. Chart:7127
								4.6	
2581	Black Ledge light buoy N30	W. of ledge. 63 43 32.6 68 31 34.8	Fl	R	4s	.....	.....	Red, boat type, marked "N30".	Year round. Chart:7127
2582 H55.5	Frobisher Bay (Iqaluit) range	63 43 32 68 32 17.1	Iso	R	2s	17.5	.....	Square skeleton tower, orange daymark.	Visible in line of range. Seasonal
									15.2
2583 H55.51		229°57' 576.2m from front.	Iso	R	2s	55.8	.....	Square skeleton tower, orange daymark.	Visible in line of range. Seasonal. Chart:7127
								7.6	
2584 H56	Frobisher Landing	Koojesse Inlet. 63 44 09.3 68 32 01.4	Fl	Y	6s	5.0	7	Square skeleton tower, fluorescent orange daymarks on 3 sides.	Flash 1 s; eclipse 5 s Seasonal. Chart:7127
								4.6	

HUDSON STRAIT AND BAY

EDN #

04/98

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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Inland Waters (Cont'd)

Iqaluit (Frobisher Bay) - Cont'd

2585 H56.2	Koojesse Inlet range	63 44 36.8	F	G	12.8	Square skeleton tower, fluorescent orange daymark. 12.1	Visible in line of range. Year round
		68 31 50.9						
2586 H56.21		344°12' 418.5m from front.	F	G	30.1	.....	Square skeleton tower, fluorescent orange daymark. 15.2	Visible in line of range. Year round.

Chart:7127

2600 H35.4	Mission Lake	Chesterfield Inlet. 63 20 35.5 90 41 14	FI	W	6s	15.8	9	Square skeleton tower, fluorescent orange rectangular daymark. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Year round.
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Chart:5620

2601 H24	Dunne Foxe Island	On Easternmost Island. 62 15 20 92 00 24	FI	W	6s	21.7	8	Square skeleton tower. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Year round.
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Chart:5397

2602 H25	Walrus Island Racon --- (Y) X Band	Mistake Bay. 61 58 12 92 27 48	FI	W	6s	14.6	8	Triangular skeleton tower, fluorescent orange rectangular daymark. 9.1	Flash 1 s; eclipse 5 s Radar reflector. Year round.
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Chart:5397

2603 H25.5	Sentry Island Racon --- (C) X & S Band	61 09 34.6 93 52 14.5	FI	W	6s	35.6	7	Square skeleton tower. 15.2	Flash 1 s; eclipse 5 s Year round.
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Chart:5398

Churchill Harbour

2605	Churchill Harbour light and bell buoy	58 49 40.3 94 06 16.5	Mo(A)	W		Red and white vertical stripes.	Year round.
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Chart:5640

2606	Merry Rock light and bell buoy C1	NW. of rock. 58 47 29.8 94 12 19.5	Q	G	1s	Green, marked "C1".	Year round.
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Chart:5640

2607	Merry Rock light buoy C2	58 47 40.8 94 12 23.5	Q	R	1s	Red, marked "C2".	Year round.
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Chart:5640

2608 H28	Fort Prince of Wales range	58 47 39.4 94 12 56	F	W		9.0	Triangular skeleton tower, fluorescent orange daymark, black vertical stripe. 6.0	Visible in line of range. Year round
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2609 H28.1		343°49' 385.2m from front.	F	W		12.0	Triangular skeleton tower, fluorescent orange daymark, black vertical stripe. 9.1	Visible in line of range. Year round.
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Chart:5640

HUDSON STRAIT AND BAY

EDN #

04/98

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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Inland Waters (Cont'd)

Churchill Harbour - (Con'd)

2610 H29	Ship Point range	58 47 28.1 94 13 22.7	F	W	10.0	Triangular skeleton tower, fluorescent orange daymark, black vertical stripe.	Visible in line of range. Year round
2611 H29.1		317°37' 196.3m from front.	F	W	14.0	.....	Triangular skeleton tower, fluorescent orange daymark, black vertical stripe.	Visible in line of range. Year round.
								Chart:5640
2612 H27	Churchill range	58 47 00.9 94 13 59.2	F	W	24.0	.....	Triangular skeleton tower, fluorescent orange slatwork daymark.	Visible in line of range. Year round
2613 H27.1		236°25' 1632.8m from front.	F	W	48.0	.....	Triangular skeleton tower, fluorescent orange slatwork daymark.	Visible in line of range. Year round.
								Chart:5640
2614	Merry Rock light buoy C4	58 47 22.8 94 12 57	Fl	R	4s	.....	.....	Red, marked "C4". Year round.
								Chart:5640
2615	Cape Merry light buoy C3	58 47 17.8 94 12 32	Fl	G	4s	.....	.....	Green marked "C3". Year round.
								Chart:5640
2616	Cape Merry light buoy C5	58 47 09.8 94 12 33	Fl	G	4s	.....	.....	Green, marked "C5". Year round.
								Chart:5640
2617	Cape Merry light buoy C6	58 47 02.3 94 12 48	Fl	R	4s	.....	.....	Red, marked "C6". Year round.
								Chart:5640
2618	Churchill wharf Approach light buoy C7	58 46 50.8 94 12 11	Fl	G	4s	.....	.....	Green, marked "C7". Year round.
								Chart:5640
2619	Churchill wharf light buoy C9	58 46 45.8 94 11 57	Fl	G	4s	.....	.....	Green, marked "C9". Year round.
								Chart:5640
2620	Churchill wharf light buoy C8	58 46 43.3 94 12 13	Fl	R	4s	.....	.....	Red, marked "C8". Year round.
								Chart:5640
2621	Churchill wharf light buoy C10	S. end of wharf. 58 46 16.8 94 11 40	Fl	R	4s	.....	.....	Red, marked "C10". Year round.
								Chart:5640
2622 H26	Churchill Harbour Radiobeacon Racon --- (G) X & S Band	On E. side of harbour. 58 46 29.1 94 11 22.2	Fl	R	6s	66.4	.....	On top of grain elevator. 61.2 Flash 1 s; eclipse 5 s Year round.
								Chart:5640

Buoys are placed by local knowledge to mark changing channel and may not be in the position shown.

2625	Moose River Approach light buoy M	51 26 04 80 15 56.7	Mo(A)	W	.....	.....	Red and white vertical stripes, marked "M".	Year round.
								Chart:5860

HUDSON STRAIT AND BAY

EDN #

04/98

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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Inland Waters (Cont'd)

Buoys are placed by local knowledge to mark changing channel and may not be in the position shown.

2626	Moose River Approach light buoy M2	51 25 05 80 18 19	Fl R	4s	.....	Red, marked "M2".	Year round.	Chart:5860
2627	Ship Sands Island light buoy M6	51 21 31 80 24 13.8	Fl R	4s	.....	Red, boat type, marked "M6".		Chart:5860
2628	Moose River East Bar light buoy M5	51 23 24 80 22 03	Fl G	4s	.....	Green, boat type, marked "M5".		Chart:5860
2629	Moosonee light buoy M14	51 16 39 80 37 27	Fl R	4s	.....	Red, boat type, marked "M14".		Chart:5861
2630	Charles Island light buoy M16	N. of island. 51 16 01 80 37 48	Fl R	4s	.....	Red, boat type, marked "M16".		Chart:5861
2631	Charles Island light buoy M17	51 16 01 80 37 44	Fl G	4s	.....	Green, boat type, marked "M17".	Year round.	Chart:5861
2632 H36.8	Charles Island	NE. corner of island. 51 15 30 80 38 09	Fl W	4s	9.1	Skeleton tower.	Year round.	Chart:5861

**CANADIAN COAST GUARD
MARINE INFORMATION REPORT AND SUGGESTION SHEET**

Navigating Officer or Observer: _____ Captain: _____

Ship (or address) _____

If Merchant Vessel add Line or

Company with Head Office address: _____

General locality: _____

Subject: _____

Approx. position: _____ Lat. _____ Long. _____

Chart No. used to plot: _____ (Corrected to N/N No. _____ of 19 _____) Publications affected: (Quote Volume and page) _____

* Full details (Attach additional sheets as necessary)

Time (UTC) _____ Date _____

INSTRUCTIONS:

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

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

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

Director General, Marine Navigation Services Directorate,
Canadian Coast Guard,
Department of Fisheries and Oceans,
Ottawa, Ontario, K1A 0E6

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

OR

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

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