# PLANNING TABLE OF CONTENTS

	Page
FLIGHT PLAN / FLIGHT ITINERARY	C2
VFR POSITION REPORTS	C2
IFR POSITION REPORTS	C2
CONTENTS OF AN ARRIVAL REPORT	C2
PIREP	C2
EQUIPMENT PREFIXES AND SUFFIXES	C3
USE OF TRANSPONDER CODES	C4
EMERGENCY SECURITY CONTROL OF AIR TRAFFIC (ESCAT) PLAN	C4
CANADIAN AIRSPACE BOUNDARIES	C5
ALTIMETER SETTING AND DESIGNATED MOUNTAINOUS REGIONS	C6
CHARACTERISTICS OF AIRSPACE	C7
CLASSIFICATION OF AIRSPACE	C7
TRANSPONDER AIRSPACE	C8
TRANSPONDER REQUIREMENTS	C8
CONTROLLED LOW LEVEL AIRSPACE	C9
CRUISING ALTITUDES & FLIGHT LEVELS APPROPRIATE TO AIRCRAFT TRACK	C9
WEATHER MINIMA VFR FLIGHT	C10
VFR FLIGHT PLANS / ITINERARIES	C11
KOCH CHART	C11
VFR CHART UPDATING DATA	C13
YUKON, NORTHWEST TERRITORIES AND NUNAVUT	C13
BRITISH COLUMBIA	C16
ALBERTA	C34
SASKATCHEWAN	C46
MANITOBA	C52
ONTARIO	C58
QUEBEC	C80
MARITIME PROVINCES	C99
NEWFOUNDLAND & LABRADOR	C109
FLIGHT RESTRICTIONS	C114
PREFERRED IFR ROUTES	C115
LOW ALTITUDE	C115
HIGH ALTITUDE	C131
FIXED RNAV ROUTES	C149
NORTH AMERICAN ROUTE PROGRAM (NRP)	C150
NORTH AMERICAN ROUTES (NARs) FOR NORTH ATLANTIC TRAFFIC	C151
NAR OVERVIEW - EASTBOUND ROUTES COMMON PORTION	
NAR OVERVIEW - WESTBOUND ROUTES COMMON PORTION	C155
WESTBOUND ROUTES NON-COMMON PORTION	C158
INTERSECTIONS AND REPORTING POINT CO-ORDINATES	C171
AEDONALTICAL CHART DISTRIBLITORS	C100

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C2 PLANNING

### FLIGHT PLAN / FLIGHT ITINERARY

The following lists the order of filing:

- Aircraft identification (aircraft registration mark, flight number or radio call sign)
- 2. Flight rules
- Type of flight 3.
- 4. Number (if more than one)
- 5. Type of aircraft
- 6. Wake turbulence category
- 7. Equipment (see page C3)
- 8. Departure aerodrome
- 9. Time of departure (UTC) proposed/actual
- Cruising speed 10.
- Altitude / Level 11
- 12. Route
- 13 Destination aerodrome
- 14. Estimated elapsed time enroute (hrs & min)
- SAR time\* 15.
- Not required in an ICAO flight plan/flight itinerary.

- 17. Other information (ADCUS if applicable)
- Alternate aerodrome(s) (if required)
  - 18. Endurance (hrs & min)
  - Total no of persons on board 19.
  - 20 Type of emergency locator transmitter\*
  - 21. Survival equipment (type, jackets, dinghies)
  - 22. Aircraft colour and markings
  - 23. Remarks (regarding other survival equipment)
  - 24 Arrival report - where it will be filed\*
  - 25 Name and number or address of person or company to be notified if SAR action initiated\*
  - 26. Pilot's name
  - 27. Pilot's licence no (Canadian pilot licence only)\*

Next reporting point and ETA\*\*

Name only of the next succeeding

# RAC 3.0 Flight Planning for detailed instructions in completing the NAV CANADA form.

MIL: Flights originating from locations where no DND flight planning facilities are available will file the NAV CANADA Canadian Flight Plan and Flight Itinerary form as described herein. See TC AIM

VFR POSITION REPORTS Reports not required (except ADIZ reports) but will assist search and rescue if needed. Report to Flight Service Stations. In uncontrolled airspace report on 126.7 however if reporting on another frequency

Identification 1.

also broadcast on 126.7.

2. Position

4.

Time over 3. Altitude

5. VFR Flight Plan

> reporting point Remarks

- 6. Destination
- 7.

6

7

8

### IFR POSITION REPORTS

- Identification 1
- 2 Position
- 3. Time
- 4
- 5. Type of flight plan or flight itinerary\*
  - If providing position reports via Automatic Dependant Surveillance (ADS) it is not necessary to indicate the type of flight plan.
- If the time estimate for the next applicable reporting point differs from the previously reported estimate by three minutes or more, a revised estimated time should be notified as soon as possible to the appropriate Air Traffic Services (ATS) unit.

### **CONTENTS OF AN ARRIVAL REPORT**

- The aircraft registration mark, flight number or radio call sign
- 2. The type of flight plan or flight itinerary
- 3. The departure aerodrome
- 4. The arrival aerodrome
- 5. The date and time of arrival

## **PIREP**

- Location and time of phenomena (ident, 1. radial, dist, time)
- 2. Altitude
- 3. Aircraft type
- 4 Cloud (Base, Amount, Top)
- Temperature 5.
- 6. Wind direction and speed
- Turbulence (intensity, type, altitude) 7. 8. Icing (intensity, type, altitude)
- Remarks 9

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

### **EQUIPMENT PREFIXES AND SUFFIXES**

#### **AIRCRAFT**

- /H HEAVY, to indicate an aircraft type with a maximum certificated takeoff mass of 136,000 kg (300,000 lbs) or more.
- MEDIUM, to indicate an aircraft type with a maximum certificated takeoff mass of less than 136,000 kg (300,000 lbs) but more than 7,000 kg (15,500 lbs).
- /L LIGHT, to indicate an aircraft type with a maximum certificated takeoff mass of 7,000 kg (15,500 lbs) or less.

Separate the type of aircraft and wake turbulence category from the COM/NAV equipment by a hyphen (-), then, following the COM/NAV suffixes add a forward slash (/) and denote the SSR equipment.

### (a) COM/NAV equipment

INSERT one letter as follows:

N - if no COM/NAV approach aid equipment for the route to be flown is carried, or the equipment is unserviceable

or S

STANDARD (VHF, ADF, VOR and ILS)

#### and/or

INSERT one or more of the following letters to indicate the COM/NAV approach aid equipment available and serviceable:

Α	(Not allocated)	M	(Not allocated)
В	(Not allocated)	0	VOR
С	LORAN	Р	(Not allocated)
D	DME	Q	(Not allocated)
E	(Not allocated)	R	RNP type certification (Note 3)
F	ADF	T	TACAN
G	GNSS	U	UHF
Н	HF RTF	V	VHF
1	INS	W	RVSM certification (Note 4)
J	Data Link (Note 2)	X	MNPS certification
K	MLS	Υ	CMNPS certification
L	ILS	Z	Other equipment carried (Note 1)

## NOTES:

- If the letter "Z" is used, specify in "Other Information" the other equipment carried, preceded by COM/ or NAV/, as appropriate.
- If the letter "J" is used, specify in "Other Information" the equipment carried, preceded by DAT/, followed by one or more letters as appropriate.
- Inclusion of the letter "R" indicates that an aircraft meets the RNP type prescribed for the route segment(s), route(s) and/or area concerned.
- The letter "W" is not to be used for formation flights, regardless of the RVSM status of the aircraft within the flight.

## (b) SSR equipment

INSERT one of the following to describe the serviceable SSR equipment carried:

- N Ni
- A Transponder-Mode A (4 digits-4096 codes)
- C Transponder-Mode A (4 digits-4096 codes) and Mode C
- X Transponder-Mode S, without both aircraft identification and pressure-altitude transmission
- P Transponder-Mode S, including pressure-altitude transmission, but no aircraft identification transmission
- I Transponder-Mode S, including aircraft identification transmission, but no pressure-altitude transmission
- S Transponder-Mode S, including both pressure-altitude and aircraft identification transmission.
- D ADS capability



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C4 PLANNING

### **EQUIPMENT PREFIXES AND SUFFIXES - Cont'd**

Examples:

Aircraft	Equipment	Write
Cessna 172	VHF only and no transponder	C172/L-V/N
Cessna 414	TCAS equipped,light weight VHF, VOR, ADF, ILS, DME, HF and Mode A- Mode C transponder	C414/L-SDH/C

### **USE OF TRANSPONDER CODES**

#### IFR:

Controlled High Level Airspace – Mode A, Code 2000 plus Mode C, if no direction is

given by ATC.

Uncontrolled High Level Airspace – Mode A, Code 2000 plus Mode C if available, if no

direction is given by ATC.

Controlled Low Level Airspace above 12,500 ASL

Mode A, Code 1000 plus Mode C, if no direction is

given by ATC.

All Other Low Level Airspace – Mode A, Code 1000 plus Mode C if available, if no

direction is given by ATC.

#### VFR:

Code 1200, for operation at or below 12,500 ASL.

Code 1400, for operation above 12,500 ASL.

NOTE: If an aircraft leaves confines of an airspace in which a specific code was assigned, the pilot

is responsible for changing to the applicable code above.

Emergencies – COMM Failure – Mode A, Code 7600
Emergency – Mode A, Code 7700

Hijack – Mode A, Code 7700

CAUTION: Pilots should select transponder codes with care so as to avoid inadvertent selection

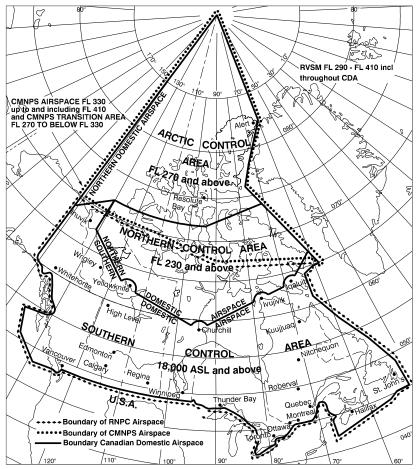
of emergency codes.

Flight crews of aircraft equipped with transponders capable of Mode C automatic altitude reporting capability are requested to adjust their transponders to transmit Mode C when operating in Canadian Airspace unless deactivation is requested by ATC.

## **EMERGENCY SECURITY CONTROL OF AIR TRAFFIC (ESCAT) PLAN**

- The ESCAT rules will only be implemented in times of crisis and war, and restrictions to aircraft
  movements will not be imposed for any greater time or degree than is necessary to meet the
  military tactical requirements. When the plan is implemented it applies to all Canadian airspace.
  The total plan including wartime air traffic priority numbers and ESCAT zones are contained in a
  joint DND/TC publication.
- When notified that ESCAT is in effect, pilots of aircraft operation into or over Canada or planning to operate into or over Canada shall:
  - (a) comply with instructions from ATC units to change course or altitude, or to land;
  - (b) include the appropriate Wartime Air Traffic priority number when filing flight plans and obtain approval from an appropriate ATC unit prior to take-off; and
  - (c) make position reports as required by the instrument flight rules and/or as directed in applicable Command/Group Squadron Orders.

### **CANADIAN AIRSPACE BOUNDARIES**



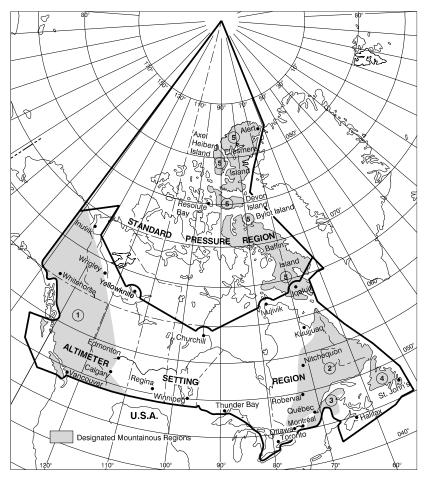
NOTE:

- Only aircraft certified by state of registry as meeting Minimum Navigation Performance Specifications (MNPS) of either the North Atlantic (NAT) or Canada will be permitted to operate within the designated CMNPS airspace, unless the appropriate Air Traffic Control Unit indicates that the aircraft in question can be accommodated without penalizing CMNPS certified aircraft.
- See TC AIM, Section RAC 12 for details.
- Reduced Vertical Separation Minimum (RVSM)
   See TC AIM, Section RAC 11 and 12 for details.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C6 PLANNING

## **ALTIMETER SETTING AND DESIGNATED MOUNTAINOUS REGIONS**



Aircraft flying IFR in Designated Mountainous Regions outside of designated airways/air routes shall be flown at an altitude of at least 2000 feet above the highest obstacle within 5NM of the aircraft when in areas 1 & 5, or 1500 feet in areas 2, 3 & 4.

## **CHARACTERISTICS OF AIRSPACE**

### **CLASSIFICATION OF AIRSPACE**

For further information regarding Canadian Airspace see the Transport Canada publication, the Designated Airspace Handbook (DAH), TP 1820E.

#### Class "A" Airspace (IFR)

Controlled high level airspace within which only IFR flight is permitted. ATC separation is provided to all aircraft. The vertical dimensions of Class A airspace are as follows:

Southern Control Area–18,000 ASL to FL600 inclusive Northern Control Area–FL230 to FL600 inclusive Arctic Control Area–FL270 to FL600 inclusive

#### Class "B" Airspace (IFR and VFR)

Controlled airspace within which both IFR and VFR flights are permitted. All controlled low level airspace above 12,500 ASL or at and above the MEA, whichever is higher, up to but not including 18,000 ASL. ATC separation is provided to all aircraft.

Control zones and associated terminal areas may also be classified as Class B airspace.

### Class "C" Airspace (IFR and VFR)

Controlled airspace within which both IFR and VFR flights are permitted, but VFR flights require a clearance to enter. ATC separation is provided for all IFR aircraft and, as necessary to resolve possible conflicts, between IFR and VFR aircraft.

Control zones and associated terminal areas may also be classified as Class C airspace.

#### Class "D" Airspace (IFR and VFR)

Controlled airspace within which both IFR and VFR flights are permitted, but VFR flights must establish two-way communication with the appropriate ATC agency prior to entering the airspace. ATC separation is provided only to IFR aircraft.

Control zones and associated terminal areas may also be classified as Class D airspace.

#### Class "E" Airspace (IFR and VFR)

All high level controlled airspace above FL600. Also, low level airways, low level fixed RNAV routes, control area extensions, transition areas or control zones established without an operating control tower may be classified Class E airspace.

### Class "F" Airspace (IFR and VFR)

Airspace of specified dimensions. Class F airspace may be restricted airspace or advisory airspace, military operations areas or danger areas, and can be controlled airspace, uncontrolled airspace, or a combination of both.

## Class "G" Airspace (IFR and VFR)

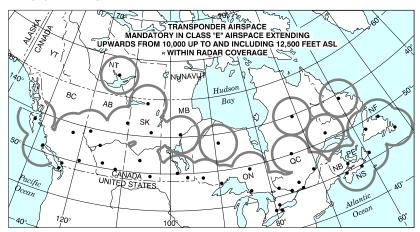
Airspace within which IFR and VFR flights are not subject to control. Airspace not designated A, B, C, D. E. or F is classified G.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C8 PLANNING

### CHARACTERISTICS OF AIRSPACE - Cont'd

#### TRANSPONDER AIRSPACE



#### TRANSPONDER REQUIREMENTS

Aircraft are required to be equipped with a functioning transponder incorporating an automatic pressure altitude reporting device when operating in the following airspace:

- a) all Class A airspace;
- b) all Class B airspace;
- c) all Class C airspace; and
- d) all Class D and Class E airspace that is specified as "Transponder Airspace" in the *Designated Airspace Handbook (DAH TP 1820E*), as follows:
  - I. Class D TCAs and/or Class D CZs at the following aerodromes:
    - i. Kelowna, BC Class D CAE,
    - ii. Calgary, AB TCA,
    - iii. Winnipeg/James Armstrong Richardson Intl, MB TCA and CZ,
    - iv. Ottawa/Macdonald-Cartier Intl, ON TCA,
    - v. Québec/Jean Lesage Intl, QC TCA and CZ,
    - vi. St. Hubert, QC within the Montréal/Pierre Elliott Trudeau Intl & Montréal Intl (Mirabel), QC TCA excluding the St. Hubert CZ, and
    - vii. Halifax/Stanfield Intl, NS TCA and CZ;
  - II. Class E airspace of defined dimensions at the following aerodromes:
    - i. Regina, SK
    - ii. Saskatoon/John G. Diefenbaker, SK
    - iii. Thunder Bay, ON
    - iv. Moncton, NB
    - v. St. John's, NL
    - vi. Toronto, ON
- All Class E airspace extending upwards from 10,000 ASL up to and including 12,500 ASL within radar coverage.

Pilots of IFR aircraft within controlled high level airspace shall adjust their transponder to reply on Mode A, Code 2000 and on Mode C unless otherwise instructed by ATC.

NOTE: To enhance the safety of IFR flight in uncontrolled high level airspace, pilots are urged to adjust their transponders to reply on Mode A, Code 2000, plus Mode C, unless otherwise instructed by ATC.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C9

# CHARACTERISTICS OF AIRSPACE - Cont'd CONTROLLED LOW LEVEL AIRSPACE

Airway - 2200 AGL up to but not including 18,000 ASL - (for airway width see TC AIM, RAC).

**Control Area Extension** - Controlled airspace of defined dimensions within the Low Level Airspace extending upwards 2,200 AGL and above, unless otherwise specified.

**Control Zone** - Controlled airspace of defined dimensions extending vertically from the surface of the earth up to and including 3,000 feet above aerodrome elevation, unless otherwise specified.

**Terminal Control Area** - Controlled airspace of defined dimensions designated to serve arriving, departing and enroute aircraft.

**Military Terminal Control Areas** - Controlled airspace of defined dimensions normally established in the vicinity of a military aerodrome and within which special procedures and exemptions exist for military aircaft. The terminology "(Class B, C, D, or E equivalent)" used for the designation of MTCAs describes the equivalent level of service and operating rules for civilian aircraft operating within the MTCA and under military control.

**Transition Area** - Controlled airspace of defined dimensions extending upwards from 700 AGL unless otherwise specified, to the base of overlying controlled airspace.

## CRUISING ALTITUDES & FLIGHT LEVELS APPROPRIATE TO AIRCRAFT TRACK

- The appropriate altitude or flight level for aircraft in level cruising flight is determined in accordance with:
  - (a) the magnetic track in the Southern Domestic Airspace
  - (b) the true track in Northern Domestic Airspace.
- 2. Unless otherwise authorized by ATC the following VFR, CVFR or IFR cruising altitudes apply.
- RVSM cruising flight levels appropriate to aircraft track are applicable in Designated RVSM Airspace.

ALTITUDES OR	AIRCRAFT TRACK		
FLIGHT LEVELS	000° - 179°	180° - 359°	
ABOVE FLIGHT LEVEL 290 FLY 4000' INTERVALS:	BEGINNING AT FLIGHT LEVEL 290 (FL 290, 330, 370, 410, 450)	BEGINNING AT FLIGHT LEVEL 310 (FL 310, 350, 390, 430, 470)	
RVSM	FL 290, 310, 330, 350, 370, 390, 410	FL 300, 320, 340, 360, 380, 400	
AT OR ABOVE 18,000 ASL BUT BELOW FL 290 FLY 2000' INTERVALS:	ODD FLIGHT LEVELS (FL 190, 210, 230, ETC.)	EVEN FLIGHT LEVELS (FL 180, 200, 220, ETC.)	
	IFR and CVFR	IFR and CVFR	
BELOW 18,000 ASL: (FLY	ODD THOUSANDS, ASL (1000, 3000, 5000, ETC.)	EVEN THOUSANDS, ASL (2000, 4000, 6000, ETC.)	
CORRESPONDING FLIGHT LEVELS IN STANDARD	VFR	VFR	
PRESSURE REGION) FLY 2000' INTERVALS:	ODD THOUSANDS plus 500 FT ASL (3500, 5500, 7500, ETC.)	EVEN THOUSANDS plus 500 FT ASL (4500, 6500, 8500, ETC.)	

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C10 PLANNING

# CHARACTERISTICS OF AIRSPACE - Cont'd WEATHER MINIMA VFR FLIGHT

AIRSPACE	VF	R WEATHER MINIMA		
CONTROL ZONES		- FLIGHT VIS AND GROUND VIS WHEN REPORTED NOT LESS THAN 3 MILES		
	- DISTANCE FROM CLOUD: 1 MILE HORIZONTALLY AND 500' VERTICALLY			
	- DISTANCE FROM GROUND OR WATER: VERTICALLY			
CONTROL AREAS	FLIGHT VIS AND GROUND VIS WHEN REPORTED NOT LESS THAN 3 MILES     DISTANCE FROM CLOUD: 1 MILE HORIZONTALLY AND 500' VERTICALLY			
UNCONTROLLED AIRSPACE	1000 AGL OR	- FLIGHT VIS: NOT LESS THAN 1 MILE DAY, 3 MILES NIGHT		
	ABOVE	- DISTANCE FROM CLOUD: 2000' HORIZONTALLY AND 500' VERTICALLY		
	BELOW 1000 AGL	- FLIGHT VIS: 2 MILES DAY (AEROPLANES), 1 MILE DAY (HELICOPTERS)		
		(SEE NOTE), 3 MILES NIGHT		
		- CLEAR OF CLOUD		

NOTE: Aircraft may be operated below 1000 AGL in uncontrolled airspace during the day, in visibilities less than 2 miles for aeroplanes and 1 mile for helicopters, where they are authorized to do so in an air operator certificate, a private operator certificate or a flight training unit operator certificate - helicopter, as applicable.

## SPECIAL VFR (Control zones only)

	Flight visibility and ground visibility when reported
All aircraft except rotorcraft	1 mile
Rotorcraft	1/2 mile

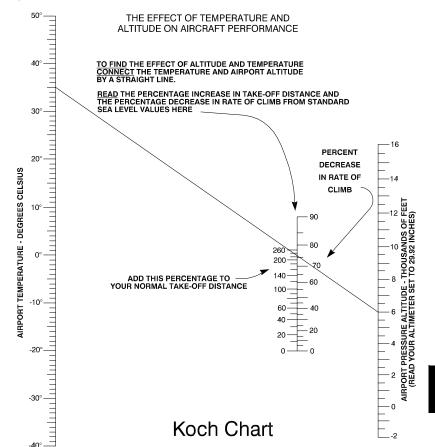
## NOTES:

- All aircraft including helicopters, must be equipped with a radio capable of communicating with the ATC unit and maintain a listening watch with the ATC unit.
- 2. Aircraft must operate clear of cloud and within sight of the ground at all times.
- 3. Helicopters should operate at such reduced airspeeds so as to give the pilot-in-command adequate opportunity to see other air traffic or obstructions in time to avoid a collision.
- 4. When the aircraft is not a helicopter and is being operated at night, ATC will only authorize special VFR where the authorization is for the purpose of allowing the aircraft to land at the destination aerodrome.

# CHARACTERISTICS OF AIRSPACE – Cont'd VFR FLIGHT PLANS / ITINERARIES

All persons intending to operate VFR within Canadian airspace must file a VFR flight plan or flight itinerary unless the flight will be conducted within 25NM of the departure aerodrome.

### **KOCH CHART**



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C12 PLANNING

INTENTIONALLY

LEFT

BLANK

# VFR CHART UPDATING DATA YUKON, NORTHWEST TERRITORIES AND NUNAVUT

## YUKON, NORTHWEST TERRITORIES AND NUNAVUT - AIR NAVIGATION RADIO AIDS

Alert TACAN ident ULT changed to DME only.

Brevoort NDB ident "XAS" freq 385 at N63 20 20 W64 09 23 decommissioned.

Colomac NDB ident "4C" freq 313 at N64 24 30 W115 05 43 decommissioned.

Cape Dyer NDB ident "VN" freq 248 at N66 39 55 W61 21 39 decommissioned.

Cape Parry NDB ident "UE" freq 354 at N70 10 24 W124 43 48 decommissioned.

Coral Harbour NDB ident "YZS" at N64 08 55 W83 18 17 freq changed to "362".

Coral Harbour NDB ident "ZS" freq 362 at N64 09 08 W83 22 22 decommissioned.

Coral Harbour DME ident "YZS" relocated to N64 08 55 W83 18 11.

Coral Harbour DME ident "YZS" changed to "ZS", freq changed to "109.7", Chan changed to "34".

Dewar Lakes NDB ident "UW" freq 315 at N68 38 47 W71 13 46 decommissioned.

Diavik DME ident "2Z" freq 382 changed to "IDK" freq 111.3 at N64 30 35 W110 16 02

Fort Good Hope VOR ident "YGH" located at N66 14 10 W128 37 22 var changed to "33°E".

Fort Norman NDB ident "ZFN" renamed Tulita.

Fort Providence NDB ident "I2" freq 283 at N61 19 07 W117 36 02 decommissioned.

Frobay (Iqaluit) VOR ident "YFB freq 117.4" located at N63 44 30 W68 28 24 var changed to "31°W".

Hay River NDB ident "HY" freq 311 at N60 45 20 W115 42 33 decommissioned.

Inuvik DME ident "IEV" relocated to N68 18 10 W133 29 55.

Inuvik VOR ident "YEV" located at N68 18 29 W133 32 54 var changed to "35°E"

Koala (Ekati) NDB ident "4A" freq 350 at N64 41 53 W110 36 33 commissioned.

La Biche River NDB ident "G6" freg 391 at N60 07 43 W124 03 05 decommissioned.

Lac La Martre NDB ident "Z3" renamed Wha Ti.

Lady Franklin NDB ident "UJ" freq 347 at N68 28 48 W113 13 30 decommissioned.

Lake Harbour NDB ident "YLC" renamed Kimmirut.

Lupin NDB ident "YWO" freq 205 at N65 45 14 W111 14 16 decommissioned.

Lupin DME ident "UN" freq 111.6 at N65 48 19 W111 13 34 decommissioned.

Lupin VOR ident "UN" freq 111.6 at N65 48 19 W111 13 34 decommissioned.

Munn Bay NDB ident "CZ" renamed Coral Harbour ident "YZS", relocated to N64 08 55 W83 18 17.

Norman Wells VOR ident "YVQ" located at N65 15 51 W126 43 31 var changed to "32°E".

North of Sixty NDB ident "1S" freq 350 at N60 19 08 W103 07 46 decommissioned.

Polaris NDB ident "F4" freq 402 at N75 23 25 W96 55 51 decommissioned.

Rae Lakes NDB ident "20" freq 210 at N64 06 53 W117 18 43 decommissioned.

Rankin Inlet NDB ident "RT" relocated to N62 49 31 W92 06 34.

Ross River NDB ident "YDM" freq 218 at N61 58 24 W132 25 37 decommissioned.

Shepherd Bay NDB ident "US" freq 321 at N68 47 40 W93 26 30 decommissioned.

Shingle Point NDB ident "UA" freq 226 at N68 55 24 137 15 48 decommissioned.

Snowdrift NDB ident "I3" freq 327 at N62 24 54 W110 41 20 decommissioned.

Trout Lake NDB ident "71" freq 258 at N60 26 25 W121 14 30 decommissioned.

Tuktoyaktuk NDB ident "UB" freq 380 at N69 26 04 W133 01 02 changed to "YUB".

Wha Ti NDB ident "Z3" freq 304 at N63 08 38 W117 15 59 decommissioned.

Yellowknife VOR ident "YZF" located at N62 27 52 W114 26 12 var changed to "22°E".

### YUKON, NORTHWEST TERRITORIES AND NUNAVUT - AIRSPACE DESIGNATIONS

AR7 from Tuktoyaktuk NDB to Cape Parry NDB to Holman NDB has been revoked.

AR7 has been redesignated from Tuktoyaktuk NDB to Holman NDB.

AR14 from Shingle Point NDB to Inuvik NDB has been revoked.

AR14 has been redesignated from Holman NDB to Coppermine NDB to Cambridge Bay NDB.

AR17 redesignated from Kangigsujuag NDB to Kimmirut NDB to Frobay NDB.

AR41 designated from Sanikiluaq NDB to Umiujaq NDB.

BR5 from Churchill VOR to Rankin Inlet VOR has been revoked.

BR20 from Dewar Lakes NDB to Clyde River NDB has been revoked.

BR22 has been redesignated from Tuktoyaktuk NDB to Paulatuk NDB.

BR28 designated between Churchill NDB and Rankin Inlet NDB.

BR84 redesignated from Yellowknife NDB to Penvu intxn to Lupin NDB.

RR4 from Yellowknife NDB to Fort Reliance NDB to Baker Lake NDB has been revoked.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C14 PLANNING

### YUKON, NORTHWEST TERRITORIES AND NUNAVUT - AIRSPACE DESIGNATIONS (Cont'd)

RR4 redesignated from Coral Harbour NDB to Cape Dorset NDB to Frobay NDB.

RR30 from Broughton NDB to Cape Dyer NDB has been revoked.

RR30 designated from Pond Inlet NDB to Nanisivik NDB.

RR30 redesignated from Cambridge Bay NDB to Gjoa Haven NDB to Pelly Bay (Town Site) NDB to Hall Beach NDB.

RR30 from Shingle Point NDB to Tuktoyaktuk NDB to Paulatuk NDB to Lady Franklin NDB to Cambridge Bay NDB has been revoked.

RR31 from Holman NDB to Coppermine NDB to Lady Franklin NDB has been revoked.

A9 from Fort Smith NDB to Hay River NDB has been revoked.

B3 from High Level NDB to Hay River NDB to Fort Simpson NDB has been revoked.

B11 from Hay River NDB to Yellowknife NDB has been revoked.

B39 from Whitehorse NDB to Atlin NDB redesignated as BR29.

B39 from Atlin NDB to Watson Lake NDB redesignated as BR36.

B39 from Watson Lake NDB to Dease Lake NDB redesignated as BR36.

R28 from Hay River NDB to Fort Resolution NDB has been revoked. R36 fromn Teslin NDB to Atlin NDB redesignated as BR36.

V21 redesignated from Fort Smith VOR to Itnot intxn to Yellowknife VOR.

V112 designated from Fort Resolution NDB to Hay River VOR.

V112 designated from Hay River VOR to Fort Simpson NDB.

V321 redesignated from Hay River VOR to Nakto intxn to Yellowknife VOR.

V321 outbound track at Yellowknife VOR realigned to R-179.

V343 from Hay River VOR to Jbree intxn to Masin intxn to Fort Simpson VOR has been revoked.

#### DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000' or (5000' to below 10,000').

CYR412 Churchill has been revoked.

CYR415 Churchill has been revoked.

CYR416 Churchill has been revoked.

CYR417 Churchill has been revoked.

## **BLASTING OPERATIONS**

The following is a list of locations where road construction, open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA	SITE		COOF	RDINATES	
Pelly Crossing	2.0NM Radius	at	N62 37 21	W137 14 04	
	23.0NM SW of A/D				
	Sfc to 2000 AGL				
Ekati	1.0NM Radius	at	N64 39 37	W110 41 08	
	2.4NM S of A/D				
	Sfc to 2600 ASL				
Ekati	1.0NM Radius	at	N64 43 30	W110 34 50	
	3.0NM NE of A/D				
	Sfc to 2600 ASL				

## YUKON - CABLE CROSSINGS

LOCATION	HIGHEST PART ASL	(N)LAT (W)LONG
Pelly Crossing	1624	N62 35 22 W136 52 22
Pelly Crossing	1621	N62 35 14 W136 52 38

#### YUKON, NORTHWEST TERRITORIES AND NUNAVUT - CONSERVATION

In the interest of conserving wildlife pilots of aircraft should avoid flight below 2000 AGL over bird nesting areas and over herds of wild animals. Several such areas to be avoided are listed below.

Prince Leopold Island, NU - Migratory Bird Sanctuary

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C15

A wildlife refuge has been established around Prince Leopold Island (aprx N74 W90) and the adjacent marine area to provide critical breeding and feeding habitat for one of arctic Canada's largest concentrations of seabirds. The refuge extends 2.7NM seaward of the shoreline all around the island. Aircraft should avoid overflights below 4300 ASL during the bird's breeding season from May to September inclusive. Permits are required for entry into the Sanctuary by contacting the Canadian Wildlife Service, Yellowknife; except in emergencies.

#### Coburg Island, NU

A National Wildlife Area named Nirjutiqavvik has been established at Coburg Island (aprx N75 57 53 W79 19 27). The refuge extends 10 kilometres seaward of the shoreline all around the Island. Aircraft should avoid overflights below 6000 ASL.

## HAZARDS TO AIRCRAFT OPERATIONS

Hang Gliding Areas

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in VFR weather conditions.

NAME POSITION OPERATING TIMES

Dawson City Near Dawson City townsite

Whitehorse 6NM E, S and W of A/D Daylight

#### SIGNIFICANT OBSTRUCTIONS

The following known obstructions 300° or higher, and significant obstructions less than 300° for a VNC Chart and known obstructions 500° or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG	
Fort Simpson Adj City	500	100	N61 51 42	W121 20 59	
Yellowknife NT 11.5NE	1057	302	N62 34 09	W114 01 18	
Snap Lake 28.5WNW of A/D	1785	302	N63 47 29	W111 52 25	
Diavik 23.5SW of A/D	1945	301	N64 14 35	W110 56 48	
Norman Wells	1191	197	N65 18 16	W126 42 31	

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C16 PLANNING

#### **BRITISH COLUMBIA**

### **BRITISH COLUMBIA - AIR NAVIGATION RADIO AIDS**

Cape Scott NDB ident "ZES" freq 353 at N50 46.9 W128 25.6 decommissioned.

Chilliwack NDB ident "8D" freq 278 at N49 09 16 W121 56 31 decommissioned.

Chilliwack DME ident "8D" freq 114.4 at N49 09 18 W121 56 37 decommissioned.

Cranbrook VOR/DME ident "YXC" freq 112.1 at N49 33 18 W116 05 18 var changed to "16E".

Egg Island NDB ident "UEM" freq 207 at N51 14 57 W127 50 03 decommissioned.

Estevan Point NDB ident "EP" freq 373 at N49 32 58 W126 32 35 decommissioned.

Golden NDB ident "Z6" freq 212 at N51 17 48 W116 59 04 decommissioned.

Golden DME ident "Z6" freq 110.2 at N51 17 48 W116 59 04 decommissioned.

Grand Forks DME ident "2J" freg 109.7 at N49 01 03 W118 25 25 decommissioned.

Houston VOR/DME ident "YYD" freq 114.7 at N54 27 08 W126 39 03 var changed to "20E".

Kemess Creek NDB ident "10" freq 341 at N57 01 09 W126 50 53 commissioned.

MacKenzie DME ident 2U N55 18 W123 08.2 has been revoked.

McInnes Island NDB ident "MS" freq 388 at N52 15.7 W128 43.4 decommissioned.

Pitt Meadows NDB ident "PK" freq 227 at N49 12 41 W122 42 52 decommissioned.

Port Hardy VORTAC ident "YZT freq 112.0 at N50 41 03 W127 21 55 var changed to "19°E".

Prince George VOR/DME ident "YXS" freq 112.3 at N53 53 39 W122 27 20 var changed to "21E".

Skeena NDB ident "TB" freq 254 at N54 28 58 W128 35 29 decommissioned.

Westbank NDB ident "YWB" freq 389 at N49 48 38 W119 37 50 commissioned.

Whitney (Kemess Creek) NDB ident "1R" freq 374 at N56 57 09 W126 42 52 commissioned.

Williams Lake VORTAC ident "YWL" freq 113.6 at N52 14 13 W122 10 11 var changed to "18E".

### **BRITISH COLUMBIA - AIRSPACE DESIGNATIONS**

AR21 between Atlin NDB and Dease Lake NDB redesignated as BR29.

BR43 redesignated from Fort St. John NDB to Merch intxn to Botha intxn.

A1 from Port Hardy NDB to Cevin intxn to Sandspit NDB has been redesignated from Port Hardy NDB to Sandspit NDB.

A10 from Port Hardy NDB to Bella Bella NDB has been revoked.

A10 from Bella Bella NDB to McInnes Island NDB has been revoked.

A10 designated from Bella Bella NDB to Mitek intxn to Prince Rupert NDB.

A15 from Port Hardy NDB to McInnes Island NDB to Banne intxn revoked.

B3 from Cranbrook NDB to Turner Valley NDB to Calgary NDB has been revoked.

B4 designated from Cultus NDB to Princeton NDB.

B8 redesignated from Princeton NDB to Durak intxn to Kamloops NDB.

B10 designated from Lyton intxn to Stoan intxn to Kamloops NDB.

B13 from Kelowna NDB to Enderby NDB has been revoked.

B22 from Fort St. John NBD to Botha intxn to High Level NDB has been redesignated as BR43.

B22 redesignated from Hope NDB to Ikbak intxn to Ashcroft NDB.

B22 from Prince George NDB to Otonu intxn to Fort St. John NDB has been revoked.

B25 from McInnes Island NDB to Kitimat NDB has been revoked.

B25 designated from Bella Bella NDB to Kitimat NDB.

B27 redesignated from Ashcroft NDB to Stoan intxn to Durak intxn to Kelowna NDB.

B39 between Whitehorse NDB and Atlin NDB redesignated as BR29.

B39 between Atlin NDB and Watson Lake NDB redesignated as BR36.

B39 between Watson Lake NDB and Dease Lake NDB redesignated as BR36.

B43 between Dease Lake NDB and Liard River NDB redesignated as BR29.

B79 from McInnes Island NDB to Sandspit NDB has been revoked.

B79 designated from Bella Bella NDB to Sandspit NDB.

G1 redesignated from Jully intxn to Anjer intxn to Castlegar NDB to Tesak intxn to Cranbrook NDB.

R4 from Smithers NDB to Prince George NDB has been revoked.

R10 from Cultus NDB to Princeton NDB to Enderby NDB has been revoked.

R12 redesignated from Prince George NDB to Otepi intxn to Grande Prairie NDB.

R30 from Dawson Creek NDB to Peace River NDB to Fort McMurray NDB has been revoked.

R36 between Teslin NDB and Atlin NDB redesignated as BR36.

V300 redesignated from Tofino NDB to Avumu intxn to Omvin intxn to Dutok intxn to Victoria VOR/DME.

V300 redesignated from Goate intxn to Dasbi intxn to Locan intxn.

V301 redesignated from Davon intxn to Ikmus intxn to Prince George VOR.

## BRITISH COLUMBIA - AIRSPACE DESIGNATIONS (Cont'd)

V302 redesignated from Pnask intxn to Wtman intxn to Humek intxn.

V304 redesignated from Tofino NDB to Sigta intxn to Foche intxn to Anvap intxn to Arrue intxn to Casdy intxn to Faxto intxn to Vancouver VOR.

V304 realigned from Enderby VOR to Wellf intxn to Sprae intxn to Canop intxn to Calgary VOR. Wellf intxn formed by a bearing of 059° from Enderby VOR at 90 DME. Sprae intxn formed by a bearing of 244° from Calgary VOR at 60 DME. Canop intxn formed by a bearing of 244° from Calgary VOR at 29 DME.

V304 redesignated from Stumm intxn to Suvak intxn to Enderby VORTAC.

V307 from McInnes Island NDB to Sandspit VOR to Annette Island VORTAC revoked.

V307 from Wacal intxn to Zayas intxn to Can/USA bdry to Annette Island VORTAC revoked.

V317 redesignated from Annette Island VORTAC to Can/USA bdry to BOKMA intxn to Sandspit VORTAC to Bella Bella NDB to Port Hardy VORTAC.

V321 from Fort St. John VOR to Merch intxn to Botha intxn to High Level VOR revoked.

V321 redesignated from Williams Lake VOR to Drago intxn to Lidul intxn to Prince George VOR.

V323 from Ashcroft NDB to Kamloops NDB has been revoked.

V323 redesignated from Kamloops NDB to Chace intxn to Enderby VOR. Chace intxn relocated to N50 41.0 W119 40.3.

V324 redesignated from Kamloops NDB to Floon intxn to Mibti intxn to Williams Lake VOR.

V325 redesignated from Ashcroft NDB to Lorvo intxn to Williams Lake VOR.

V338 redesignated from Vancouver VORTAC to Moddy intxn to Janek intxn to Lyton intxn to Ashcroft NDR

V347 from Sandspit VORTAC to Bella Bella NDB to Port Hardy VORTAC revoked.

V362 from McInnes Island NDB to Nilla intxn revoked.

V362 from Nilla intxn to Tumez intxn to Can/USA bdry to Annette Island VORTAC revoked.

V369 redesignated from Booth intxn to Cauga intxn to Princeton VOR.

V440 redesignated from Sandspit VORTAC to Bella Bella NDB to Port Hardy VORTAC.

Abbotsford Class "D" Control Zone within Canada has been revoked.

Abbotsford Class "C" Control Zone has been designated as follows: The airspace to 2500′ (2300′ AAE) within the area bounded by a line beginning at N49 00 07.90 W122 33 50.00 to N49 01 59.00 W122 39 50.00 to N49 01 59.00 W122 29 11.86 thence clockwise around the arc of a circle of 5 miles radius centred on N49 01 31.00 W122 21 38.00 Abbotsford, BC ARP to N49 00 08.70 W121 14 19.80 thence along the Can/USA bdry to N49 00 07.90 W122 33 50.00 point of beginning.

Boundary Bay Class "D" Control Zone has been revoked.

Boundary Bay Class "C" Control Zone has been designated as follows:

- (a) The airspace to below 1000′ (1000′ AAE) within the area bounded by a line beginning at N49 06 40.34 W122 57 30.00 to N49 02 03.73 W122 57 30.00 thence clockwise along the arc of a circle of 3 miles radius centred on Boundary Bay, BC ARP to point of beginning.
- (b) The airspace 1000' to 1500' within the area bounded by a line beginning at N49 06 05.00 W122 56 40.52 to 49 06 05.00 W122 51 40.27 thence clockwise along the arc of a circle of 6 miles radius centred on Boundary Bay, BC ARP to N49 01 21.88 W122 52 31.33 to N49 01 21.15 W123 00 25.00 thence clockwise along the arc of a circle of 3 miles radius centred on Boundary Bay, BC ARP to point of beginning.

Campbell River Class "E" Control Zone has been redesignated as follows: The airspace within the areas bounded by a circle of 5 miles radius centred on Campbell River, BC ARP, excluding the class G airspace below 700′ bounded by a line beginning at N50 01 53.89 W125 14 20.98 to N50 00 39.00 W125 14 33.00 to N49 54 14.52 W125 09 51.73 thence counter-clockwise along the arc of a circle of 5 miles radius centred on Campbell River, BC ARP to point of beginning.

Dawson Creek Class "E" Control Zone has been designated as follows: The airspace within the areas bounded by a circle of 5 miles radius centred on N55°44'32.40"W120°10'58.80"

Kelowna Class "D" Control Area Extension has been designated as follows: The airspace above 4000 ASL to 6500 ASL within the area bounded by a line beginning at N50 08 11 W119 30 05; thence to N50 13 29 W119 30 10 to N50 13 36 W119 26 09 to N50 06 38 W119 20 51 to N50 07 47 W119 27 37; to the point of beginning.

Kelowna Class "D" Control Zone has been redesignated as follows: The airspace within the area bounded by a line beginning at N50 07 47 W119 27 37 to N50 06 38 W119 20 51 to N49 52 36 W119 18 24 to N49 50 37 W119 29 40 to N49 54 06 W119 29 45 to N50 00 45 W119 26 25; thence to the point of beginning.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C18 PLANNING

#### BRITISH COLUMBIA - AIRSPACE DESIGNATIONS (Cont'd)

Kelowna Class "D" Transponder Airspace has been designated as follows: The airspace above 4000 ASL up to and including 6500 ASL within the area bounded by a line beginning at N50 08 11 W119 30 05; thence north to N50 13 29 W119 30 10 to N50 13 36 W119 26 09 to N50 06 38 W119 20 51 to the point of beginning.

Kelowna Class "D" Transponder Airspace has been designated as follows: The airspace above 3000 ASL up to and including 6500 ASL within the area bounded by a line beginning at N50 08 11 W130 30 05; thence east to N50 06 38 W119 20 51 to N49 52 36 W119 18 24 to N49 50 37 W119 29 40 to the point of beginning.

Langley Class "D" Control Zone has been redesignated as Class "C".

Pitt Meadows Class "D" Control Zone has been redesignated as Class "C".

Prince Rupert "E" Control Zone has been redesignated as follows: The airspace within the areas bounded by a circle of 5 miles radius centred on Prince Rupert, BC ARP, excluding the class G airspace below 700' bounded by a line beginning at N54 21 56 W130 30 00 to N54 18 26 W130 23 07 to N54 13 27 W130 21 00 thence counter-clockwise along the arc of a circle of 5 miles radius centred on Prince Rupert, BC ARP to point of beginning.

Smithers Control Area Extension has been redesignated as follows: The airspace extending upwards from above 7000 ASL within the area beginning at N54 36 40 W125 59 37; thence counter-clockwise along the 35 mile arc of a circle centred on the Telkwa, BC NDB to N55 12 30 W127 23 00 to N54 44 20 W128 55 50; thence clockwise along the 25 mile arc of a circle centred on the Terrace, BC NDB to N54 36 30 W127 58 52 to N54 40 40 W127 42 30; thence clockwise along the 25 mile arc of a circle centred on the Telkwa, BC NDB to N54 39 40 W126 16 02; thence to the point of beginning.

Vancouver Control Area Extension Class "D" airspace above 4000 ASL up to and including 6500 ASL has been redesignated as follows: The airspace within the area bounded by a line beginning at N50 08 11 W119 30 05; thence north to N50 13 29 W119 30 10 to N50 13 36 W119 26 09 to N50 06 38 W119 20 51 to the point of beginning.

Vancouver Control Area Extension Class "D" airspace above 3000 ASL up to and including 6500 ASL has been redesignated as follows: The airspace within the area bounded by a line beginning at N50 08 11 W119 30 05; thence east to N50 06 38 W119 20 51 to N49 52 36 W119 18 24 to N49 50 37 W119 29 40 to the point of beginning.

Vancouver International Class "C" CZ has been redesignated as follows: 2500 ASL (2500' AAE) - The airspace within the area bounded by a line beginning at N49 14 59 W123 09 05 to N49 14 59 W123 01 41; thence clockwise along the arc of a circle of 7NM radius centred on the Vancouver Intl, BC aerodrome to N49 16 36 W123 18 36 to N49 16 36 W123 10 39; thence to the point of beginning, excluding all active Class "F" airspace as may be contained within the CZ.

Vancouver Harbour Class "D" CZ has been redesignated as follows:

The airspace to 2000' (2000' AAE) within the area bounded by a line beginning at N49 16 36.00 W123 14 33.00 to N49 19 52.00 W123 16 12.00 to N49 19 58.83 W123 05 16.22 thence clockwise along the arc of a circle of 5 miles radius centred on N49 15 45.00 W123 09 20.00 to N49 15 16.31 W123 01 44.14 to N49 15 17.00 W123 09 22.00 to N49 16 36.00 W123 10 39.00 to N49 16 36.00 W123 14 33.00 point of beginning.

Vancouver Outer Control Zone, BC:

The airspace to 800′ (800′ AAE) within the area bounded by a line beginning at N49 00 07.50 W123 15 40.78 thence clockwise along the arc of a circle of 12 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 19 57.00 W123 24 22.00 to N49 19 52.00 W123 16 12.00 to N49 16 36.00 W123 14 33.00 to N49 16 36.00 W123 18 32.28 thence counterclockwise along the arc of a circle of 7 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 06 36.26 W123 03 36.76 to N49 06 33.18 W123 03 32.35 thence counter-clockwise along the arc of a circle of 3 miles radius centred on N49 04 22.00 W123 00 25.00 Boundary Bay, BC ARP to N49 04 22.00 W123 04 58.75 to N49 00 07.50 W123 05 05.00 to N49 00 07.50 W123 15 40.78 point of beginning.

PLANNING C19

#### BRITISH COLUMBIA - AIRSPACE DESIGNATIONS (Cont'd)

Vancouver Terminal Control Area redesignated as follows:

Class B airspace above 12,500° to below 18,000° within the area bounded by a line beginning at: N48 18 31.65 W123 13 29.02 to N48 20 31.62 W123 25 06.88 thence clockwise along the arc of a circle of 5 miles radius centred on N48 25 22.00 W123 23 15.00 Victoria Harbour, BC ARP to N48 24 40.15 W123 30 40.94 to N48 28 51.16 W123 31 34.49 thence clockwise along the arc of a circle of 45 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intt, BC ARP to N49 18 59.00 W124 18 55.00 to N49 25 12.00 W124 00 26.00 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intt, BC ARP to N49 29 04.00 W123 57 39.00 to N49 36 59.00 W124 07 46.00 thence clockwise along the arc of a circle of 45 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intt, BC ARP to N49 00 08.50 W122 04 44.63 thence along the Can/USA bdry to N49 00 07.50 W123 19 20.10 Can/USA bdry to N48 49 52.40 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 47 12.60 W123 13 08.20 Can/USA bdry to N48 27 12.60 W123 09 35.50 Can/USA bdry to N48 25 22.20 W123 06 54.50 Can/USA bdry to N48 18 31.65 W123 13 29.02 the point of beginning.

Class C airspace above 9500' to 12,500' within the area bounded by a line beginning at N48 28 51.16 W123 31 34.49 thence clockwise along the arc of a circle of 45 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 18 59.00 W124 18 55.00 to N49 25 12.00 W124 00 26.00 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 29 04.00 W123 57 39.00 to N49 36 59.00 W124 07 46.00 thence clockwise along the arc of a circle of 45 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 00 08.50 W122 04 44.63 thence along the Can/USA bdry to N49 00 07.50 W123 19 20.10 Can/USA bdry to N48 49 52.40 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 48 01.60 W123 00 30.60 Can/USA bdry to N48 43 38.82 W123 08 58.44 Can/USA bdry thence counter-clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 37 14.79 W123 43 29.13 to N48 38 36.59 W123 32 35.56 to N48 28 51.16 W123 31 34.49 point of beginning.

Class C airspace above 8500′ to 9500′ within the area bounded by a line beginning at N48 37 14.79 W123 43 29.13 to N48 41 14.00 W123 55 31.00 to N49 04 32.00 W124 03 00.00 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 00 08.46 W122 20 39.16 thence along the Can/USA bdry to N49 00 07.50 W123 19 20.10 Can/USA bdry to N48 49 52.40 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 43 38.82 W123 08 58.44 Can/USA bdry thence counter-clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 37 14.79 W123 43 29.13 point of beginning.

Class C airspace above  $6500^\circ$  to  $8500^\circ$  within the area bounded by a line beginning at N48 37 14.79 W123 43 29.13 to N48 41 14.00 W123 55 31.00 to N49 04 32.00 W124 03 00.00 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 37 30.78 W123 47 04.34 to N49 34 56.00 W123 13 22.00 to N49 23 16.20 W122 20 27.78 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 00 08.46 W122 20 39.16 thence along the Can/USA bdry to N49 00 07.50 W123 19 20.10 Can/USA bdry to N49 52.40 W123 03 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 43 38.82 W123 08 58.44 Can/USA bdry thence counter-clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 37 14.79 W123 43 29.13 point of beginning.

Class C airspace above 4500' to 6500' within the area bounded by a line beginning at N48 37 14.79 W123 43 29.13 to N48 41 14.00 W123 55 31.00 to N49 04 32.00 W124 03 00.00 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 37 30.78 W123 47 04.34 to N49 34 56.00 W123 13 22.00 to N49 27 32.00 W123 16 24.00 to N49 19 52.00 W123 16 12.00 to N49 19 58.83 W123 05 16.22 to N49 15 24.37 W122 17 49.41 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 06 43.28 W122 18 08.62 thence clockwise along the arc of a circle of 1 mile radius centred on N49 05 45.00 W122 18 30.00 to N49 04 45.47 W122 18 40.74 thence clockwise along the arc of a circle of 35 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 00 08.46 W122 20 39.16 thence along the Can/USA bdry to N49 00 07.50 W123 19 20.10 Can/USA bdry to N48 49 52.40 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry thence counter-clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 37 14.79 W123 43 29.13 point of beginning.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C20 PLANNING

#### BRITISH COLUMBIA - AIRSPACE DESIGNATIONS (Cont'd)

Class C airspace above 2500′ to 4500′ within the area bounded by a line beginning at N48 50 09.00 W123 31 25.00 to N48 53 01.00 W123 38 05.00 to N49 08 08.00 W123 52 39.00 to N49 24 01.00 W123 44 46.00 to N49 19 57.00 W123 24 12.76 to N49 19 52.00 W123 16 12.00 to N49 19 58.83 W123 05 16.22 thence clockwise along the arc of a circle of 5 miles radius centre on N49 15 45.00 W123 09 20.00 to N49 17 14.76 W123 02 02.91 to N49 16 09.00 W122 55 16.00 to N49 11 16.79 W122 31 27.03 to N49 01 59.00 W122 33 50.00 to N49 00 07.90 W122 33 50.00 thence along the Can/USA bdry to N49 00 07.50 W123 19 20.10 Can/USA bdry to N48 49 52.40 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 46 01.60 W123 00 30.60 Can/USA bdry to N48 43 38.82 W123 08 58.44 Can/USA bdry thence counter-clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 50 09.00 W123 31 25.00 point of beginning.

Class C airspace above 3200' to 4500' within the area bounded by a line beginning at N49 19 52.00 W123 16 12.00 to N49 27 32.00 W123 16 24.00 to N49 21 54.00 W123 34 20.00 to N49 19 57.00 W123 24 22.00 to N49 19 52.00 W123 16 12.00 point of beginning.

Class C airspace above 3500' to 4500' within the area bounded by a line beginning at N48 47 30.00 W123 57 35.00 to N48 55 29.00 W123 40 25.00 to N48 53 01.00 W123 38 05.00 to N48 50 09.00 W123 31 25.00 thence counter-clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 37 13.00 W123 43 29.00 to N48 41 14.00 W123 55 31.00 to N48 47 30.00 W123 57 35.00 point of beginning.

Class C airspace above 1500' to 2500' within the area bounded by a line beginning at N49 06 05.00 W122 56 40.52 to N49 06 05.00 W122 51 40.27 thence clockwise along the arc of a circle of 6 miles radius centred on N49 04 22.00 W123 00 25.00 Boundary Bay, BC ARP to N49 01 21.88 W122 52 31.33 to N49 01 21.15 W123 00 25.00 thence clockwise along the arc of a circle of 3 miles radius centred on N49 04 22.00 W123 00 25.00 Boundary Bay, BC ARP to N49 06 05.00 W122 56 40.52 point of beginning.

Class C airspace above 2000' to 2500' within the area bounded by a line beginning at N49 16 36.00 W123 14 33.00 to N49 19 52.00 W123 16 12.00 to N49 19 58.83 W123 05 16.22 thence clockwise along the arc of a circle of 5 miles radius centred on N49 15 45.00 W123 09 20.00 to N49 15 16.31 W123 01 44.14 to N49 15 17.00 W123 09 22.00 to N49 16 36.00 W123 10 39.00 to N49 16 36.00 W123 14 33.00 point of beginning.

Class C airspace above 1200′ to 2500′ within the area bounded by a line beginning at N49 06 33.18 W123 03 32.35 to N49 06 36.26 W123 03 36.76 thence counter-clockwise along the arc of a circle of 7 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 15 16.31 W123 01 44.14 to N49 12 34.00 W122 52 40.02 thence clockwise along the arc of a circle of 12 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 06 43.61 W122 54 17.02 to N49 06 43.00 W122 57 35.00 thence counter-clockwise along the arc of a circle of 3 miles radius centred on N49 04 22.00 W123 00 25.00 Boundary Bay, BC ARP to N49 06 33.18 W123 03 32.35 point of beginning.

Class C airspace above 800' to 2,500' within the area bounded by a line beginning at N49 00 07.50 W123 15 40.78 thence clockwise along the arc of a circle of 12 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 19 57.00 W123 24 22.00 to N49 19 52.00 W123 16 12.00 to N49 16 36.00 W123 14 33.00 to N49 16 36.00 W123 18 32.28 thence counterclockwise along the arc of a circle of 7 miles radius centred on N49 11 42.00 W123 10 55.00 Vancouver Intl, BC ARP to N49 06 36.26 W123 03 36.76 to N49 06 33.18 W123 03 32.35 thencecounter-clockwise along the arc of a circle of 3 miles radius centred on N49 04 22.00 W123 00 25.00 Boundary Bay, BC ARP to N49 04 22.00 W123 04 58.75 to N49 00 07.50 W123 05 05.00 to N49 00 07.50 W123 15 40.78 point of beginning.

Class D airspace above 1500' to 2,500' within the area bounded by a line beginning at:

N49 00 07.50 W122 45 58.00 to N49 01 59.00 W122 45 58.00 to N49 01 59.00 W122 33 50.00 to N49 00 07.90 W122 33 50.00 to N49 00 07.50 W122 45 58.00 point of beginning.

Vancouver Transponder Airspace has been designated as follows:

The airspace to 800′ within the area bounded by a line beginning at N49 00 07.50 W123 15 40.78 thence clockwise along the arc of a circle of 12 miles radius centred on Vancouver Intl, BC ARP to N49 19 57.00 W123 24 22.00 to N49 19 52.00 W123 16 12.00 to N49 16 36.00 W123 14 33.00 to N49 16 36.00

"W123°18'32.28 thence counter-clockwise along the arc of a circle of 7 miles radius centred on Vancouver Intl, BC ARP to N49 06 36.26 W123 03 36.76 to N49 06 33.18 W123 03 32.35 thence counter-clockwise along the arc of a circle of 3 miles radius centred on Boundary Bay, BC ARP to N49 04 22.00 W123 04 58.75 to N49 00 07.50 W123 05 05.00 to N49 00 07.50 W123 15 40.78 point of beginning.

#### BRITISH COLUMBIA - AIRSPACE DESIGNATIONS (Cont'd)

Victoria, BC Terminal Control Area redesignated as follows:

Class C airspace above 2500' to 12,500' within the area bounded by a line beginning at N48 18 31.65 W123 13 29.02 to N48 20 31.62 W123 25 06.88 thence clockwise along the arc of a circle of 5 miles radius centred on N48 25 22.00 W123 23 15.00 Victoria Harbour, BC ARP to N48 24 40.15 W123 30 40.94 to N48 33 36.59 W123 32 35.56 to N48 37 14.79 W123 43 29.13 thence clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 43 38.82 W123 08 58.44 to N48 41 38.40 W123 16 04.40 Can/USA bdry to N48 32 55.40 W123 13 08.20 Can/USA bdry to N48 27 12.60 W123 09 35.50 Can/USA bdry to N48 25 22.20 W123 06 54.50 Can/USA bdry to N48 18 31.65 W123 13 29.02 point of beginning.

Class C airspace above 1200' to 2500' within the area bounded by a line beginning at N48 45 02.91 W123 30 20.93 to N48 49 19.86 W123 34 15.87 thence clockwise along the arc of a circle of 12 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 43 38.82 W123 08 58.44 to N48 41 41.05 W123 15 55.04 thence counter-clockwise along the arc of a circle of 7 miles radius centred on N48 38 49.00 W123 25 33.00 Victoria Intl, BC ARP to N48 45 02.91 W123 30 20.93 point of beginning.

Williams Lake Class "E" Control Zone has been redesignated as follows:

The airspace within the area bounded by a circle of 5 miles radius centred on Williams Lake, BC ARP excluding the Class G airspace below 2800 bounded by a line beginning at N52 09 16.00 W122 10 52.53 to N52 06 46.08 W121 58 53.96 thence clockwise along the arc of a circle of 5 miles radius centred on Williams Lake, BC ARP to point of beginning.

#### **BRITISH COLUMBIA - DANGER, RESTRICTED & ADVISORY AREAS**

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000') or (5000' to below 10,000').

CYA105(H) Chilliwack redesignated as follows: A hang gliding area bounded by a line beginning at N49 04 44 W121 23 23 to N49 15 00 W121 29 00 to N49 14 00 W121 41 30 to N49 03 35 W121 55 30 to the point of beginning.

CYA 113(A)(H) has been redesignated as follows: CYA 113(A)/(T)/(H) Nanaimo. The airspace within the area bounded by a line beginning at N48 48 46.00 W124 05 43.00 to N48 59 59.00 W124 09 05.00 to N48 59 59.00 W124 00 29.00 to N48 54 52.14 W123 53 03.92 to N48 47 31.07 W123 57 32.72 to N48 46 26.69 W123 57 11.90 to N48 48 46.00 W124 05 43.00 point of beginning.

Designated Altitude - Surface to 5000

Time of Designation - Cont Daylight.

CYA116(A) Powell River has been revoked.

CYA116(H) Pemberton designated as follows: The airspace within the area bounded by a line beginning at: N50 33 33 W122 56 51 to N50 31 32 W123 00 52 to N50 19 58 W122 48 18 to N50 21 29 W122 44 50 to N50 33 33 W122 56 51 point of beginning.

Designated Altitude - Surface to 10000

CYA117(H) Oliver designated as follows: The airspace within the area bounded by a line beginning at: N49 14 15 W119 46 30 to N49 14 15 W119 36 45 to N49 12 13 W119 36 45 thence counterclockwise along the arc of a circle of 3 miles radius centred on N49 10 24 W119 33 04 Oliver ARP \ to N49 08 37 W W119 36 45 to N49 01 55 W 119 40 45 to N49 14 15 W119 46 30 point of beginning

Time of Designation - Cont daylight

CYA 118(A)(H) Victoria has been redesignated as follows: CYA 118(A)(T)(H) Duncan. The airspace within the area bounded by a line beginning at N48 41 14.00 W123 55 31.00 to N48 47 31.07 W123 57 32.72 N48 54 52.14 W123 53 03.92 to N48 51 43.46 W123 48 31.34 to N48 55 29.00 W123 40 25.00 to N48 53 01.00 W123 38 05.00 to N48 40 21.00 W123°52'54.00 to N48 41 14.00 W123 55 31.00 point of beginning.

Designated Altitude - To 3000

Time of Designation - Cont Daylight.

CYA120(A) Penticton redesignated as follows: The airspace within the area bounded by a line beginning at N49 18 00 W119 32 30 to N49 18 00 W119 23 00 to N49 05 15 W119 23 00 to N49 05 15 W119 32 30 to N49 07 26 W119 32 30 thence counter-clockwise along the arc of a circle of 3 miles radius centred on the Oliver ARP to N49 13 22 W119 32 30 to the point of beginning.

CYA122(A) Vernon has been redesignated as CYA122(A)/(H).

CYA123(A) Salmon Arm has been revoked.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C22 PLANNING

#### BRITISH COLUMBIA - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYA125(T) Langley has been revoked.

CYA126(A) Abbotsford has been revoked.

CYA127(A) Pitt Meadows has been revoked.

CYA128(A)(H) Chilliwack has been revoked

CYA129(P) Chilliwack redesignated as follows: A parachuting area within a radius of 2NM centred on N49 09 55 W121 50 30.

CYA131(M) Valemount has been added as follows: The airspace within the area bounded by a line beginning at N53 25 00 W118 20 00 to N53 34 00 W120 16 00 to N52 43 00 W121 12 00 to N51 47 00 W120 26 00 to N51 22 00 W119 36 00 to N51 38 00 W118 33 00 to N52 43 00 W117 35 00 to N53 25 00 W118 20 00 point of begining.

Designated Altitude - 10000 to below 18000

Time of Designation - Ocsl by NOTAM

CYA132(H) has been revoked

CYA133(H) Vancouver has been redesignated as follows: The airspace within the area bounded by a line beginning at N49 21 40 W123 01 05 to N49 21 40 W123 05 40 to N49 24 20 W123 07 46 thence clockwise along the arc of a circle of 3 miles radius centred on N49 21 40 W123 05 40 to point of beginning.

Designated Altitude - Surface to 5000 ASL Ocsl higher by NOTAM

CYA134(A) Vanderhoof redesignated as follows: The airspace within the area bounded by a line beginning at N54 00 08 W123 58 20 to N53 55 00 W123 58 20 to N53 55 00 W124 10 00 to N54 00 00 W124 18 00 to N54 07 00 W124 18 00 to N54 07 00 W124 05 00 to N54 04 25 W124 05 00 thence counter-clockwise along the arc of a circle of 3 miles radius centred on the Vanderhoof ARP to the point of beginning.

CYA 135(H) has been redesignated as follows: To 6000 Cont Daylight

CYA145(H) Victoria/Saltspring Island redesignated as follows: A hang gliding area bounded by a line beginning at N48 45 11 W123 30 28 to N48 49 24 W123 34 20; thence clockwise along the arc of a 12NM circle centred on the Victoria Intl ARP to N48 50 09 W123 31 25 to N48 47 06 W123 25 41 to N48 45 50 W123 26 50; thence counter-clockwise along the arc of a 7NM circle centred on the Victoria Intl ARP to the point of beginning.

Designated Altitude - Surface to 2500, ocsl 4000 by NOTAM

Time Of Designation - Ocsl by NOTAM.

CYA151(A) Port Alberni has been revoked.

CYA 152 (P) Abbotsford redesignated as follows: A 1NM radius centred on N49 05 45 W122 18 30 (complete circle)

Designated Altitude - Surface to 4500

Time of Designation - Ocsl by NOTAM

CYA155(P) Victoria has been revoked.

CYA 176(A)(T)(H) has been added as follows: The airspace within the area bounded by a line beginning at N49 18 04.06 W122 45 00.00 to N49 21 40.00 W122 45 00.00 to N49 21 40.00 W122 45 00.00 to N49 26 36.39 W122 45 00.00 to N49 26 08.47 W122 33 16.77 to N49 25 36.39 W122 30 52.98 to N49 21 40.00 W122 32 05.00 to N49 19 37.67 W122 27 25.52 to N49 14 00.00 W122 37 40.00 to N49 17 21.63 W122 37 40.00 to N49 18 04.06 W122 45 00.00 point of beginning.

Designated Altitude - To 4000

Time of Designation - Cont Daylight.

CYA 177(A)(T)(H) has been added as follows: The airspace within the area bounded by a line beginning at N49 14 00.00 W122 37 40.00 to N49 19 37.67 W122 27 25.52 to N49 15 24.37 W122 17 49.41 to N49 11 25.00 W122 17 33.62 to N49 14 00.00 W122 37 40.00 point of beginning.

Designated Altitude - To 4000

Time of Designation - Cont Daylight.

CYA 178(A)(T)(H) has been added as follows: The airspace within the area bounded by a line beginning at N49 11 25.00 W122 17 33.62 to N49 15 24.37 W122 17 49.41 to N49 23 16.20 W122 20 27.78 to N49 20 03.52 W122 12 29.97 to N49 18 36.13 W121 57 51.92 to N49 19 38.55 W121 55 54.00 to N49 13 28.55 W121 55 54.00 to N49 13 28.55 W121 55 54.00 to N49 13 20.00 W122 00 00.00 to N49 10 25.00 W122 05 42.00 to N49 09 30.00 W122 14 00.00 to N49 11 25.00 W122 17 33.62 to point of beginning.

#### BRITISH COLUMBIA - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

Designated Altitude - To 6000

Time of Designation - Cont Daylight.

CYA 179(A)(T)(H) has been added as follows: The airspace within the area bounded by a line beginning at N49 13 28.55 W121 55 54.00 to N49 19 38.55 W121 55 54.00 to N49 15 30.00 W121 15 30.00

Designated Altitude - To 6000

Time of Designation - Cont Daylight.

CYA 180(T) has been added as follows: The airspace within the area bounded by a line beginning at: N49 05 29.00 W122 32 56.27 to N49 09 51.72 W122 31 48.87 to N49 10 10.05 W122 28 18.86 to N49 05 29.04 W122 28 18.86 to N49 05 29.00 W122 32 56.27 point of beginning.

Designated Altitude - To 4000

Time of Designation - Cont Daylight.

CYA 181(A)/(T) has been added as follows: The airspace within the area bounded by a line beginning at N49 05 29.04 W122 28 18.86 to N49 10 10.05 W122 28 18.86 to N49 09 09.48 W122 24 06.96 to N49 07 52.92 W122 22 47 to N49 06 27.31 W122 22 47 thence counter-clockwise along the arc of a circle of 5 miles radius centred on N49 01 31 W122 21 38 to N49 05 29 N122 26 15.30 to N49 05 29.04 W122 28 18.86 point of beginning.

Designated Altitude - To 5500

Time of Designation - Cont Daylight.

CYA 182(A)(T)(H) has been added as follows:The airspace within the area bounded by a line beginning at N49 00 08.70 W122 07 24.00 Can/USA bdry to N49 04 30.00 W122 07 24.00 to N49 04 30.00 W122 08 40.00 to N49 08 15.00 W122 08 00.00 to N49 08 15.00 W122 00 41.01 thence counter-clockwise along the arc of a circle of 3 miles radius centred on N49 09 10.00 W121 56 20.00 Chilliwack ARP to N49 06 10.00 W121 56 40.00 to N49 00 08.70 W122 07 24.00 point of beginning.

Designated Altitude - To 5000

Time of Designation - Cont Daylight.

CYA 183(A)(T)(H) has been added as follows: The airspace within the area bounded by a line beginning at N49 00 08.70 W122 07 24.00 Can/USA bdry to N49 06 10.00 W121 56 40.00 to N49 00 00.30 W121 56 40.00 thence along the Can/USA bdry to N49 00 08.70 W122 07 24.00 point of beginning.

Designated Altitude - To 5000

Time of Designation - Cont Daylight.

CYA 184(A)(T)(H) has been added as follows: The airspace within the area bounded by a line beginning at N49 02 42.64 W121 56 40.00 to N49 06 10.00 W121 56 40.00 thence counterclockwise along the arc of a circle of 3 miles radius centred on N49 09 10.00 W121 56 20.00 Chilliwack ARP to N49 07 15.89 W121 52 48.13 to N49 06 33.93 W121 51 30.35 to N49 02 42.64 W121°56'40.00 point of beginning.

Designated Altitude - To 5500

Time of Designation - Cont Daylight.

CYR101 and CYR106 redesignated as CYD's.

CYR112 Burnaby - has been revoked.

CYR114 Victoria - The area is described as a circle with a radius of 0.5NM centred on N48 28 57 W123 24 39.

Designated Altitude - Surface to 500 ASL

Time of Designation – Cont

CYR115 White Lake -The area is described as a circle with a radius of 1NM centred on N49 18 56 W119 37 51

Designated Altitude – Surface to 1000 ASL

Time of Designation - Cont

Designated Altitude - Above 1000 to 1500 ASL

Time of Designation - Ocsl by NOTAM

CYR141 Matsqui (Abbotsford) redesignated as follows:

The airspace within the area bounded by lines tangent to circles of 0.8 mile radius centred on N49 01 35.00 W122 18 10.0 and N49 01 10.00 W122 18 05.00

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C24 PLANNING

#### BRITISH COLUMBIA - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYR165 Chilliwack - The area bounded by a line beginning at N49 05 16 W121 40 39 to N49 04 20 W121 38 27 to N49 01 30 W121 38 27 to N49 01 30 W121 41 09 to N49 03 55 W121 41 09 to N49 04 08 W121 41 58 to N49 05 08 W121 41 21 to the point of beginning.

Designated Altitude - Surface to 4000 ASL

Time of Designation - Cont

#### **BRITISH COLUMBIA - BLASTING OPERATIONS**

The following is a list of locations where road construction, open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA	SITE	COORDIN	ATES
Chetwynd	2.0NM radius to 500' AGL	N55 23 28	W121 49 53
Tumbler Ridge	2.0NM radius to 500' AGL	N55 06 00	W121 12 00
Tumbler Ridge	5.0NM radius to 1500' AGL	N54 54 04	W120 57 25

#### **BRITISH COLUMBIA - CABLE CROSSINGS**

LOCATION	HIGHEST PART ASL	(N)LAT (W)LONG
Whistler	6202	N50 04 09 W122 56 46
	(1335 AGL Above	to
	valley floor)	N50 05 44 W122 54 01

SKYLINE LOGGING OPERATIONS

LOCATION	HIGHEST PART ASL	(N)LAT	(W)LONG
Dart Valley (2.5NM NE of Golden)	200 AGL/2775 ASL	N51 19 09	W116 54 15

# BRITISH COLUMBIA – VFR AIR TRAFFIC ADVISORY FREQUENCY 123.2, QUEEN CHARLOTTE ISLANDS (See map)

Due to the special conditions under which air traffic operate within the area of the Queen Charlotte Islands, BC, the following special radio procedures have been established:

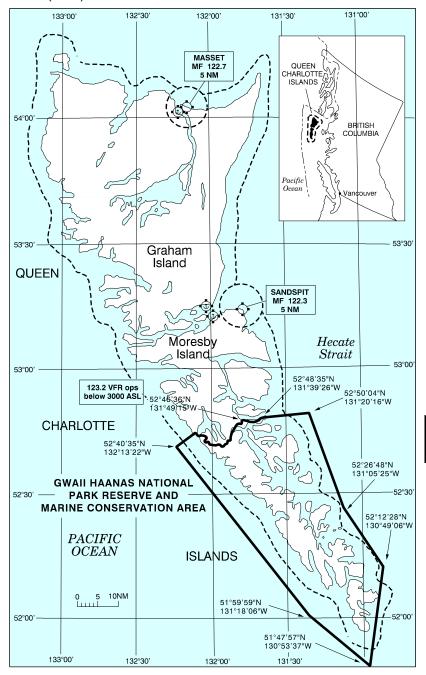
123.2 - Below 3000 ASL while over or within 3 miles of the Queen Charlotte Islands,

unless an ATF frequency is already published in the CFS/WAS.

**126.7 -** Enroute traffic 3000 ASL or above. **122.3 -** Within the Sandspit (CYZP) MF.

Pilots are reminded to follow the Aerodrome Traffic Frequency (ATF) procedures described in RAC 4.5.5 and COMM 5.13.3 of the A.I.P. Canada.

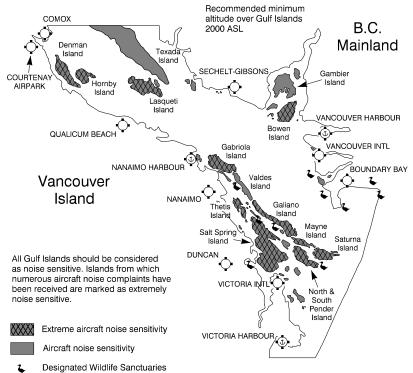
# BRITISH COLUMBIA – VFR AIR TRAFFIC ADVISORY FREQUENCY 123.2, QUEEN CHARLOTTE ISLANDS (Cont'd)



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C26 PLANNING

#### BRITISH COLUMBIA - NOISE ABATEMENT PROCEDURES - GULF ISLANDS



The Gulf Islands, located in Georgia Straight, have been identified as home to several unique and endangered wildlife species and in this regard Transport Canada has been working with the Islands Trust, the Department of Fisheries and Oceans Canada as well as the British Columbia Ministry of Environment to establish procedures to aid in wildlife protection. These species include several types of birds as well as sea mammals including the Orca whale. The rapidly growing interest in wildlife has caused concern due to encroachment into endangered bird and animal habitat by both surface and air traffic. Therefore pilots are encouraged to avoid low level flight over bird nesting areas marked on the VFR charts and to avoid, where possible, low flight over any area where bird or sea life activity

on the VFR charts and to avoid, where possible, low flight over any area where bird or sea life activity may be encountered. These islands are also a popular tourist destination and attract many visitors each year in addition to being home to a number of full-time residents. The environment surrounding the Gulf Islands is quiet. As a result, aircraft operating at legal altitudes are often audible and such extraneous noise can be annoying to some residents and disruptive to wildlife.

As a result pilots are requested to follow the guidelines listed below:

- Aviation safety is foremost. Pilots are responsible for the safe operation on their aircraft and compliance with all aviation regulations. Nothing in this information sheet relieves the pilot-incommand of the aircraft from this responsibility.
- Pilots not in the process of taking-off or landing should attempt to, where possible, avoid flying in
  the vicinity of, any marked or designated wildlife sanctuary, any site where bird nesting is known
  to be located or any residential building or area. If flying in the vicinity of one of these locations
  pilots should attempt to do so at no less than 2000 ASL (or 1000 AGL where terrain is higher
  than 1000).
- All Gulf Islands are to be considered noise sensitive. Pilots are requested to give particular consideration to the following islands: Denman, Gabriola, Thetis, Lasqueti, Galiano, Hornby, Mayne, North and South Pender, Salt Spring and Saturna.
- 4. Pilots are asked to operate their aircraft in the most community friendly manner possible.
- Pilots are asked to refrain from training or practising manoeuvres over the Gulf Islands.

Any questions or comments may be sent to the Regional Director Civil Aviation (Pacific).

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C27

### CHANGE IN NOTAM PROCEDURE REGARDING LOGGING ACTIVITIES PACIFIC REGION

NOTAMs will not be filed regarding blasting related to logging activities under the following circumstances:

- If utilizing instantaneous blasting equipment, (blasters will ensure the area is clear of all air traffic prior to the blast).
- If utilizing a standard 6 min fuse and utilizing aeronautical freq radio (blaster will make two
  transmissions on 123.2 mhz advising of the imminent blast. These transmissions will be at
  approximately 4 min and 1 min prior to the estimated blast. These transmissions will include the
  geographical location referenced to prominent landmark and the time to the blast).

Notwithstanding the above two calls, if a blaster detects an aircraft in the immediate vicinity of a blast they will direct a radio transmission to that aircraft using aircraft type and colour (i.e. red and white helicopter, you are over an active blast site clear the area immediately). Blasters may elect to utilize both methods for added safety.

When operating VFR over forested areas of BC, pilots should:

- Be aware of new logging road construction, new area of construction at beach level (area used for log sorting and rock drilling equipment, if no dust or activity in the vicinity then a blast could be imminent.
- In areas of active road construction or logging arrange flight to be at least 1000' AGL.
- If operating below 1000' AGL monitor 123.2 mhz for imminent blasting notification.
- Upon hearing a warning transmission regarding an imminent blast determine their location in reference to the blast site and if necessary either climb to at least 1000' AGL or deviate from the blast area.
- If unable to comply with the above recommendations contact the blast site and advise them of the aircraft's location and intentions.
- Relay information on active blast sites to other pilots in the area.

Notwithstanding the above recommendations, a NOTAM will be required if the blast site is within 5NM of an aerodrome or if the blaster elects not to utilize either of the above procedures. In any case, the NOTAM will have a maximum duration period of 14 days.

Any questions or comments may be directed to Transport Canada Aerodromes and Air Navigation Branch (Pacific Region) (604) 666-5490.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C28 PLANNING

#### **BRITISH COLUMBIA - CONSERVATION**

In the interest of conserving wildlife, pilots of aircraft should avoid flight below 2000 AGL (unless otherwise noted) over bird nesting areas and over herds of wild animals. Several such areas to be avoided are listed below.

Fur farms display watch towers of 20 foot high pylons painted chrome yellow and black; with a red flag flying from a low mast during the months of February, March, April and May they should also be avoided below 2000 AGL.

Cranberry Lake Bird Sanctuary (1NME of Powell River) All seasons

Reifel Island Bird Sanctuary - Avoid flight below 1000 AGL

(Mouth of Fraser River) All seasons

Stum Lake Pelican Sanctuary – No landing or take-off

(37NM NW of Williams Lake) Mar 1- Aug 31

Mitlenatch Island Mitlenatch Island Nature Park

(15NM NW of Comox) Mar 1- Sep 30

Due to the confined manoeuvring area and concentration of small boats the body of water listed below is to be avoided except in emergency.

	Coordinates		Community	Relative
Body of Water	Lat	Long	Served	Location
Buntzen Lake	N49 21	W122 52	_	16NM NE Vancouver Intl aprt

# Wilderness Area Restrictions – Height-of-The-Rockies, Lower Stein & Upper Stein, and Gwaii Haanas

Helicopter pilots operating within BC are informed that access to wilderness areas is restricted by the Wilderness Area Use Regulation which states, in part, the following:

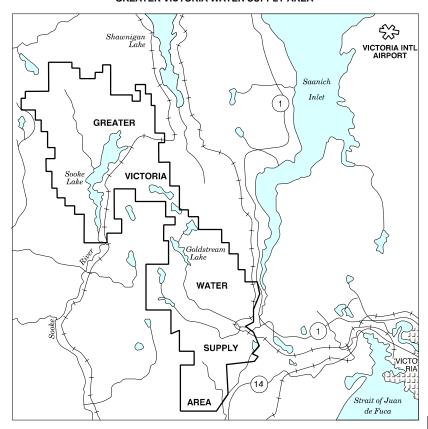
- A pilot of a helicopter may use an area designated as a wilderness area under Section 5.1 of the Forest Act to land a helicopter
  - (a) without a permit where the landing is for the purposes of safety or fire management, or
  - (b) with a permit issued by the regional manager of the Ministry of Forests where the landing is not for the purposes of safety or fire management.
- A person may apply in writing to the regional manager for the permit and the regional manager may grant a permit where
  - (a) applicants have submitted a plan that sets out how they will use the land, and
  - (b) the regional manager is of the opinion that the use is of sufficient public benefit to justify using or occupying the land in a manner that is inconsistent with the preservation of the wilderness.

Further, in the interests of maintaining the natural quality of designated wilderness areas, pilots of helicopters and fixed-wing aircraft are requested to avoid flying directly over such areas wherever possible. If flyover is unavoidable, please do not descend below 2000 AGL.

#### Watersheds

The bodies of water outlined on the following sketches are used as sources of fresh water by adjacent communities. To avoid polluting these sources, seaplane and skiplane operations are not permitted on the surfaces of the waters within these areas except in emergency. The entire area marked is restricted and no aircraft operations of any kind are permitted without prior approval of the local authority.

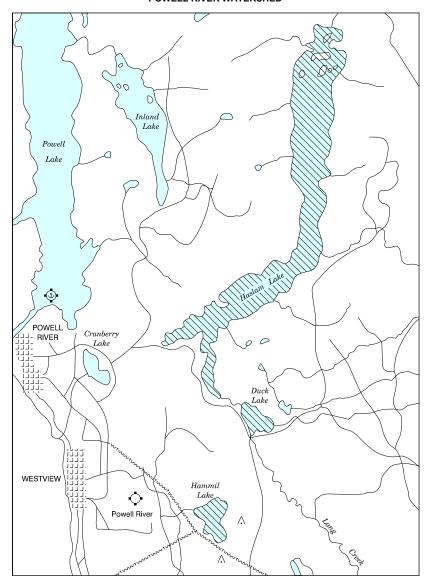
# BRITISH COLUMBIA – CONSERVATION (Cont'd) GREATER VICTORIA WATER SUPPLY AREA



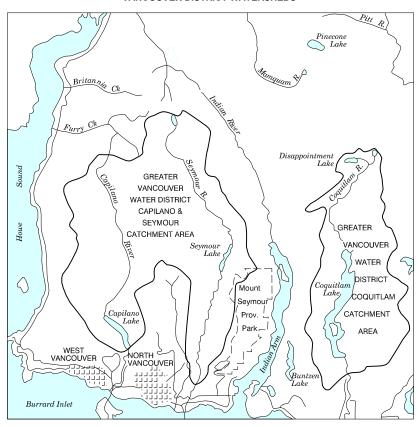
Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C30 PLANNING

# BRITISH COLUMBIA – CONSERVATION (Cont'd) POWELL RIVER WATERSHED



# BRITISH COLUMBIA – CONSERVATION (Cont'd) VANCOUVER DISTRICT WATERSHEDS



### HAZARDS TO AIRCRAFT OPERATIONS

## Glacier National Park-Illecillewaet Valley

Pilots are cautioned to avoid flying over the Illecillewaet Valley during winter months as Howitzer type guns will be firing periodically to precipitate snow slides.

### **Soaring Areas**

Pilots are cautioned to either avoid or use extreme caution when flying in or near area in VFR weather conditions. Winch launches by cables up to 2,000 AGL.

NAME	POSITION	OPERATING TIMES
Comox	3NM of A/D	Daylight
	Max alt 3000 ASL	June to Aug

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

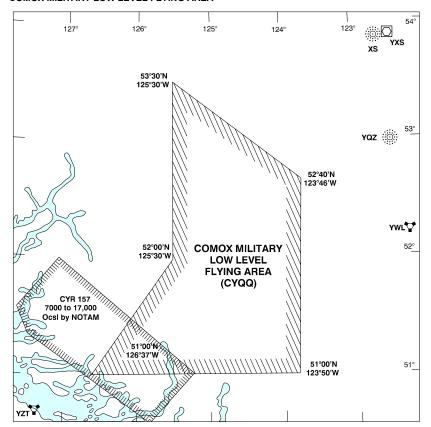
C32 PLANNING

### BRITISH COLUMBIA - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd)

COMOX MILITARY LOW LEVEL FLYING AREA

- The area consists of that airspace from the surface of the earth up to but not including 18,000 feet ASL and encompasses the following area. From N53 30 W125 30 to N52 40 W123 46 to N51 00 W123 50 to N51 00 W126 37 to N52 00 W125 30 to origin.
- The area depicted contains military flying activity from the surface to below 18,000 feet ASL.
   Military aircraft conduct low level high speed exercises in the area under visual flight rules.
   Details of active periods are advertised by NOTAM or may be obtained by contacting Comox Tower if enroute.

### **COMOX MILITARY LOW LEVEL FLYING AREA**



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C33

### **BRITISH COLUMBIA - SIGNIFICANT OBSTRUCTIONS**

The following known obstructions 300′ or higher, and significant obstructions less than 300′ for a VNC Chart and known obstructions 500′ or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

	LOCATION	<b>ELEV ASL</b>	HGT AGL	(N)LAT	(W)LONG
	Chilliwack	804	414	N49 10 59	W121 55 12
	1.9N				
	Pitt Meadows	299	291	N49 11 56	W122 39 59
	Adj				
	Vancouver	407	404	N49 12 22	W122 53 58
	Adj City Pitt Meadows	161	160	N49 14 48	W122 43 35
		101	100	N49 14 46	W122 43 35
	2.0NW Naramata	5424	260	N49 42 46	W119 36 26
	6.6N	5424	200	1149 42 40	W119 30 20
	Lac Le Jeune	4379	329	N50 34 24	W120 28 25
l	5.6N	4373	323	1100 04 24	VV 120 20 25
ı	Keithly Creek	4220	220	N52 44 22	W121 20 36
	2.2ESE				20 00
	Prince Rupert	408	375	N54 16 58	W130 21 32
	2.63SW				
	Prince Rupert	408	375	N54 17 10	W130 21 30
	2.46SW				
	Prince Rupert	408	375	N54 17 13	W130 21 27
	2.42SW				
	Fellers Heights	4058	400	N55 30 04	W120 46 08
	9.0SW				
	Hudsons Hope	2340	138	N56 01 32	W121 56 26
	0.4WSW				
	Wonowon	3527	420	N56 43 06	W121 46 06
	1.3ESE	4040	000	NEO 44 00	14/404 00 00
	Fort Nelson	1813	220	N58 44 30	W121 20 36
	5.5SE Muskwa	1482	235	N58 45 03	W122 40 43
	Adj City	1402	233	1130 43 03	VV 122 40 43
	Rainbow Lake	2692	330	N59 18 22	W120 30 19
	59.0NW	2002	000	1100 10 22	20 00 19
	Helmet	1968	400	N59 43 14	W121 52 36
	18.4N of A/D	.000			02 00
	. 3 0				



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C34 PLANNING

#### **ALBERTA**

#### **ALBERTA - AIR NAVIGATION RADIO AIDS**

Airdrie NDB ident "C1" freq 399 at N51 15 55 W113 56 32 decommissioned.

Athabasca DME ident "X2" freq 108.6 Ch 23 at N54 44 14 W113 12 01 decommissioned.

Calgary/Springbank DME ident "IBW" freq 111.7 Ch 54 at N51 06 04 W114 22 52 commissioned.

Calgary/Springbank VOR ident "YBW" freq 108.6 at N51 06 24 W114 22 23 commissioned.

Conklin (Leismer) NDB ident "7A" freq 245 at N55 41 46 W111 16 35 decommissioned.

Consort DME ident "3H" freq 110.2 Ch 39 at N52 01 20 W110 44 42 decommissioned.

Edmonton VORTAC ident "YEG" located at N53 11 08 W113 52 01 var changed to "17°E".

Drayton Valley Industrial DME ident "3M" located at N53 16 05 W114 57 26 decommissioned.

Elk Point DME ident "8M" freq 111.4 at N53 53 25 W110 46 05 decommissioned.

Foremost DME ident "6T" freq 109.2 Ch 29 at N49 29 02 W111 29 11 decommissioned.

Foremost NDB ident "6T" freq 362 at N49 29 02 W111 29 11 decommissioned.

Forestburg DME ident "7J" freq 110.8 Ch 45 at N52 34 35 W112 05 10 decommissioned.

Fort Chipewyan DME ident "PPY" freq 110.9 Ch 46 at N58 45 58 W111 06 45 decommissioned.

Fort Mckay/Firebag NDB ident "1L" freq 400 at N57 16 50 W110 58 20 commissioned.

Fort Mckay/Firebag DME ident "SR" freq 110.5 Ch42 at N57 16 08 W110 58 27 commissioned.

Hamburg NDB ident "B2" freq 352 at N57 21 21 W119 45 55 decommissioned.

Kaybob South NDB ident "2P" freq 373 at N54 06 51 W116 36 52 decommissioned.

Kirby NDB ident "W2" freq 283 at N55 21 20 W110 37 47 decommissioned.

Lac La Biche DME ident "6J" freq 109.6 Ch 33 at N54 46 04 W112 01 13 decommissioned.

Lacombe NDB ident "I4" freq 244 at N52 29 19 W113 42 51 decommissioned.

Lloydminster DME ident "1T" freq 110.20(M) Ch 39(X) N53 18 49 W110 04 47 decommissioned.

Namao TACAN ident "UED" freq 114.0 Ch 87 at N53 40 43 W113 27 39 decommissioned.

Oyen NDB ident "5Z" freq 366 at N51 20 09 W110 29 18 decommissioned.

Primrose NDB ident "R4" freq 306 at N55 23 43 W111 07 38 decommissioned.

Provost DME ident "8J" freq 109.0 at N52 20 01 W110 16 24 decommissioned.

Provost NDB ident "8J" freq 208 at N52 19 58 W110 16 23 decommissioned.

Rocky Mountain House ident "YRM" located at N52 30 08 W115 19 25 var changed to "16°E".

Rocky Two (Rocky Mtn. House) DME ident "N5" freq 111.2 Ch 49 at N52 25 51 W114 54 29 decommissioned.

Stettler NDB ident "8G" freq 286 at N52 18 30 W112 45 16 decommissioned.

Stettler DME ident "8G" freq 108.4 Ch 21 at N52 18 31 W112 45 13 decommissioned.

Swan Hills DME ident "40" freq 109.2 Ch 29 at N54 40 31 W115 25 14 decommissioned.

Vegreville DME ident "X5" freq 111.8 Ch 55 at N53 30 47 W112 01 23 decommissioned.

Valleyview DME ident "8K" freq 111.6 Ch 53 at N55 02 04 W117 17 19 decommissioned.

Wainwright VOR/DME ident "YWV" freq 114.5 at N52 58 53 W110 50 00 var changed to "14°E".

Whitecourt VOR/DME ident "YZU" freq 112.5 at N54 08 44 W115 47 50 var changed to "19°E".

Zama Lake NDB ident "1K" freq 227 at N59 01 24 W118 50 30 decommissioned.

### **ALBERTA - AIRSPACE DESIGNATIONS**

BR43 redesignated from Fort St. John NDB to Merch intxn to Botha intxn.

A2 from Lethbridge NDB to Calgary NDB has been revoked.

A7 redesignated from Peace River NDB to Ragur intxn to Detba intxn to Edmonton NDB to Nupps intxn to Delbr intxn to Bepit intxn to Calgary NDB.

B3 from High Level NDB to Hay River NDB to Fort Simpson NDB has been revoked.

B3 from Cranbrook NDB to Turner Valley NDB to Calgary NDB has been revoked.

B22 from Fort St. John NBD to Botha intxn to High Level NDB has been redesignated as BR43.

B84 redesignated from Edmonton NDB to Cabra intxn.

R6 redesignated from High Level NDB to Bispo intxn to Slave Lake NDB to Edmonton NDB to Bobno intxn to Vermilion NDB to North Battleford NDB.

R9 from Calgary NDB to Sloan intxn to Saskatoon NDB to The Pas NDB to Norway House NDB redesignated as R10.

R12 designated from Peace River NDB to Fort McMurray NDB.

R12 redesignated from Prince George NDB to Otepi intxn to Grande Prairie NDB.

R12 redesignated from Grande Prairie NDB to Rovna intxn to Peace River NDB.

R30 from Dawson Creek NDB to Peace River NDB to Fort McMurray NDB has been revoked.

V21 redesignated from Edmonton VOR to Mooto intxn to Lerup intxn to Cally intxn to Selum intxn to Algar intxn to Fort McMurray VOR.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C35

## ALBERTA - AIRSPACE DESIGNATIONS (Cont'd)

V21 redesignated from Calgary VORTAC to Duvno intxn to Urpon intxn to Eplur intxn.

V112 redesignated from Calgary VOR to Wesex intxn to Dagty intxn to Gelle intxn to Rosli intxn to Edmonton VOR. Dagty intxn formed by a bearing of 333° from Calgary VOR at 63 DME. Wesex intxn formed by a bearing of 333° from Calgary VOR at 23 DME.

V301 redesignated from Grand Prairie VOR to Jinna intxn to Mesbo intxn to Whitecourt VOR.

V301 redesignated from Calgary VORTAC to Satul intxn to Vucan intxn.

V304 realigned from Enderby VOR to Wellf intxn to Sprae intxn to Canop intxn to Calgary VOR. Wellf intxn formed by a bearing of 059° from Enderby VOR at 90 DME. Sprae intxn formed by a bearing of 244° from Calgary VOR at 60 DME. Canop intxn formed by a bearing of 244° from Calgary VOR at 29 DME.

V304 redesignated from Calgary VOR to Husar intxn to Rolko intxn to Empress VOR. Rolko intxn formed by a bearing of  $259^{\circ}$  from Empress VOR at 45 DME.

V304 redesignated from Calgary VOR to Canop intxn to Pevni intxn to Sprae intxn.

V305 redesignated from Calgary VOR to Bacho intxn to Ebmas intxn to Medicine Hat VOR. Ebmas intxn formed by a bearing of 285° from Medicine Hat VOR at 45 DME.

V306 redesignated from Calgary VORTAC to Kaxom intxn to Alomo intxn.

V321 from Fort St. John VOR to Merch intxn to Botha intxn to High Level VOR revoked.

V336 redesignated from Peace River VOR to Ackin intxn to Arouk intxn to Tetag intxn to Edmonton NDB.

V350 realigned from Edmonton VOR to Ryley intxn to Wainwright VOR. Ryley intxn formed by a bearing of 063° from Edmonton VOR and a bearing of 270° from Wainwright VOR.

V351 designated from Rocky Mtn. House VOR to Eluna intxn to Tilax intxn to Edmonton VOR. Eluna intxn formed by a bearing of 016° from Rocky Mtn. House VOR at 43 DME and by a bearing of 235° from Edmonton VOR at 28 DME. Tilax intxn formed by a bearing of 235° from Edmonton VOR at 10 DMF

V366 from Calgary VOR to Satul intxn to Vucan intxn to Medicine Hat VOR has been revoked.

Cold Lake MTCA has been redesignated as follows: The airspace from 700 AGL within the area bounded by a line beginning at N55 20 00.00 W110 5651.51 thence easterly along latitude N55 20 00.00 to N55 20 00.00 W109 38 38.49 thence clockwise along the arc of a circle of 60 miles radius centred on N54 24 31.00 W110 17 45.00 Cold Lake, AB TACAN to N55 20 00.00 W110 56 51.51 point of beginning.

Calgary Terminal Control Area has been redesignated as follows:

- (a) Class "B" airspace above 12,500' to below 18,000' within a 35 miles radius of the Calgary Intl, AB aerodrome.
- (b) Class "C" airspace from 10,000' to 12,500' within the area bounded by a circle of 35 miles radius centred on the Calgary Intl, AB ARP.
- (c) Class "C" airspace from 8000' to below 10,000' within the area bounded by a circle of 30 miles radius centred on the Calgary Intl, AB ARP.
- (d) Class "C" airspace from 5800' to below 8000' within the area bounded by a line beginning at N50 49 32 W114 17 00 to N51 24 11 W114 17 00 thence clockwise along the arc of a circle of 20 miles radius centred on the Calgary Intl, AB ARP to the point of beginning.
- (e) Class "C" airspace from 4800' to below 5800' within the area bounded by a line beginning at N50°55'39.00"W114°17'00.00 to N51°18'04.00"W114°17'00.00 thence clockwise along the arc of a circle of 15 miles radius centred on Calgary Intl, AB ARP to point of beginning.
- (f) Class C airspace above 7000' to below 8000' within the area bounded by a line beginning at N51 24 11.00 W114 17 00.00 to N50 49 32.00 W114 17 00.00 thence clockwise along the arc of a circle of 20 miles radius centred on Calgary Intl, AB ARP to point of beginning.
- (g) Class C airspace from 5800' to 7000' within the area bounded by a line beginning at N5124 11.00 W114 17 00.00 to N50 49 32.00 W114 17 00.00 thence clockwise along the arc of a circle of 20 miles radius centred on Calgary Intl, AB ARP to point of beginning.
- (h) Class C airspace from 5200' to below 5800' within the area bounded by a line beginning at N51 10 53.54 W114 25 06.65 to N51 13 16.65 W114 25 06.81 to N51 13 16.87 W114 20 20.52 to N51 10 59.73 W114 20 20.59 thence counter-clockwise along the arc of a circle of 5 miles radius centred on Springbank, AB ARP to point of beginning.
- (i) Class C airspace from 5200' to below 5800' within the area bounded by a line beginning at N50 58 54.82 W114 25 05.82 to N51 01 28.37 W114 25 06.00 thence counter-clockwise along the arc of a circle of 5 miles radius centred on Springbank, AB ARP to N51 01 22.25 W114 20 20.92 to N50 58 55.04 W114 20 21.00 to point of beginning.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C36 PLANNING

### ALBERTA - AIRSPACE DESIGNATIONS (Cont'd)

(j) Class C airspace from 6500' to below 8000' within the area bounded by a line beginning at N50 52 37.55 W114 31 48.83 thence clockwise along the arc of a circle of 24 miles radius centred on Calgary Intl, AB ARP to N51 22 10.77 W114 30 33.29 to N51 19 37.83 W114 25 38.55 thence counter-clockwise along the arc of a circle of 20 miles radius centred on Calgary Intl, AB ARP to N50 55 00.18 W114 26 44.15 to point of beginning.

Edmonton City Centre (Blatchford Field) Class "C" CZ has been redesignated as follows:

The airspace to below 4600′ (2400 AAE) within the area bounded by a line beginning at N53 42 28 W113 35 59 to N53 34 42 W113 22 22 to N53 33 01 W113 23 09; thence clockwise along the arc of a circle of 5NM radius centred on Edmonton City Centre (Blatchford Field), AB ARP to N53 35 41 W113 39 19 to N53 41 29 W113 36 38 to the point of beginning.

Edmonton Intl Class "B" CAE has been redesignated as follows:

The airspace extending above 12,500' within the area bounded by a line beginning at N52 45 55 W111 29 07 to N52 56 04 W112 24 21 thence clockwise along the arc of a circle of 55 miles radius centred on Edmonton AB VOR N53 11 08 W113 52 01 to N53 31 44 W115 17 06 to N54 25 35 W119 29 45 thence clockwise along the arc of a circle of 50 miles radius centred on Grande Prairie AB ARP N55 10 47 W118 53 06 to N54 40 03 W120 01 23 to N55 48 55 W121 39 28 thence clockwise along the arc of a circle of 40 miles radius centred on Fort St. John BC ARP N56 14 17 W120 44 25 to N56 53 57 W120 52 20 to N57 03 15 W117 37 22 to N57 28 56 W111 20 29 thence clockwise along the arc of a circle of 50 miles radius centred on Fort McMurray AB ARP N56 39 10 W111 13 18 to N55 49 42 W111 02 07 to N54 20 26 W112 15 28 thence clockwise along the arc of a circle of 90 miles radius centred on Edmondon AB VOR N53 11 08 W113 52 01 to N54 09 24 W111 56 48 thence counter-clockwise along the arc of a circle of 60 miles radius centred on Cold Lake AB TACAN N54 24 31 W110 17 45 to N54 43 06 W111 31 19 thence clockwise along the arc of a circle of 90 miles radius centred on Edmonton AB VOR N53 11 08 W113 52 01 to N52 45 55 W111 29 07 point of beginning.

The airspace extending upwards from 5700' to 12,500' within the area bounded by a line beginning at N54 21 06 W119 01 28 to Grande Prairie AB ARP N55 10 47 W118 53 06 to Fort St. John BC ARP N56 14 17 W120 44 25 to N56 48 34 W121 21 26 thence clockwise along the arc of a circle of 40 miles radius centred on Fort St. John BC ARP N56 14 17 W120 44 25 to N56 53 58 W120 52 19 to N57 03 23 W117 33 20 thence clockwise along the arc of a circle of 50 miles radius centred on Peace River AB ARP N56 13 37 W117 26 50 to N55 42 19 W116 17 33 to N54 40 17 W117 44 30 thence clockwise along the arc of a circle of 50 miles radius centred on Grande Prairie AB ARP N55 10 47 W118 53 06 to N54 21 06 W119 01 28 point of beginning.

The airspace extending upwards from  $6700^\circ$  to  $12,500^\circ$  within the area bounded by a line beginning at N 54 43 09 W120 05 38 to N55 48 55 W121 39 28 thence clockwise along the arc of a circle of 40 miles radius centred on Fort St. John BC ARP N56 14 17 W120 44 25 to N56 48 34 W121 21 26 to Fort St. John BC ARP N56 14 17 W120 44 25 to Grande Prairie AB ARP N55 10 47 W118 53 06 to N54 43 09 W120 05 38 point of beginning.

The airspace extending upwards from 7700' to 12,500' within the area bounded by a line beginning at N54 21 06 W119 01 28 thence clockwise along the arc of a circle of 50 miles radius centred on Grande Prairie AB ARP N55 10 47 W118 53 06 to N54 40 03 W120 01 23 to N54 43 09 W120 05 38 to Grande Prairie AB ARP N55 10 47 W118 53 06 to N54 21 06 W119 01 28 point of beginning.

Edmonton Intl Class "C" CZ has been redesignated as follows:

The airspace to below 4600' (2200' AAE) within the area bounded by a circle of 7 miles radius centred on the Edmonton Intl, AB ARP.

Fort McMurray Control Zone Class "E" has been redesignated to Class "C".

Fort McMurray Transition Area Class "E" Transponder Airspace Area has been designated.

Fort McMurray Control Area Extension Class "E" Transponder Airspace Area has been designated.

Lethbridge Class "D" CZ has been redesignated to Class "E".

Namao (Heliport) Class "D" CZ has been revoked.

Namao (Heliport) Class "E" CZ has been designated as follows: 3400 ASL (1100´AAE) - The airspace within the area bounded by a line beginning at N53 42 28 W113 35 59; thence clockwise along the arc of a circle of 5NM radius centred on the Namao, AB ARP (Heliport) to N53 38 49 W113 20 26 to N53 34 42 W113 22 22 to the point of beginning, excluding CYR265.

Peace River Class "B" CAE has been revoked.

Slave Lake CZ is revoked.

Springbank CZ Class "D" has been redesignated as follows: The airspace to below 5800′ (1900′ AAE) within the area bounded by a line beginning at N51 09 48 W114 17 00 to N51 02 34 W114 17 00 thence clockwise along the arc of a circle of 5 miles radius centred on the Springbank, AB ARP to the point of beginning.

Villeneuve CZ Class "D" has been redesignated as follows: The airspace to below 4600' (2345' AAE) within the area bounded by a circle of 3 miles radius centred on the Villeneuve, AB ARP.

#### ALBERTA - DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000′ to 10,000′). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000′ to 10,000′) or (5000′ to below 10,000′).

CYA206(T) Calgary - Area 1 & 2 has been revoked.

CYA217(P) Edmonton/Carvel has been revoked.

CYA226(T) Calgary designated as follows:

The airspace within the area bounded by a line beginning at N51 25 00.00 W115 00 00.00 to N51 25 00.00 W114 39 00.00 to N51 14 00.00 W114 39 00.00 to N51 14 00.00 W114 50 00.00 to N51 11 00.00 W115 00 00.00 to point of beginning.

Designated Altitude - Surface to 11,000'

Time of Designation - Cont 13-07Z (DT12-06Z)

CYA227(T) Calgary designated as follows:

The airspace within the area bounded by a line beginning at N51 11 00.00 W114 50 00.00 to N51 14 00.00 W114 50 00.00 to N51 14 00.00 W114 39 00.00 to N51 11 00.00 W114 39 00.00 to point of beginning.

Designated Altitude - 7000' to 11,000'

Time of Designation - Cont 13-07Z (DT12-06Z)

CYA228(H) Calgary designated as follows:

The airspace within the area bounded by a line beginning at N51 11 00.00 W114 28 00.00 to N51 13 16.62 W114 28 00.00 to N51 13 16.62 W114 25 30.00 to N51 11 00.00 W114 25 30.00 to point of beginning.

Designated Altitude - Surface to 6500'

Time of Designation - Ocsl by NOTAM

CYA263(S) Black Diamond redesignated as follows: The airspace within the area bounded by a line beginning at N50 47 34 W114 14 18 to N50 40 04 W114 22 30; thence counter-clockwise along the arc of a circle of 30 miles radius centred on the Calgary ARP to N50 37 21 W114 09 41 to N50 45 59 W114 04 49; thence clockwise along the arc of a circle of 21 miles radius centred on the Calgary ARP to the point of beginning.

CYR 203 redesignated as follows:

Designated Altitude - Surface to 17,000' Ocsl higher by NOTAM

Time of Designation - Cont

CYR204 Cold Lake redesignated as follows: The area bounded by a line beginning at N54 46 00 W108 40 00 to N54 46 00 W109 58 00 to N54 44 00 W109 58 00 to N54 44 00 W110 13 00 to N54 46 00 W110 13 00 to N54 46 00 W110 13 00 to N55 20 00 W111 18 00, thence easterly along latitude N55 20 00 to N55 20 00 W108 25 00 to N54 56 00 W108 25 00 to the point of beginning.

Designated Altitude - Surface to unlimited

Time of Designation - Cont

CYR205 Suffield - Time of designation changed to Cont 1 Dec 0701Z-31 Mar 2359Z.

CYR207 Camp Wainwright Designated as follows:

The airspace within the area bounded by a line beginning at N52 51 15.37 W111 10 '23.49; thence clockwise along the arc of a circle of 3 miles radius centred on N52 49 50.00 W111 06 02.00 to N52 51 15.07 W111 01 40.78 to N52 51 15.37 W111 10 23.49 to point of beginning.

Designated Altitude - Surface to 7,000'

Time of Designation - 0000Z 01 Oct to 2359Z 31 Oct, 0000Z 21 Apr to 2359Z 31 May, O/T by NOTAM

CYR213 Cold Lake has been revoked.

CYR216 Cold Lake has been revoked.

CYR219 Calgary has been revoked.

CYR221 Cold Lake redesignated as follows:

The airspace within the area bounded by a line beginning at N54  $45\,00.00$  W111  $56\,00.00$  to N55  $19\,00.00$  W111  $41\,00.00$  to N55  $56\,00.00$  W111  $18\,30.00$  to N56  $04\,00.00$  W111  $04\,00.00$  to N56  $04\,00.00$  W108  $04\,00.00$  W108  $04\,00.00$  W108  $04\,00.00$  W108  $04\,00.00$  W111  $04\,00.00$  W108  $04\,00.00$  W111  $04\,00.00$  W108  $04\,00.00$  W111  $04\,0$ 



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C38 PLANNING

#### ALBERTA - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

Designated Altitude - 7000' to unlimited

Time of Designation - Cont 14Z Mon - 01Z Sat O/T by NOTAM

CYR223 Cold Lake redesignated as follows:

The airspace within the area bounded by a line beginning at N56 04 00.00 W111 04 00.00 to N56 30 00.00 W110 18 00.00 to N56 30 00.00 W107 55 00.00 to N56 07 00.00 W106 50 00.00 to N54 17 00.00 W106 50 00.00 to N54 12 00.00 W107 00 00.00 to N54 12 00.00 W108 37 00.00 thence counter-clockwise along the arc of a circle of 60 miles radius centred on Cold Lake TACAN to N54 46 00.00 W108 41 00.00 to N54 56 00.00 W108 26 00.00 to N55 20 00.00 W108 26 00.00 to N56 04 00.00 W108 26 00.00 to point of beginning.

Designated Altitude - 7000' to below 18,000'

Time of Designation - Ocsl by NOTAM

CYR224 Cold Lake designated as follows:

The airspace the area bounded by a line beginning at N54 12 00.00 W108 37 00.00 to N54 12 00.00 W107 00 00.00 to N54 17 00.00 W106 50 00.00 to N56 07 00.00 W106 50 00.00 to N55 47 00.00 W106 00 00.00 to N54 40 00.00 W106 00 00.00 to N53 42 00.00 W106 30 00.00 to N53 42 00.00 W109 08 00.00 thence counter-clockwise along the arc of a circle of 60 miles radius centred on Cold Lake TACAN to point of beginning.

Designated Altitude - Above 12,500' to FL 290

Time of Designation - Ocsl by NOTAM

CYR251 Lethbridge -The airspace within the area bounded by a circle of 2 miles radius centred on N49 24 23 W112 06 28.

Designated Altitude - Surface to 12,000'

Time of Designation - Ocsl by NOTAM

CYR252 Lethbridge -The airspace within the area bounded by a circle of 5 miles radius centred on N49 27 20.80 W112 00 26.60

Designated Altitude - Surface to FL 230

Time of Designation - Ocsl daylight by NOTAM

CYR265 Namao redesignated as follows: The airspace within the area bounded by a line beginning at N53 39 03 W113 29 32 to N53 43 05 W113 29 32; thence clockwise along the arc of a circle of 3 miles radius centred on the Namao Heliport to N53 39 03 W113 23 51 to the point of beginning.

Designated Altitude - Surface to below 3400'

Time of Designation - Cont

CYR268 Cold Lake designated as follows: Air Combat Manoeuvering Range - The airspace within the area bounded by a line beginning at N53 32 35 W110 45 35 to N53 31 09 W109 57 04 to N53 43 37 W109 16 17 to N54 01 00 W109 43 00 to N53 53 00 W110 06 00 to N53 54 00 W110 33 00 to point of beginning.

Designated Altitude - 7000' to FL 260

Time of Designation - 15-01Z (DT 14-2359Z) Mon - Fri. O/T Ocsl by NOTAM

CYR269 Cold Lake designated as follows: Air Combat Manoeuvering Range - The airspace within the area bounded by a line beginning at N54 11 50 W108 46 28 to N54 40 17 W108 46 58 to N54 33 00 W109 24 00 to N54 18 00 W109 24 00 to point of beginning.

Designated Altitude - 7000' to FL 260

Time of Designation – 15-01Z (DT 14-2359Z) Mon - Fri. O/T Ocsl by NOTAM

CYR270 Cold Lake designated as follows:

The airspace within the area bounded by a line beginning at N54 31 33.38 W111 51 13.91 to N54 28 30.36 W111 08 40.43 to N54 13 08.53 111 05 08.05 to N54 03 25.68 W111 44 17.20 to point of beginning.

Designated Altitude - 7000' to FL 260

Time of Designation – 15-01Z (DT 14-2359Z) Mon - Fri. O/T Ocsl by NOTAM

CYR304 Cold Lake has been revoked.

CYR310 Cold Lake has been revoked.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C39

#### **ALBERTA - BLASTING OPERATIONS**

The following is a list of locations where road construction, open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA	SITE	COORDIN BLASTIN	
Cadomin	6.1NM SSE of Cadomin, AB	N52 57 12	W117 21 45
		N52 54 38	W117 21 45
		N52 54 38	W117 10 50
		N52 57 12	W117 10 50

#### CONSERVATION

## Prohibited Landing - Wilderness Areas or Ecological Reserves

No person shall land an aircraft in the following areas: Ghost River, Siffleur, White Goat and Willmore Wilderness.

## Cochrane Ecological Institute - Cochrane Wildlife Reserve

A 160 acre wildlife refuge has been established at N51 23 00 W114 36 00. Aircraft should avoid overflying this area below 6200' ASL during the swift fox breeding/rearing season, January-July inclusive.

## ALBERTA - HAZARDS TO AIRCRAFT OPERATIONS

#### **Parachuting Areas**

Pilots are cautioned to either avoid the following areas when parachuting is in progress or to exercise extreme caution when flying in areas where parachutists might be encountered.

Fort McMurray

Parajumps N56 39 W111 15 over A/D aprx 0.5NM SW thid rwy 07, alt 12,500 ASL, ocsl day, activated by NOTAM.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

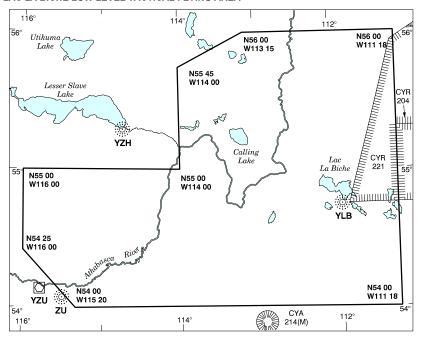
C40 PLANNING

## LAC LA BICHE LOW LEVEL TACTICAL FLYING AREA

The LAC LA BICHE LOW LEVEL TACTICAL FLYING AREA depicted on the following map contains military flying activity from the surface to 3000 feet ASL. The flying area is located within the area bounded by a line drawn from N54 00 W115 20 to N54 25 W116 00, to N55 00 W116 00, to N55 00 W114 00, to N55 45 W114 00, to N56 00 W113 15, to N56 00 W111 18, to N54 00 W111 18 to the point of beginning.

Military TAC Hel. aircraft conduct low level flights in this area under visual conditions, both day and night.

## LAC LA BICHE LOW LEVEL TACTICAL FLYING AREA



PLANNING C41

## **ALBERTA - SIGNIFICANT OBSTRUCTIONS**

The following known obstructions 300' or higher, and significant obstructions less than 300' for a VNC Chart and known obstructions 500' or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

ALBERTA - SIGNIFICANT OBSTRUCTIONS					
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG	
Twin Butte	5143	345	N49 19 00	W113 55 13	
3.4NW					
Foremost	3404	352	N49 27 35	W111 22 11	
2.9ESE					
Beaver Mines	4452	263	N49 30 17	W114 07 59	
3.6NE (Wind Turbines)	4000	050	N40 00 04	14/440 40 07	
Orion	4063	352	N49 30 24	W110 40 37	
5.9ENE Pincher	4045	351	N49 34 40	W113 52 13	
	4045	331	1149 34 40	W113 32 13	
4.3NE (Wind Turbine) Lethbridge	3704	630	N49 40 57	W112 55 34	
3.2WSW	3704	030	1149 40 37	W112 33 34	
Cranford	3525	500	N49 41 09	W112 20 52	
4.3\$	0020	000	1445 41 65	W112 20 02	
Taber	3406	394	N49 41 13	W112 20 32	
10.0SSW	0.00			2 20 02	
Lethbridge	3596	656	N49 42 23	W112 43 14	
3.6E					
Elkwater	3973	259	N49 45 17	W110 07 18	
9.0NE					
Bow Island	3125	300	N49 47 08	W111 19 26	
5.4SSE					
Irvine	2939	351	N49 57 52	W110 17 41	
1.1NW					
Carmangay	3610	197	N50 05 11	W112 57 50	
6.2ESE	0500	40=		14/4/0 =0 00	
Carmangay	3528	197	N50 08 12	W112 56 32	
6.5E	2005	407	NEO 04 47	W(440, 44, 00	
Schuler 3.8WNW	3005	197	N50 21 47	W110 11 09	
Hilda	2743	197	N50 33 49	W110 05 22	
5.3NNW	2140	197	1100 00 49	W110 03 22	
Mossleigh	3990	338	N50 37 54	W113 15 27	
6.0SSE					
Cessford	2739	351	N51 00 28	W111 42 03	
5.4W					
Airdrie	3657	100	N51 12 21	W113 59 22	
4.0S					
Dorothy	3523	197	N51 14 20	W112 26 06	
4.8WSW					
Irricanna	3353	345	N51 20 07	W113 35 36	
1.1NNE	0.40=	0.50		14/4/4 40 00	
Rose Lynn	3105	352	N51 23 36	W111 43 06	
2.2SW	2051	262	NE1 20 41	W112 10 02	
Delia 7 389E	3851	262	N51 30 41	W112 19 02	
7.3SSE Linden	3522	300	N51 38 00	W113 25 57	
3.4NE	3322	300	1401 30 00	VV 110 20 37	
J.4INE					

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C42 PLANNING

	ALBERTA - SIGNIFICANT OB		•		
	LOCATION Olds	ELEV ASL 3795	HGT AGL 370	<b>(N)LAT</b> N51 45 30	<b>(W)LONG</b> W114 05 39
	1.8S	3793	370	1131 43 30	W114 03 39
	Bowden 12.5 WNW	3535	300	N52 00 03	W114 20 52
	Bowden 10.97WNW	3340	240	N52 01 51	W114 16 48
	Caroline 2.3NW	3876	352	N52 06 52	W114 47 03
	Bodo 2.6NNW	2580	349	N52 11 42	W110 05 54
	Saunders 9.7SSW	5983	300	N52 17 44	W115 46 05
	Sylvan Lake	3799	600	N52 18 43	W113 57 28
	5.1ENE Eckville	3503	345	N52 20 22	W114 23 33
	1.8SW Clive	3226	306	N52 28 11	W113 26 13
	0.8SSE Horburg	3925	345	N52 28 29	W115 19 48
	4.0NNW Saunders	4987	351	N52 28 43	W115 44 32
	1.2NNW Rocky Mountain House	4012	381	N52 34 49	W114 54 23
	12.0N Bashaw	3040	349	N52 37 23	W112 55 58
ı	2.6NNE Bittern Lake	2848	348	N52 59 25	W113 05 23
	1.5SW Paradise Valley	2799	500	N52 59 41	W110 31 56
	8.7W				
	Lodgepole 23.5W	4368	350	N53 02 46	W115 58 02
	Lodgepole 4.1WSW	3558	300	N53 04 03	W115 24 48
	Lodgepole 5.0N	3592	345	N53 11 08	W115 19 12
	Kitscoty 9.0S	2859	500	N53 11 38	W110 21 52
	Drayton Valley Adj	2954	102	N53 13 15	W114 58 41
	Tomahawk 4.8NE	2950	250	N53 28 05	W114 44 22
	Tomahawk 6.0ESE	3163	541	N53 21 10	W114 37 22
	St. Franics	2776	351	N53 21 38	W114 17 28
	5.2NE Cooking Lake	2588	150	N53 23 57	W113 03 07
	2.76ESE Keephills	2920	453	N53 26 43	W114 26 55
	3.7W Uncas	2653	150	N53 28 30	W113 04 26
	2.7NNE				
	Edmonton City	2677	502	N53 32 38	W113 29 31

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

				PLANNING C43
ALBERTA – SIGNIFICAN		• •		
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
Sherwood Park	2553	331	N53 33 03	W113 21 14
1.3WNW	2415	249	NE2 22 04	W(112 20 20
Edmonton	2415	249	N53 33 04	W113 28 29
Adj E Beverly	2585	361	N53 33 18	W113 21 06
1.87ESE	2000	001	1400 00 10	W110 21 00
Edmonton	2220	43	N53 33 42	W113 30 34
0.2 adj				
Myrnam	2503	350	N53 37 39	W111 14 15
2.08				
Obed	4548	349	N53 42 31	W117 20 02
9.8NNW	0475	350	NEO 40 07	\M/111 44 0F
Two Hills	2475	350	N53 43 27	W111 44 05
1.0NE Andrew	2409	348	N53 53 52	W112 19 47
1.3NNE	2409	340	1400 00 02	WIIZ 13 41
Marlboro	3870	300	N53 55 43	W116 57 47
23.2NNW				
Legal	2647	350	N53 56 37	W113 37 04
1.0W				
Busby	2707	348	N53 57 06	W113 52 47
0.6ENE				
Muskeg River	5608	300	N54 00 16	W118 37 03
5.0N Whitecourt	4112	300	N54 02 06	W115 43 03
5.5SSW	4112	300	1454 02 00	W113 43 03
Blue Ridge	2800	349	N54 04 44	W115 21 43
2.9SSE	2000	0.0		
Thorhild	2474	352	N54 09 02	W113 05 24
1.1ESE				
Winniandy	5800	300	N54 10 16	W119 29 52
16.8NW				
Two Creeks	3453	349	N54 13 19	W116 36 02
9.5WSW	2244	240	NE4 44 00	W444 44 20
Glendon 1.4WSW	2344	349	N54 14 23	W111 11 30
Fort Assiniboine	2644	351	N54 16 17	W114 40 30
5.2SE	2044	331	1454 10 17	W114 40 30
Two Creeks	3310	300	N54 18 09	W116 17 17
3.0E				
Winniandy	4310	300	N54 19 35	W119 49 03
30.9NW				
Jarvie	2472	350	N54 27 36	W113 57 30
1.3ESE				
Goodridge	2375	350	N54 29 14	W111 23 18
6.2NW	0057	0.40	NE4 44 05	14440 44 00
Grovedale	3357	348	N54 41 35	W118 41 28
21.0SSE Grovedale	2950	351	N54 58 14	W119 05 44
8.4WSW	2330	551	1107 00 14	VV 113 UJ 44
6.4VVSVV Elmworth	2750	348	N55 03 30	W119 42 09
3.0W	2700	010	1100 00 00	11110 42 00
Calling Lake	2570	320	N55 07 24	W113 14 20
Calling Lake		320	1100 07 24	WIII 14 ZU

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C44 PLANNING

ALBERTA – SIGNIFICANT	OBSTRUCTIONS (C	Cont'd) HGT AGL	(N)LAT	(W)LONG
Sunset House 8.0NE	2985	350	N55 11 57	W116 42 31
Sexsmith 1.5W	2874	348	N55 20 40	W118 49 09
Tupper 5.3SSW	3373	400	N55 25 54	W120 05 06
Spurfield 20.6NNE	3410	322	N55 32 09	W113 58 14
Spurfield 20.8NNE	3352	265	N55 32 20	W113 57 54
Kathleen 1.2SE	2419	348	N55 36 19	W116 48 47
Leismer 14.0WNW	2580	401	N55 49 10	W111 26 38
Sexsmith 0.8WSW	2874	348	N55 50 40	W118 49 09
Desmarais 2.0NNW	2215	350	N55 58 34	W113 49 19
Nampa 0.8WSW	2244	350	N56 02 06	W117 09 24
Hines Creek 3.5N	2691	348	N56 18 15	W118 35 48
Chinook Valley	2656	349	N56 24 17	W117 39 41
4.8S Deadwood	2525	350	N56 42 21	W117 39 21
7.0WSW Deadwood	2307	351	N56 43 32	W117 35 17
4.5WSW Manning	1931	349	N56 54 43	W117 36 49
1.0SE Fort MacKay	1640	600	N57 02 54	W111 40 32
7.8S Hotchkiss	2255	450	N57 13 19	W117 32 50
9.5N Fort MacKay	1304	300	N57 14 46	W111 23 56
8.5ENE Hotchkiss	2625	351	N57 20 26	W117 31 54
17.0N Hamburg	3175	349	N57 25 07	W119 41 16
4.5NNE of A/D Keg River	2766	374	N57 27 10	W117 31 32
18.0SSE Keg River	1711	356	N57 47 11	W117 37 26
2.2N High Level	1455	350	N58 12 15	W117 14 18
18.9S Rainbow Lake	1864	348	N58 25 49	W119 58 29
17.8WSW Rainbow Lake	2181	600	N58 27 01	W119 13 57
6.2ESE Rainbow Lake	1867	102	N58 29 49	W119 23 43
Adj E Rainbow Lake 3.9ENE	2091	400	N58 30 01	W119 16 47

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

13.4NW

Habay 19.0N

PLANNING C45 ALBERTA - SIGNIFICANT OBSTRUCTIONS (Cont'd) LOCATION ELEV ASL HGT AGL (N)LAT (W)LONG High Level 1435 349 N58 30 21 W117 06 49 2.0SSE Rocky Lane 1371 350 N58 30 30 W116 32 19 8.8WNW Rainbow Lake 2008 350 N58 31 02 W119 09 52 7.6E High Level 1801 350 N58 34 00 W117 44 40 19.6W Habay 1622 350 N58 35 58 W118 13 11 20.0SE Habay 1787 350 N58 36 17 W118 45 24 12.0S High Level 2673 350 N58 41 25 W117 23 37

350

N59 07 49

W118 38 25

1610

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C46 PLANNING

#### **SASKATCHEWAN**

## SASKATCHEWAN - AIR NAVIGATION RADIO AIDS

Beechy NDB ident "BY" freq "266" changed to "212".

Lumsden VORTAC ident "VLN" freq 114.2 at N50 40 01 W104 53 23 var changed to "10°E".

Moose Jaw TACAN ident "UMJ" freq 109.9 Ch 96 at N50 19 52 W105 33 48 decommissioned.

Moose Jaw VORTAC ident "YMJ" freq 113.4 Ch 81 at N50 19 52 W105 33 48 commissioned.

Moose Jaw VORTAC ident "UMJ" changed to "YMJ".

Moose Jaw NDB ident "YMJ" changed to Baildon NDB ident "BD".

Prince Albert VOR ident "YPA" freq 113 at N53 12 59 W105 40 00 var changed to "14E".

Points North Landing NDB ident "4H" freq 368 at N58 16 09 W104 04 48 decommissioned.

Rocanville NDB ident "D4" freg 304 at N50 27 54 W101 33 07 decommissioned.

Swift Current VOR/DME ident "YYN" freq 117.4 at N50 17 50 W107 41 27 var changed to "12E".

#### SASKATCHEWAN - AIRSPACE DESIGNATIONS

R6 redesignated from High Level NDB to Bispo intxn to Slave Lake NDB to Edmonton NDB to Bobno intxn to Vermilion NDB to North Battleford NDB.

R9 from Calgary NDB to Sloan intxn to Saskatoon NDB to The Pas NDB to Norway House NDB redesignated as R10.

V41 designated from Prince Albert VOR to Vokul intxn to La Ronge VOR.

V74 designated from Prince Albert VOR to Alses intxn to La Ronge VOR.

V300 redesignated from Swift Current VOR to Kemdu intxn to Datso intxn to Lumsden VORTAC.

V353 from Prince Albert VOR to Vokul intxn to La Ronge VOR has been revoked.

V356 from Prince Albert VOR to Alses intxn to La Ronge VOR has been revoked.

Winnipeg Control Area Extention redesignated as the airspace above 12,500' within the area bounded by a circle of 60 miles radius centred on: N49 54 36.00 W99 56 44.00 Brandon, MB VOR, N58 44 30.00 W94 08 07.00 Churchill, MB VOR, Excluding the Northern Domestic Airspace. N51 06 18.00 W100 03 09.00 Dauphin, MB VOR, N49 51 52.00 W92 50 57.00 Dryden, ON NDB, N54 40 31.00 W101 40 09.00 Flin Flon, MB NDB, N56 21 12.00 W94 42 00.00 Gillam, MB NDB, N49 47 33.00 W94 25 27.00 Kenora, ON NDB, Excluding the airspace under the jurisdiction of the Minneapolis ARTCC. N56 51 51.00 W101 04 31.00 Lynn Lake, MB VOR, N52 48 14.00 W108 20 07.00 North Battleford, SK NDB, Excluding the airspace within Cold Lake, AB MTCA and the Saskatoon, SK TCA. N53 58 20.00 W97 50 25.00 Norway House, MB NDB, N53 12 59.00 W105 40 00.00 Prince Albert, SK VOR, N51 04 17.00 W93 45 43.00 Red Lake, ON VOR, N50 22 11.00 W104 34 23.00, Excluding the airspace within the Moose Jaw, SK MTCA. N52 10 52.00 W106 43 11.00 Saskatoon, SK VOR, N50 07 06.00 W91 53 52.00 Sioux Lookout, ON NDB, N50 17 49.00 W107 41 27.00 Swift Current, SK VOR, Excluding the airspace within the Moose Jaw, SK MTCA. N53 58 25.00 W101 06 00.00 The Pas, MB VOR, N55 48 40.00 W97 49 30.00 Thompson, MB VOR, N48 20 48.00 W89 26 01.00 Thunder Bay, ON NDB, Excluding the airspace under the jurisdiction of the Minneapolis ARTCC. N51 15 51.00 W102 28 07.00 Yorkton, SK VOR N49 54 36.00 W99 56 44.00 Brandon, MB VOR, N58 44 30.00 W94 08 07.00 Churchill, MB VOR, Excluding the Northern Domestic Airspace. N51 06 18.00 W100 03 09.00 Dauphin, MB VOR, N49 51 52.00 W92 50 57.00 Dryden, ON NDB, N54 40 31.00 W101 40 09.00 Flin Flon, MB NDB, N56 21 12.00 W94 42 00.00 Gillam, MB NDB, N49 47 33.00 W94 25 27.00 Kenora, ON NDB, Excluding the airspace under the jurisdiction of the Minneapolis ARTCC. N56 51 51.00 W101 04 31.00 Lynn Lake, MB VOR, N52 48 14.00 W108 20 07.00 North Battleford, SK NDB, Excluding the airspace within Cold Lake, AB MTCA and the Saskatoon, SK TCA. N53 58 20.00 W97 50 25.00 Norway House, MB NDB, N53 12 59.00 W105 40 00.00 Prince Albert, SK VOR, N51 04 17.00 W93 45 43.00 Red Lake, ON VOR, N50 22 11.00 W104 34 23.00, Excluding the airspace within the Moose Jaw, SK MTCA. N52 10 52.00 W106 43 11.00 Saskatoon, SK VOR, N50 07 06.00 W91 53 52.00 Sioux Lookout, ON NDB, N50 17 49.00 W107 41 27.00 Swift Current, SK VOR, Excluding the airspace within the Moose Jaw, SK MTCA. N53 58 25.00 W101 06 00.00 The Pas, MB VOR, N55 48 40.00 W97 49 30.00 Thompson, MB VOR, N48 20 48.00 W89 26 01.00 Thunder Bay, ON NDB, Excluding the airspace under the jurisdiction of the Minneapolis ARTCC. N51 15 51.00 W102 28 07.00 Yorkton, SK VOR. The airspace above 12,500' within the area bounded by a line beginning at: N56 02 42.15 W104 27 26.59 thence clockwise along the arc of a circle of 60 miles radius centred on N55 09 30.00 W105 16 00.00 La Ronge, SK VOR to N56 09 18.18 W105 21 37.58 to N56 39 11.85 W105 24 32.64 thence clockwise along the arc of a circle of 90 miles radius centred on N55 09 30.00 W105 16 00.00 La Ronge, SK VOR to N56 29 10.95 W104 02 19.03 to N56 02 42.15 W104 27 26.59 to point of beginning.

## SASKATCHEWAN - AIRSPACE DESIGNATIONS (Cont'd)

The airspace above 12,500' within the area bounded by a line beginning at: N56 02 42.15 W104 27 26.59 thence clockwise along the arc of a circle of 60 miles radius centred on N55 09 30.00 W105 16 00.00 La Ronge, SK VOR to N56 09 18.18 W105 21 37.58 to N56 39 11.85 W105 24 32.64 thence clockwise along the arc of a circle of 90 miles radius centred on N55 09 30.00 W105 16 00.00 La Ronge, SK VOR to N56 29 10.95 W104 02 19.03 to N56 02 42.15 W104 27 26.59 to point of beginning.

Moose Jaw CZ has been redesignated as follows: The airspace from the surface to  $8000^{\circ}$  ( $6100^{\circ}$  AAE) within the area bounded by a line beginning at N50 26 10 W105 45 31 to N50 25 29 W105 43 12 to N50 25 33 W105 31 58 to N50 23 41 W105 28 12 to N50 23 50 W105 19 12 thence clockwise along the arc of a circle of 10 miles radius centred on the Moose Jaw, SK ARP to the point of beginning.

Regina Class "E" Transponder Airspace has been redesignated as follows: The airspace from 4000′ to 12,500′ within the area bounded by a line beginning at N50 43 14 W105 27 40 to N50 30 30 W105 27 30 to N50 16 30 W105 00 00 to N50 08 30 W104 30 00 to N49 51 33 W104 30 00 thence counter-clockwise along the arc of a circle of 35 miles radius centred on the Regina, SK ARP to the point of beginning.

Saskatoon Class "E" Transponder Airspace has been redesignated as follows: The airspace from 2900' to below 3900' within the area of a circle of 15 miles radius centred on the Saskatoon/John G. Diefenbaker Intl, SK ARP.

Saskatoon/John G. Diefenbaker Class "D" CZ has been redesignated 5000 ASL (3400´ AAE) within a 5NM radius of the Saskatoon/John G. Diefenbaker, SK aerodrome (N52 10 15 W106 41 59), excluding CYR302.

## SASKATCHEWAN - DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000´ to 10,000´). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000´ to 10,000´) or (5000´ to below 10,000´).

CYA303(M) Moose Jaw has been revoked.

CYA308(S) Strawberry Lakes - Time of Designation changed to "Apr 1- Oct 31".

CYA311(P) Indian Head has been revoked.

CYA313(M) Moose Jaw redesignated as follows: The airspace within the area bounded by a line beginning at N50 13 38 W106 59 01 to N50 17 11 W106 12 35 thence counter-clockwise along the arc of a circle of 25 miles radius centred on the Moose Jaw VORTAC to N50 05 08 W106 05 13 to N49 47 14 W106 42 29 thence clockwise along the arc of a circle of 55 miles radius centred on the Moose Jaw VORTAC to the point of beginning.

CYA314(M) Moose Jaw redesignated as follows: A military operations area bounded by a line beginning at N50 11 00 W104 54 04 to N50 02 21 W104 36 08 to N49 38 49 W104 37 09; thence clockwise along the arc of a 55NM circle centred on the Moose Jaw VORTAC to N49 30 24 W104 56 46 to N49 55 38 W105 15 28; thence counter-clockwise along the arc of a 27NM mile circle centred on the Moose Jaw VORTAC to the point of beginning.

CYA315(P) Weyburn - A parachuting area within a 1.5NM radius centred on the Weyburn aerodrome.

Designated Altitude - Surface to 9500 ASL

Time of Designation - Cont daylight, Mar 1 - Nov 30

CYA317(P) - A parachuting area within a radius of 2NM centred on the Estevan aerodrome.

Designated Altitude - Surface to 11,500 ASL

Time of Designation - Mar 30 - Nov 30, 22Z‡ - sunset - Mon-Fri, Cont daylight - Sat, Sun & statutory hol(s)

CYR303 Moose Jaw - A military operations area bounded by a line beginning at N49 59 00 W105 58 00 to N49 59 00 W105 33 34 to N49 52 00 W105 32 00 to N49 45 00 W105 31 42 to N49 45 00 W105 49 14; thence along an arc within a 5NM radius centred on the Assiniboia A/D to N49 49 00 W105 58 00 to the point of beginning.

Designated Altitude - Surface to 10,000 ASL

Time of Designation - 14-0030Z‡ Mon-Fri when the Tower is open. Other times Ocsl by NOTAM CYR316 Maple Creek - The area is described as a circle with a radius of 1NM centred on N49 45 28 W109 15 58.

Designated Altitude - Surface to 5000 ASL

Time of Designation - Cont

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C48 PLANNING

## SASKATCHEWAN - SIGNIFICANT OBSTRUCTIONS

The following known obstructions  $300^\circ$  or higher, and significant obstructions less than  $300^\circ$  for a VNC Chart and known obstructions  $500^\circ$  or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

## **SASKATCHEWAN - SIGNIFICANT OBSTRUCTIONS**

. 0.	LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
OL	ingre 2.4ENE	2333	364	N49 09 12	W103 44 27
Cli	max	3340	358	N49 12 13	W108 28 25
	6.0SSW				
Or	kney	3220	350	N49 13 00	W107 51 27
0-	5.0NNE	2250	300	N40 27 57	W402 E0 22
Co	lgate 4.8NNE	2250	300	N49 27 57	W103 50 33
l An	tler	2139	364	N49 33 40	W101 26 21
	1.2ESE				
Kir	ncaid	2932	358	N49 41 03	W106 59 48
0	1.0N	0044	004	N40 45 00	14407 50 40
Cr	chton 2.0N	3241	364	N49 45 26	W107 52 40
I Ca	rmichael	3268	364	N49 54 11	W108 27 50
	11.0SE				
Co	rning	2559	364	N49 56 42	W102 59 04
١.	0.6SSW				
La	ngbank	2527	364	N50 03 38	W102 19 45
l Ho	1.3WNW dgeville	2708	358	N50 08 03	W106 58 23
110	1.5NW	2700	000	1100 00 00	W100 00 20
Pe	ebles	2634	364	N50 09 45	W102 59 04
	1.6ENE				
Gr	enfell	2765	610	N50 21 03	W102 56 55
Pı.	4.1SSW sh Lake	3157	607	N50 25 34	W107 28 20
IXU	2.8SE	3137	007	1130 23 34	W107 20 20
Re	gina	2600	700	N50 26 52	W104 30 02
	1.4E				
Eri	nfold	2725	350	N50 27 03	W106 51 01
Do	1.8ENE gina	2650	700	N50 30 22	W104 33 06
Ne	1.4NE	2030	700	1030 30 22	W104 33 00
Fo	x Valley	2718	358	N50 30 50	W109 27 44
	3.0NNE				
Inc	lian Head	2730	610	N50 32 49	W103 52 15
LIA	7.7WNW Ivorgate	2865	500	N50 34 00	W106 38 56
Па	3.7SSE	2005	500	1050 34 00	W100 36 30
Re	gina	2671	607	N50 37 42	W104 34 24
	8.0NNE				
Ste	ewart Valley	2660	410	N50 38 40	W107 53 54
F-3	4.5NW enwold	2506	364	NEO 20 00	W104 16 07
Ea	1.26NW	2506	304	N50 39 08	vv 104 10 U/
	1.201444				

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C49

SASKATCHEWAN - SIGNIFICANT OBSTRUCTIONS (Cont'd)					
	LOCATION Gerald	ELEV ASL 1898	HGT AGL 258	<b>(N)LAT</b> N50 39 31	<b>(W)LONG</b> W101 50 01
	1.7WSW Fort Qu'appelle 4.4WNW	2244	364	N50 46 56	W103 54 58
	Eyebrow 2.3NNW	2561	464	N50 50 07	W106 10 02
	Lemsford 1.0N	2522	264	N50 51 43	W109 07 20
	Lipton 4.1NW	2352	364	N50 56 31	W103 56 05
	Estuary 4.2NNW	2797	364	N51 00 07	W109 50 25
	Yorkton Adj SE Fonehill	2270 2360	610 610	N51 12 14 N51 12 33	W102 26 30 W102 44 01
	2.0W Imperial	2134	464	N51 12 33	W102 44 01 W105 25 50
	1.35S Alsask	2753	351	N51 25 09	W110 00 23
	2.5N Gorlitz	2230	630	N51 25 47	W102 27 23
	1.8SSW Kenaston 8.0ESE	2728	609	N51 27 29	W106 04 17
	Plenty 6.95SSW	2720	358	N51 40 43	W108 42 29
	Stranraer 2.0SSW	3143	563	N51 40 55	W108 30 48
	Smiley 7.0NNW	2720	350	N51 44 03	W109 32 59
	Dodsland 4.0SSW Rama	2649 2395	349 610	N51 44 18 N51 44 33	W108 53 16
	2.7ESE Invermay	2395	464	N51 44 55 N51 50 53	W102 56 12 W103 12 12
	3.0NW Dafoe	2225	500	N51 51 12	W104 32 02
	6.0N Elstow	2339	607	N51 59 22	W106 07 31
	2.5W Cactus Lake	2940	350	N51 59 23	W109 51 40
	8.0SSW Clavet 8.2W	1930	280	N51 59 50	W106 34 25
	Leroy 1.1WSW	2111	314	N52 00 15	W104 44 45
	Vanscoy 1.3SE	2160	464	N52 00 23	W106 57 25
	Vanscoy 4.2NE	2274	607	N52 02 24	W106 53 12
	Watson 2.2ESE	2410	610	N52 07 00	W104 28 22

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C50 PLANNING

## SASKATCHEWAN - SIGNIFICANT OBSTRUCTIONS (Cont'd)

<b>LOCATION</b> Saskatoon	ELEV ASL 1790	<b>HGT AGL</b> 189	<b>(N)LAT</b> N52 11 19	<b>(W)LONG</b> W106 35 54
3.4SW Vonda	2352	380	N52 14 46	W106 05 52
4.4S Bruno	2470	610	N52 15 30	W105 23 13
5.0E Greenwater Lake	2691	570	N52 28 03	W103 30 17
1.6SSE Middle Lake	2380	464	N52 30 05	W105 19 34
2.05NW Rutland	2675	450	N52 33 05	W109 37 16
4.0WNW Waldheim 0.8ENE	2142	364	N52 36 32	W106 39 59
McKague 2.0S	2165	365	N52 34 43	W103 56 18
Hafford 1.0SE	2290	364	N52 43 03	W107 21 30
St-Isidore-de-Bellevue 2.5E	2263	330	N52 46 59	W105 51 00
Carruthers 2.0WNW	2646	350	N52 52 20	W109 19 17
Waitville 2.5NE	2584	609	N52 53 29	W105 20 35
Neilburg 5.2N	2673	350	N52 55 42	W109 37 51
Paynton 2.4SE	2198	347	N52 59 10	W108 53 26
Fairy Glen 2.4WNW	1900	500	N53 03 25	W104 36 35
Arborfield 0.6N	1329	164	N53 07 00	W103 39 49
Waseca 3.3NNW	2700	500	N53 09 08	W109 29 38
Gronlid 11.2WNW	1897	464	N53 09 19	W104 46 46
Crutwell 2.5NW	1971	358	N53 14 40	W106 07 34
Bolney 6.4SW	2525	350	N53 16 47	W109 26 49
Bolney 5.2SW	2495	350	N53 26 50	W109 26 37
Livelong 7.9N	2683	458	N53 34 28	W108 43 52
Dore Lake 0.8W	1655	136	N54 37 11	W107 25 11
Missinipe 3.0ENE	1357	212	N55 37 06	W104 41 55
Wollaston Lake 17.0NW	1868	214	N58 11 28	W103 41 53
Points North Landing 3.0WSW of A/D	1991	370	N58 15 26	W104 09 43

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C51

SASKATCHEWAN - SIGNIF	ICANT OBSTRUCT	IONS (Cont'd)		
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
Points North Landing	1715	285	N58 31 15	W104 31 22
18.0NW of A/D				
Black Lake	1650	308	N58 49 55	W105 09 54
22.6SSE				
Fond-du-Lac	1175	210	N59 22 53	W107 08 38
4.2NNE				

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C52 PLANNING

#### **MANITOBA**

## **MANITOBA - AIR NAVIGATION RADIO AIDS**

Kelsev NDB ident "4W" freg 391 at N56 02 14 W96 30 49 commissioned.

Knee Lake NDB ident "4J" freq 314 at N54 53 00 W94 48 00 commissioned.

Lac du Bonnet NDB ident "4X" freq 386 at N50 17 25 W96 00 51 decommissioned.

Lynn Lake VOR/DME ident "YYL" freg 112.6 at N56 51 51 W101 04 31 var changed to "7E".

Russell NDB ident "3Z" freg 263 at N50 45 51 W101 17 47 commissioned.

#### **MANITOBA - AIRSPACE DESIGNATIONS**

BR5 from Churchill VOR to Rankin Inlet VOR has been revoked.

BR28 designated between Churchill NDB and Rankin Inlet NDB.

A11 between Lynn Lake NDB and Churchill NDB has been revoked.

A11 from Dauphin NDB to Delta NDB has been revoked.

B1 between Flin Flon NDB and Thompson NDB has been revoked.

G1 from Brandon NDB to Delta NDB has been revoked.

G1-R6 between Delta NDB to Winnipeg NDB has been revoked.

R9 from Calgary NDB to Sloan intxn to Saskatoon NDB to The Pas NDB to Norway House NDB redesignated as R10.

R10 between Dauphin NDB and Delta NDB redesignated as A11.

V303 between Lynn Lake VOR and Churchill VOR has been revoked.

Southport CZ has been redesignated as follows: The airspace from the surface to 4000′ (3100′ AAE) within the area bounded by a line beginning at N49 58 31 W98 30 29 to N49 58 30 W98 18 01 to N49 57 25 W98 01 43 thence clockwise along the arc of a circle of 10 miles radius centred on the Southport, MB ARP to the point of beginning.

Thompson Class "D" CZ has been redesignated to Class "E".

Winnipeg Terminal Control Area has been redesignated as follows:

- (a) Class "B" Airspace above 12,500 ASL to below 18,000 ASL within a 35NM radius centred on the Winnipeg, MB VOR.
- (b) Class "D" Airspace extending upwards from 2000 ASL up to and including 12,500 ASL within a 12NM radius centred on the Winnipeg, MB VOR, excluding the St. Andrews, MB CZ.
- (c) Class "D" Airspace extending upwards from 3000 ASL up to and including 12,500 ASL within a 35NM radius centred on the Winnipeg, MB VOR, excluding the airspace within the Southport, MB CZ and CYA 404(T).
- (d) Class "D" Airspace extending upwards from 3000 ASL up to and including 7000 ASL within the area bounded by a line beginning at N49 36 30 W97 59 27 to N49 25 24 W98 24 58; thence clockwise along a 55 DME arc of the Winnipeg, MB VOR to N50 32 10 W98 18 23 to N50 18 58 W97 54 54; thence counter-clockwise on a 35DME arc of the Winnipeg, MB VOR to the point of beginning, excluding all active Class "F" airspace and the airspace within the Southport, MB CZ.

Winnipeg International Class "D" CZ has been redesignated as follows: The airspace to below 3000' (2200' AAE) within the area bounded by a circle of 7 miles radius centred on the Winnipeg/James Armstrong Richardson Intl MB ARP N49 54 36 W97 14 24

A Class "D" Transponder Airspace Area has been designated at the Winnipeg, MB TCA.

## MANITOBA - DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000') or (5000' to below 10,000').

CYA404(T) Winnipeg redesignated as follows: The airspace within the area bounded by a line beginning at N50 07 45 W96 49 00 to N50 06 00 W96 46 00 to N50 03 30 W96 30 00 to N50 24 30 W96 29 30 to N50 25 30 W96 32 30 to N50 25 00 W96 32 30 to N50 21 30 W96 38 00 to N50 11 09 W96 47 44 to N50 08 47 W96 47 50 to point of beginning.

CYA404(T) Winnipeg - Designated Altitude changed to "Surface to 5000' cont daylight".

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

#### MANITOBA - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYA407(T) Southport redesignated as follows: The airspace within the area bounded by a line beginning at N49°58'30.05" W098°38'10.28" to N49°58'15.00" W098°46'54.00" to N49°56'55.00" W098°56'47.00" to N49°50'00.00" W098°56'10.00" to N49°41'50.00" W098°53'54.00" to N49°47'21.07" W098°36'49.10" thence clockwise along the arc of a circle of 15 miles radius centred on N49°53'58.80" W098°16'02.10" to N49°58'30.05" W098°38'10.28" point of beginning

Designated Altitude Surface to 8000'

Time of Designation-14-23Z (DT13-22Z) Mon - Fri excluding hols O/T by NOTAM

CYA411(F) Stony Mountain -The airspace within the area bounded by a circle of 0.5 mile radius centred on N50 04 18.00 W097 16 25.00.

Designated Altitude - Surface to 1300'

Time of Designation – Cont daylight

CYA411(F) Stony Mountain redesignated as follows:

Designated Altitude - Surface to 1500'

CYA411(A) Souris has been revoked.

CYA413(P) Morden has been revoked.

CYA413(M) Southport, MB The airspace within the area bounded by a line beginning at:

N49°47'21.07" W098°36'49.10" to N49°38'24.98" W099°04'22.89" thence counter-clockwise along the arc of a circle of 35 miles radius centred on N49°53'58.80" W098°16'02.10" to N49°19'46.03" W098°04'54.65" to N49°39'19.20" W098°11'14.14" thence clockwise along the arc of a circle of 15 miles radius centred on N49°53'58.80" W098°16'02.10" to N49°47'21.07" W098°36'49.10" point of beginning

Designated Altitude- 5000' to 8000'

Time of Designation- 14-23Z (DT13-22Z) Mon-Fri excluding hols O/T by NOTAM

CYA414(T) Southport has been revoked.

CYR412 Churchill has been revoked.

CYR412 Roland designated as follows: The airspace within the area bounded by a circle of 2 miles with the radius centred on N49 23 32 W97 43 08.

Designated Altitude - Surface to 8800'

Time of Designation - Ocsl by NOTAM

CYR415 Churchill has been revoked.

CYR416 Churchill has been revoked.

CYR417 Churchill has been revoked.

CYR418 Churchill has been revoked.

## **MANITOBA - BLASTING OPERATIONS**

The following is a list of locations where road construction, open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA	SITE	COORDINATES
Island Lake	2.3NM ENE of A/D	N53 52 01 W94 35 22
Selkirk	5.0 NM NE of A/D	N50 14 25 W96 46 50
		to 2000 AGL

#### **MANITOBA - CABLE CROSSINGS**

LOCATION	HIGHEST PART ASL	(N)LAT	(W)LONG
Bird	515	N56 27 18	W94 08 27
Bird	520	N56 27 40	W94 09 06
Bird	518	N56 27 20	W94 08 24
Bird	522	N56 27 41	W94 09 03
Bird	544	N56 27 15	W94 08 28
Bird	551	N56 27 36	W94 09 14
Bird	607	N56 26 18	W94 10 10

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C54 PLANNING

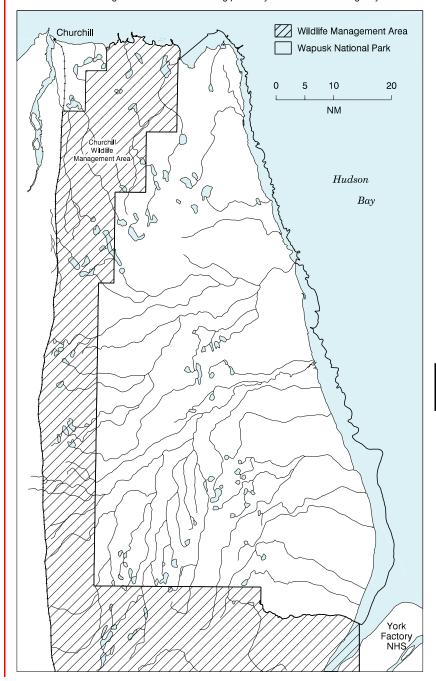
MANITOBA - CABLE CROSSINGS (Cont'd)				
Bird	607	N56 26 38 W94 10 55		
Bird	585	N56 27 24 W94 08 16		
Bird	587	N45 27 46 W94 08 55		

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

#### **MANITOBA - CONSERVATION**

#### Wapusk National Park of Canada

In the interest of minimizing the disturbance on wildlife during nesting, calving and other critical periods throughout the year and for conservation purposes, pilots of aircraft should avoid flight below 2000 AGL over Wapusk National Park. Landing of aircraft in Wapusk National Park is prohibited unless authorized through the issuance of a landing permit by the Parks Canada Agency.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C56 PLANNING

#### **MANITOBA - HAZARDS TO AIRCRAFT OPERATIONS**

## Hang Gliding and Soaring Areas

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in VFR weather conditions. Winch launches by cables up to 2,000 AGL.

NAME POSITION OPERATING TIMES

Gimli (soaring) From A/D 1 Apr - 31 Oct

3NM W

Selkirk (hang gliding) 21NM NE of A/D Daylight hrs

Max alt 7000 ft MSL

## **Parachuting Areas**

Pilots are cautioned to either avoid the following areas when parachuting is in progress or to exercise extreme caution when flying in areas where parachutists might be encountered.

Gimli – Parajumps over A/D, max alt 12,000 ASL, daylight hrs 15 Apr - 31 Oct, activated by

NOTAM

Steinbach - Parajumps within 3NM of A/D, max alt 11,000 ASL, daylight hrs 01 Apr - 31 Oct,

activated by NOTAM.

## **MANITOBA - SIGNIFICANT OBSTRUCTIONS**

LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
Goodlands	2515	192	N49 04 11	W100 29 25
4.8ESE				
Woodridge	1670	375	N49 18 37	W96 09 02
1.6N				
Altamont	1837	262	N49 24 54	W98 30 57
1.1NNW				
Grunthal	1154	300	N49 25 02	W96 52 26
1.1NW				
Carroll	1824	269	N49 35 52	W99 59 13
2.0E				
Brandon	2913	1363	N49 40 05	W100 00 42
9.0SW				
Winnipeg	1610	850	N49 45 20	W97 07 52
2.3S				
Winnipeg	1299	535	N49 53 44	W97 08 19
Adjacent City				
Winnipeg	919	148	N49 57 12	W97 12 25
Adjacent City				
White Dog	1453	328	N50 08 37	W94 56 01
0.6N				
Grand Marais	1225	350	N50 29 41	W96 32 09
5.2SE				
Poplarfield	1462	579	N50 49 45	W97 33 32
4.0SSE				
Harwell	1119	374	N51 18 16	W97 32 49
5.2NE				
Grahamdale	1220	377	N51 24 48	W98 30 53
1.0SE				
Ethelbert	3339	612	N51 28 14	W100 43 12
12.6WSW				
Jackhead	1360	622	N51 52 55	W97 18 55
2.2S				

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

				PLANNING C57			
MANITOBA - SIGNIFICANT OBSTRUCTIONS (Cont'd)							
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG			
Red Sucker Lake 1.0WSW	1137	415	N54 09 05	W93 35 30			
Gods River 0.5NNE	1024	410	N54 50 52	W94 04 27			
Wabowden 0.8W	965	190	N54 54 36	W98 39 15			

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C58 PLANNING

#### **ONTARIO**

## ONTARIO - AIR NAVIGATION RADIO AIDS

Belleville NDB ident "6M" freq 283 at N44 11 42 W77 18 30 decommissioned.

Deerhurst Resort NDB ident "D9" freq 383 at N45 21 15 W79 08 44 decommissioned.

Downsview NDB ident "YZD" freq 356 at N43 45 15 W79 28 41 decommissioned.

Elliot Lake DME ident "IEL" freq 109.1 at N46 21 10 W82 33 26 decommissioned.

Gros Cap (Sault Ste. Marie) NDB ident "ZSM" freq 286 at N46 30 44 W84 36 54 decommissioned.

Kilo NDB ident "K" freq 335 at N43 29 35 W80 17 13 changed to Wellington NDB ident "ZKF".

Kincardine DME ident "D7" freq 108.6 Ch 23 at N44 12 10 W81 36 11 decommissioned.

Manitoulin East DME ident "H7" freq 112.0 at N45 50 30 W81 51 08 decommissioned.

North Bay NDB ident "YB" freq 394 at N46 23 04 W79 28 07 decommissioned.

Petawawa TACAN ident "8U" freq 112.5 at N45 56 48 W77 19 03 decommissioned.

Sandy Falls NDB ident "ZTS" freq 263 at N48 29 55 W81 24 50 decommissioned.

Tyendinaga (Mohawk) NDB ident "2R" freg 373 at N44 10 48 W77 06 46 decommissioned.

Uplands TACAN ident "UUP" freq 108.8 at N45 19 03 W75 40 23 decommissioned.

Uplands DME ident "IOW" freq 109.5 at N45 18 50 W75 40 01 commissioned.

#### **ONTARIO - AIRSPACE DESIGNATIONS**

AR14 from Timmins NDB to Kirkland Lake NDB has been revoked.

AR24 designated from Moosonee NDB to Waskaganish NDB to Nemiscau NDB.

AR32 from Elliot Lake NDB to Timmins NDB has been revoked.

A21 redesignated from St. Catharines NDB to Putol intxn to Kendi intxn to Oshawa NDB.

V2 redesignated from Can/USA bdry to Spica intxn to Wolis intxn to Dusut intxn to Aylmer VOR.

V5 redesignated from Fingl intxn to Dusut intxn to Bovex intxn to Brokk intxn to Dolfn intxn.

V10 redesignated from Can/USA bdry to Ssunn intxn to Aztro intxn.

V26 redsignated from Maccs intxn to Musca intxn to Gemini intxn.

V37-216 redesignated from Toronto VOR to Wasie intxn to Simcoe VOR. Wasie intxn formed by a bearing of 220° from Toronto VOR at 30 DME.

V75 redesignated from Can/USA bdry to Lleeo intxn.

V90 redesignated from Can/USA bdry to Moonn intxn to Brokk intxn to Bewel intxn.

V98 redesignated from Halby intxn to Tetos intxn to Waterloo VOR.

V98 redesignated as V98-216 from Waterloo VOR to Rokto intxn to Toronto VOR.

V103 redesignated from Can/USA bdry to Maars intxn to Sphre to Can/USA bdry.

V104 redesignated from London VOR to Embro intxn to Pigli intxn to Ancol intxn to Toronto VOR.

V116 redesignated from Windsor VOR/DME to Octas intxn to Errth intxn to Can/USA bdry.

V145 from Ottawa VOR to Lorka intxn to Maniwaki NDB revoked.

V164 designated from Sudbury VOR to Perko intxn to Timmins VOR.

V164-252 designated from Toronto VOR/DME to Putol intxn to Bulge intxn.

V176 redesignated from Can/USA bdry to Ssunn intxn to Jibna intxn to Himez intxn.

V188 redesignated from Can/USA bdry to Ssunn intxn to Aztro intxn.

V216 redesignated from Etchl intxn to Igver intxn to Cedre intxn to Waterloo VOR.

V216 from Waterloo VOR to Ricki intxn to Walpp intxn to Toronto VOR has been revoked.

V5-308 redesignated from London VOR to Igver intxn to Cefor intxn.

V297 designated from Lleeo intxn to Can/USA bdry

V300 redesignated from Sault Ste. Marie VOR to Ribir intxn to Can/USA bdry to Naash intxn.

V300 redesignated from Wiarton VOR to Walpp intxn to Kicks intxn.

V308-320 redesignated from Cefor intxn to Nubem intxn to Arthr intxn.

V320 redesignated from Arthr intxn to Toronto VOR.

V332 redesignated from London VORTAC to Nubem intxn to Bigbe intxn to Midland VOR.

V348 redesignated from Sault Ste. Marie VOR to Bepup intxn to Sudbury VOR.

V337 redesignated from Can/USA bdry to Axobu intxn to Dolfn intxn.

V360 redesignated from Ottawa VORTAC to Bivgo intxn to Mirabel VOR.

V363 redesignated from Killaloe VOR/DME to ONDOB intxn to Ottawa VORTAC.

V396 designated from Windsor VOR/DME to Octas intxn to Errth intxn to Can/USA bdry.

V406 redesignated from London VORTAC to Fingl intxn to Dusut intxn to Bovex intxn to Brokk intxn to Moonn intxn to Can/USA bdry.

V410 designated from Can/USA bdry to Pices intxn to Axxis intxn to London VORTAC.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C59

## ONTARIO - AIRSPACE DESIGNATIONS (Cont'd)

V414 designated from Windsor VOR/DME to Winzz intxn to Drome intxn to Pices intxn to Axxis intxn to London VORTAC.

V418 designated from Can/USA bdry to Moonn intxn to Brokk intxn to Bewel intxn.

V450 redesignated from Can/USA bdry to Axobu intxn Axobu intxn to ZR NDB.

Falls Intl Class "E" Control Zone redesignated as follows: The airspace to 14,500° within the area bounded by a line beginning at N48 35 05 W93 30 07 to N48 37 51 W93 33 37 to N48 40 41 W93 28 32 to N48 38 01 W93 25 10 thence clockwise along the arc of a circle of 4.1 miles radius centred on Falls Intl, MN ARP to N48 37 28 W93 20 57 thence along the Can/USA bdry to N48 32 30 W93 29 58 thence clockwise along the arc of a circle of 4.1 miles radius centred on Falls Intl, MN ARP to point of beginning.

North Bay Class "D" Control Zone has been redesignated to Class "E".

Ottawa Terminal Control Area has been redesignated as follows:

- (a) Class "D" airspace 1500' to 12,500' within the area bounded by a line beginning at Ottawa, ON VOR to N45 26 09.15 W075 42 29.14 thence clockwise along the arc of a circle of 7 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to N45 26 09.87 W075 37 54.52 to N45 30 39.00 W075 26 16.00 to N45 22 19.00 W075 20 26.00 to N45 15 10.49 W075 24 12.91 thence clockwise along the arc of a circle of 12 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to point of beginning excluding the airspace below 4000' within the area bounded by a circle of 3 miles radius centred on the Rockcliffe, ON ARP.
- (b) Class "D" airspace 2500' to 12,500' within the area bounded by a line beginning at Ottawa, ON VOR to N45 42 03.05 W075 29 06.88 thence clockwise along the arc of a circle of 24 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to N45 18 44.19 W076 14 08.49 to point of beginning excluding the airspace at and below 4000' within the area bounded by a circle of 4 miles radius centred on the following Pendleton, ON ARP.
- (c) Class "D" airspace 4000' to 12,500' within the area bounded by a line beginning at Ottawa, ON VOR to N45 18 44.19 W076 14 08.49 thence clockwise along the arc of a circle of 24 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to N45 42 03.05 W075 29 06.88 to point of beginning.

Ottawa Control Area Extension has been designated as follows:

- (a) The airspace from 1500 ASL within the area bounded by a line beginning at the Ottawa, ON VOR to N45 33 43 W75 50 34 thence clocwise along the arc of a circle of 12 miles radius centred on the Gatineau, QC ARP to N45 29 41 W75 16 56 to N45 22 19 W75 20 26 to N45 31 18 W75 26 43; thence along the Gatineau, QC CZ bdry to N45 28 21 W75 33 57 to N45 25 39 W75 35 48 thence counter-clockwise along the Ottawa/Macdonald-Cartier Intl, ON CZ boundary to N45 26 21 W75 39 52 to the point of beginnning.
- (b) The airspace from 2500' within the area bounded by a line beginning at N45 46 06 W75 02 30 to N45 10 00 W74 48 50 to N44 54 18 W75 11 45 thence westerly along the northern edge of V98 thence northerly along the Toronto FIR/Montreal FIR bdry to N45 50 15 W76 16 00 to N45 58 41 W76 16 26 to the point of beginning, excluding the Ottawa TCA.

Ottawa Class "E" Transponder Airspace has been redesignated as follows:

- (a) The airspace extending upwards from 2500 ASL to below 4000 ASL within the area bounded by a line beginning at the Ottawa, ON VOR to N45 24 08 W76 00 04; thence clockwise along a 5NM arc centred on the Ottawa, ON VOR to N45 29 51 W75 48 32 to the point of beginning.
- (b) The airspace 6500' to 12,500' within the area bounded by a circle of 45 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP excluding the airspace within the Montreal TCA.

Red Lake Class "E" CZ has been redesignated as follows: Within a 5NM radius of Red Lake, ON NDB excluding that airspace below 700 ASL south of a line beginning at N51 01 47.51 W93 54 25.32 to N51 02 36.91 W93 49 33.56 to N51 01 08.66 W93 40 14.77.

Sault Ste. Marie Class "D" CZ depiction amended to include 4.4 statute mile Class "D" CZ over US airspace.

Sudbury Class "D" Control Zone has been redesignated to Class "E".

Timmins Control Area Extension has been redesignated as follows: The airspace within the area bounded by a line beginning at N49 07 32 W81 38 38 to N48 53 19 W80 37 52 thence clockwise along the arc of a circle of 35 miles radius centred on the Timmins, ON VOR to the point of beginning.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C60 PLANNING

## ONTARIO - AIRSPACE DESIGNATIONS (Cont'd)

The Toronto Control Area Extension redesignated as follows:

The airspace within the area bounded by a line beginning at N43 28 13.00 W082 11 02.00 Can/USA bdry to N43 33 06.90 W081 56 50.13 thence clockwise along the arc of a circle of 15 miles radius centred on N43 44 47.00 W081 43 51.00 Goderich, ON NDB to N43 55 00.00 W081 59 01.45 to N43 55 00.00 W081 28 40.55 thence clockwise along the arc of a circle of 15 miles radius centred on N43 44 47.00 W081 43 51.00 Goderich, ON NDB to N43 44 33.81 W081 23 09.56 to N44 46 51.00 W078 06 13.00 to N44 16 29.56 W077 38 28.36 to N44 02 24.00 W078 19 48.00 thence counterclockwise along the arc of a circle of 35 miles radius centred on N44 07 08.00 W077 31 41.00 Trenton, ON ARP to N43 38 05.35 W077 58 41.48 thence southwest along the Can/USA bdry to N43 28 13.00 W082 11 02.00 point of beginning.

The Toronto Control Area Extension redesignated as follows:

The airspace from above 17,500′ to below 18,000′ within an area bounded by a line beginning at N44 16 29.56 W077 38 28.36 to N44 02 24.00 W078 19 48.00 thence counter-clockwise along the arc of a circle of 35 miles radius centred on N44 07 08.00 W077 31 41.00 Trenton, ON ARP to N43 38 05.35 W077 58 41.48 thence east along the Can/USA bdry to N43 37 59.00 W077 04 06.00 Can/USA bdry to N44 16 29.56 W077 38 28.36 point of beginning.

The Toronto Control Area Extension redesignated as follows:

The airspace within the area bounded by a line beginning at N44 27 12.00 W076 51 46.00 thence along the southern edge of V98 to N44 30 08.00 W076 38 31.00 thence along the western edge of R2 to N44 28 20.00 W076 39 06.00 thence clockwise along the arc of a circle of 15 miles radius centred on Kingston, ON ARP to N44 12 14.00 W076 15 10.00 thence southwest along the Can/USA bdry to N44 03 33.00 W076 28 13.00 to N44 07 28.00 W076 43 06.00 thence counter-clockwise along the arc of a circle of 35 miles radius centred on Trenton, ON ARP to point of beginning

Toronto Control Area Extension has been redesignated as follows:

From 2500° within an area bounded by a line beginning at N45 50 35 W77 52 02 eastern edge of V316 to N45 43 35 W77 34 14 northern edge of V370 to N45 33 27 W76 15 07 Toronto FIR/Montreal FIR boundary to N44 44 59 W76 12 37 northern edge of V98 to N44 33 57 W76 58 58 thence clockwise along the arc of a circle of 70 miles radius centred on the Ottawa, ON VOR to N44 41 24 W77 09 21 northern edge of V104 to N44 47 09 W76 57 46 thence clockwise along the arc of a circle of 60 miles radius centred on the Ottawa, ON VOR to N45 28 49 W77 18 59 western edge of V316 to N45 36 16 W77 38 50 to N45 43 37 W77 57 34 to the point of beginning.

Toronto Control Area Extension has been redesignated as follows:

The airspace from 4500° and above within the area bounded by a line beginning at N43 48 03.09 W081 12 45.52 to N43 53 33.04 W081 13 13.48 to N43 53 56.26 W081 13 10.40 to N44 30 20.82 W081 12 17.81 thence clockwise along the arc of a circle of 15 miles radius centred on N44 44 45.00 W081 06 26.00 Wiarton, ON ARP to N44 42 58.91 W080 45 32.31 thence clockwise along the arc of a circle of 80 miles radius centred on N43 39 29.00 W079 37 54.00 Toronto, ON VOR to N44 58 50.96 W079 51 51.51 thence counter-clockwise along the arc of a circle of 25 miles radius centred on N45 02 21.00 W079 16 58.00 Muskoka, ON NDB to N44 50 18.06 W078 46 07.77 to N44 40 47.81 W078 26 29.72 to N43 48 03.09 W081 12 45.52 point of beginning.

Toronto/Lester B. Pearson Intl Class "F" CZ has been redesignated to Class "C".

Trenton Class "C" CZ has been redesignated to Class "D".

Toronto Transition Area has been redesignated as follows:

The airspace within the area bounded by a line beginning at N44 09 57.27 W78 58 30.04 thence clockwise along the arc of a circle of 15 miles radius centred on Oshawa, ON ARP to N43 51 19.00 W78 33 44.00 to N43 07 07.00 W78 50 45.00 thence clockwise along the arc of a circle of 15 miles radius centred on Niagara District, ON ARP to N42 56 30.00 W79 09 40.00 to N42 55 20.00 W79 55 04.00 thence clockwise along the arc of a circle of 15 miles radius centred on Hamilton, ON ARP to N42 59 00.00 W80 09 19.00 to N43 16 10.00 W80 36 29.00 thence clockwise along the arc of a circle of 15 miles radius centred on Waterloo Regional, ON ARP to N43 40 02.00 W80 34 29.00 to N43 58 46.00 W79 55 16.00 thence clockwise along the arc of a circle of 23 miles radius centred on Toronto, ON VOR to N44 01 51.00 W79 45 28.00 to point of beginning.

Trenton Military Terminal Control Area has been redesignated as follows:

- (a) The airspace 700 ASL to 17,000 ASL within the area bounded by a line beginning at N44 02 24 W78 19 48; thence along the southern boundary of V98 to N44 17 04 W77 36 46 to N44 27 12 W76 51 46; thence clockwise along the arc of a 35NM circle centred on the Trenton, ON ARP to the point of beginning.
- (b) The airspace 2200 ASL to 17,000 ASL within the area bounded by a line beginning at N44 07 28 W76 43 06 to N44 03 33 W76 28 13 to N43 37 52 W76 47 49; thence along the Can/USA bdry to N43 37 59 W77 04 53; thence counter-clockwise along the arc of a 35NM circle centred on the Trenton, ON ARP to the point of beginning.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C61

## ONTARIO - AIRSPACE DESIGNATIONS (Cont'd)

Windsor Control Zone has been redesignated as follows:

The airspace to below 3000′ (2400′ AAE) within the area bounded by a circle of 6 miles radius centred on the Windsor, ON ARP excluding the airspace to below 700' AGL overlying the Detroit River and Lake St. Clair.

Toronto Tranponder Airspace has been redesignated as follows:

Class E Mode C transponder airspace within 65 NM of Toronto VOR above 6500' ASL to 12500' ASL

#### ONTARIO - DANGER, RESTRICTED & ADVISTORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000') or (5000' to below 10,000').

CYA509(P) Cookstown designated as follows: The airspace within the area bounded by a circle of 1 mile radius centred on N44 14 20.00 W079 38 20.00

Designated Altitude - Surface to 4500' Ocsl higher by NOTAM

Time of Designation - Ocsl daylight by NOTAM

CYA512(P) Simcoe redesignated as follows: A parachuting area bounded by a line beginning at N42 49 02 W80 16 30 to N42 51 00 W80 17 07 to N42 50 45 W80 18 30 to N42 51 53 W80 19 26; thence clockwise along the arc of a 2NM circle centred on N42 51 00 W80 17 00 to the point of beginning.

Designated Altitude - Surface to 7500 ASL, Ocsl higher by NOTAM

Time of Designation - Cont daylight Wed, Sat, Sun & Hol, O/T by NOTAM

CYA514(P) New Lowell has been revoked.

CYA517(P) Arthur North has been revoked.

CYA519(A) Windsor has been revoked.

CYA521(M) North Bay redesignated as follows: A military operations area bounded by a line beginning at N46 32 17 W79 51 34 to N46 56 00 W80 46 00 to N47 23 00 W79 57 40 to N46 53 50 W79 42 00 to N46 40 27 W79 38 27 to the point of beginning.

CYA523(A) Mount Forest redesignated as follows: An acrobatic area bounded by a line beginning at N44 00 00 W80 32 30 to N43 58 40 W80 30 00 to N43 54 45 W80 28 30 to N43 53 30 W80 33 00 to N43 54 50 W80 35 20 to N43 57 00 W80 35 00 to N43 59 50 W80 33 15 to the point of beginning.

CYA528(S)/(T) Kemptville redesignated as follows: The airspace within the area bounded by a line beginning at N45 05 59.00 W075 46 23.00 to N45 03 50.00 W075 45 48.00 to N45 03 02.00 W075 44 51.00 to N45 01 42.00 W075 39 32.00 to N44 57 19.00 W075 34 18.00 thence clockwise along the arc of 6 miles radius centred on N44 51 44.00 W075 37 24.00 to N44 56 07.29 W075 31 38.95 thence counter-clockwise along the arc of a 24 miles radius centred on Ottawa/Macdonald-Cartier Intl. ON ARP to N45 03 13.10 W075 15 01.84 to N45 06 53.00 W075 41 26.00 to point of beginning.

Designated Altitude - Surface to below 4000 ASL

Time of Designation - Ocsl daylight by NOTAM

CYA532(A) Lake Simcoe - Time of Designation changed to "Ocsl by NOTAM".

CYA534(S) Kars redesignated as follows: The airspace within the area bounded by a line beginning at N45 06 46 W75 42 06 to N45 06 53 W75 41 26 to N45 05 50 W75 33 46 thence counter-clockwise along the arc of a circle of 3 miles radius centred on the Kars/Rideau Valley Air Park ARP to the point of beginning

CYR412 Churchill has been revoked.

CYR415 Churchill has been revoked.

CYR416 Churchill has been revoked.

CYR417 Churchill has been revoked.

CYR503 Kingston redesignated as follows: The area is described as a circle with a radius of 1NM centred on N44 13 15 W76 30 49.

CYR507 Collins Bay redesignated as follows: The area is described as a circle with a radius of 1NM centred on N44 14 05 W76 33 13 excluding that portion lying within CYR503.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C62 PLANNING

#### ONTARIO - DANGER, RESTRICTED & ADVISTORY AREAS (Cont'd)

CYR509 Ipperwash designated as follows: The airspace within the area bounded by a circle of 3 miles with the radius centred on N43 12 38 W81 55 56.

Designated Altitude - Surface to 6000'

Time of Designation - Fridays 1230-17Z‡ O/T by NOTAM

CYR509 Ipperwash redesignated as CYR514

CYR510 Chalk River redesignated as follows: The airspace within the area bounded by a line beginning at N46 01 06 W77 25 21 thence clockwise along the arc of a circle of 2.5 miles radius centred on N46 02 00 W77 22 00 to N46 01 27 W77 18 30 thence along the Ottawa River shoreline to N46 02 17 W77 20 42 to the point of beginning.

CYR533 Kitchener - The area is described as a circle with a radius of 1NM centred on N43 24 07 W80 26 28.

Designated Altitude - Surface to 1500 ASL.

Time of Designation - Cont

CYR535 Cayuga - The area is described as a circle with a radius of 2NM centred on N42 54 10 W79 50 55.

Designated Altitude - Surface to 11,000 ASL

Time of Designation - Ocsl by NOTAM

CYR536 Dwyer Hill - The airspace within the area bounded by a line beginning at N45 09 46 W75 56 24 to N45 07 25 W75 53 37 to N45 05 16 W75 57 09 to N45 07 35 W75 59 10 to N45 09 46 W75 56 24 point of beginning.

Designated Altitude - Surface to 2500 ASL

Time of Designation - Cont

CYR537 Parliament Hill - The airspace within the area bounded by a circle of 0.25 mile radius centred on N45 25 29.00 W075 41 59.00.

Designated Altitude - Surface to 1500'

Time of Designation - Cont

CYR538 Rideau Hall - The airspace within the area bounded by a circle of 0.25 mile radius centred on N45 26 40.00 W075 41 32.00.

Designated Altitude - Surface to 1500'

Time of Designation - Cont

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C63

## **ONTARIO - BLASTING OPERATIONS**

The following is a list of locations where road construction, open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated

GENERAL AREA	SITE	COORDINATES	
Windsor (Area 1)	1.0 NM	N42 09 19	W83 00 21
Windsor (Area 2)	1.0 NM	N42 05 21	W83 05 06
Victor Mine	2.0 NM	N52 49 14	W83 53 01 to 1500 AGL
Creighton	0.5 NM radius 6 NM SW of A/D to 2000 AGL	N46 27 31	W81 13 27
Creighton	0.5 NM radius 6 NM SW of A/D	N46 27 30	W81 12 47
Whitefish	0.5 NM radius 10 NM WSW of A/D to 2000 AGL	N46 25 47	W81 19 22

#### ONTARIO - HAZARDS TO AIRCRAFT OPERATIONS

## **Hang Gliding Areas**

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in

VFR weather conditions.

NAME POSITION COORDINATES North side of Hwy 7. 2 km E of N43 55 01 Brougham W79 07 07

Brougham

## **Soaring Areas**

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in VFR weather conditions. Winch launches by cables up to 2,000 AGL.

NAME POSITION OPERATING TIMES

Embrun From A/D to 2NM N Weekends and holidays,

activated by NOTAM.

St. Catharines/Niagara District Near A/D Sat, Sun, hol

Apr-Jun, Sep-Nov

## **Parachuting Areas**

Pilots are cautioned to either avoid the following areas when parachuting is in progress or to exercise extreme caution when flying in areas where parachutists might be encountered.

- Parajumps within 1NM radius of N43 18 09 W79 58 20 (7.9NM NNW of Dundas Hamilton Airport, CYHM) to 13,000 ASL, activated by NOTAM.

Dunnville Parajumps on A/D and within 2NM radius to 14,000 ASL, daily.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C64 PLANNING

# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) CLAREMONT TRAINING AREA

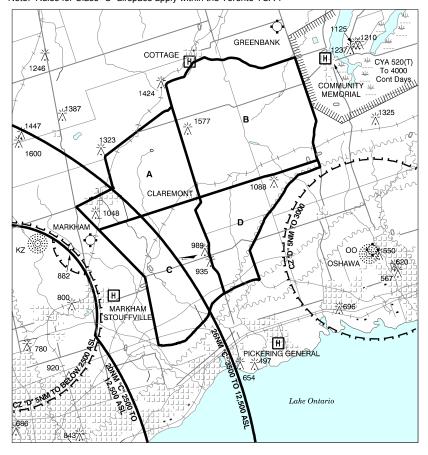
Flight training is extensively conducted in the depicted areas ("A", "B", "C", "D") below and outside the Toronto TCA.

Training aircraft report entering, leaving and transiting the areas on 122.9 MHz.

Aircraft conducting instrument approach procedures at Oshawa airport may operate into areas "A", "B" and "D".

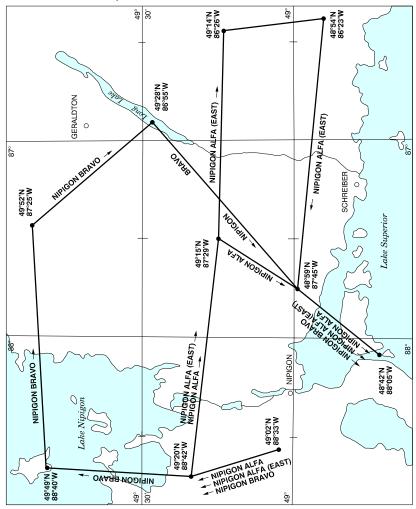
Aircraft conducting the VOR/DME A instrument approach at Toronto/Downsview airport may operate into areas "C" and "D".

Note: Rules for Class "C" airspace apply within the Toronto TCA".



# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) NIPIGON TRAINING AREA

Aircraft will follow routes as shown on chart, remain within 5NM of centreline and maintain VFR conditions. Altitudes will vary between 100 AGL and 9,500 ASL.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C66 PLANNING

# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) ALGONQUIN LOW LEVEL TACTICAL AIR TRANSPORT EXERCISES (TATEX)

The area identified as the ALGONQUIN TATEX area and depicted on the following map, contains military training activity from surface to 6,000 feet ASL. The TATEX area is located within the area bounded by a line drawn from N44 44 W78 03, to N44 58 W78 10, to N45 20 W78 30, to N45 30 W78 30, to N47 00 W78 30, to N47 00 W77 40, to N46 54 W77 30, to N46 30 W77 30, to N46 12 W77 44, to N46 04 W77 24, a point on the boundary of CYR510, thence counter-clockwise via the boundary of CYR511 to N45 50.5 W77 32.3, to N45 47.5 W77 44, to N45 35 W77 44, to N45 18 W76 55, to N45 07 W77 00, to N44 57 W77 28 to the point of beginning.

Military transport aircraft conduct low level formation flights in this area under visual and instrument meteorological conditions, both day and night. During VFR weather conditions formations may depart the area and continue to operate low level.

Activation of the ALGONQUIN TATEX area will be advertised by NOTAM under the heading TORONTO FIR with as little as 24 hours advance notice.

#### TATEX CORRIDOR AND TATEX LOW LEVEL TRAINING ROUTES - TATEX 607, TATEX 608

The area identified as the TATEX Corridor, surface to 6000 ASL, is used as a transition zone from CYTR to the Algonquin Tatex Area in IFR weather. The corridor is between N44 44 W78 03, N44 11 W77 43, N44 24 W77 07, N44 57 W77 28.

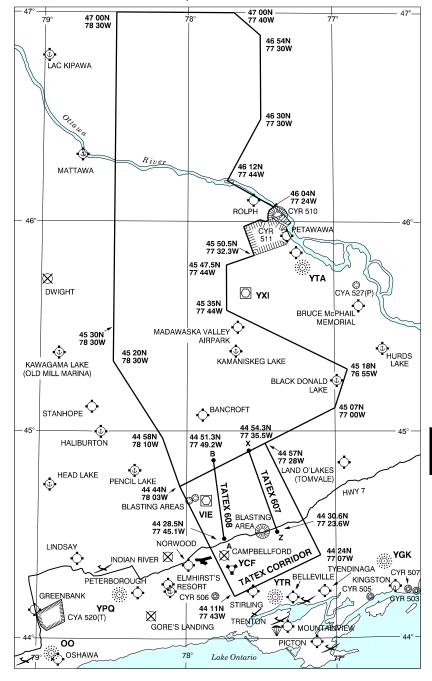
The area identified as TATEX 607 contains military training activity from the surface to 6000 ASL, within 4NM of the centreline in IFR conditions. TATEX 607 is between N44 30.6 W77 23.6 and N44 54 3 W77 35 5

The area identified as TATEX 608 contains military training activity from the surface to 6000 ASL, within 4NM of the centreline in IFR conditions. TATEX 608 is between N44 51.3 W77 49.2 and N44 28.5 W77 45.1.

Military transport aircraft conduct low level flights in these areas under instrument meteorological conditions, both day and night. Non-participating pilots are urged to exercise caution in the vicinity of these routes.

Activation of the corridor and these routes will be advertised on CYTR ATIS freq 135.45 or 257.7.

## ALGONQUIN LOW LEVEL TATEX AREA, CORRIDOR AND TRAINING ROUTES



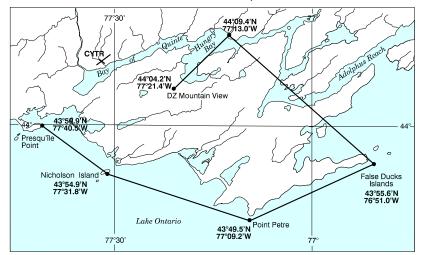
Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C68 PLANNING

# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) TATEX 601

The area identified as TATEX 601 contains military training activity from surface to 3000 ASL, within 4NM of the centerline in IFR or VFR conditions. TATEX 601 is from N43 59.9 W77 40.5 (Presqu'île Light House) to N43 54.9 W77 31.8 (Nicholson Island) to N43 49.5 W77 09.2 (Point Petre) to N43 55.57 W76 51.00 (False Ducks Islands) to N44 09.4 W77 13.0 (Hungry Bay Point) to N44 04.2 W77 21.4 (DZ Mountain View).

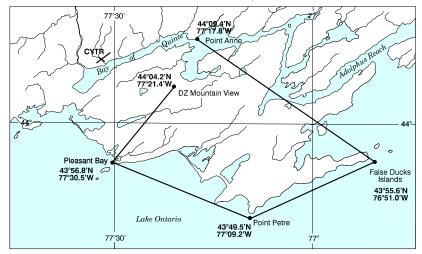
Military transport aircraft conduct low level flights in this area under visual and instrument meteorological conditions, both day and night. During VFR weather conditions formations may depart the area and continue to operate low level. Non-participating pilots are urged to exercise caution in the vicinity of this route.



# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) TATEX 602

The area identified as TATEX 602 contains miltary training activity from surface to 3000 ASL, within 4NM of the centerline in IFR or VFR conditions. TATEX 602 is from N44 09.4 W77 17.8 (Point Anne) to N43 55.57 W76 51.00 (False Ducks Islands) to N43 49.5 W77 09.2 (Point Petre) to N43 56.8 W77 30.5 (Pleasant Bay) to N44 04.2 W77 21.4 (DZ Mountain View).

Military transport aircraft conduct low level flights in this area under visual and instrument meteorological conditions, both day and night. During VFR weather conditions formations may depart the area and continue to operate low level. Non-participating pilots are urged to exercise caution in the vicinity of this route.



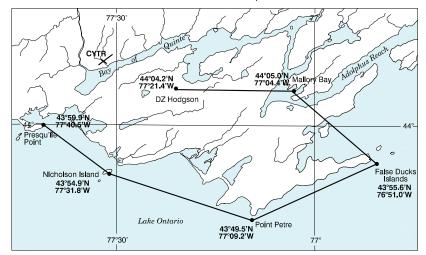
Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C70 PLANNING

# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) TATEX 603

The area identified as TATEX 603 contains miltary training activity from surface to 3000 ASL, within 4NM of the centerline in IFR or VFR conditions. TATEX 603 is from N43 59.9 W77 40.5 (Presqu'île Light House) to N43 54.9 W77 31.8 (Nicholson Island) to N43 49.5 W77 09.2 (Point Petre) to N43 55.57 W76 51.00 (False Ducks Islands) to N44 05.0 W77 04.4 (Mallory Bay) to N44 04.2 W77 21.4 (DZ Hodgson).

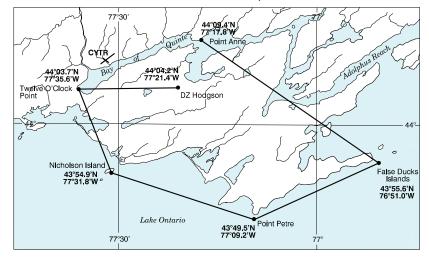
Military transport aircraft conduct low level flights in this area under visual and instrument meteorological conditions, both day and night. During VFR weather conditions formations may depart the area and continue to operate low level. Non-participating pilots are urged to exercise caution in the vicinity of this route.



# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) TATEX 604

The area identified as TATEX 604 contains miltary training activity from surface to 3000 ASL, within 4NM of the centerline in IFR or VFR conditions. TATEX 604 is from N44 09.4 W77 17.8 (Point Anne) to N43 55.57 W76 51.00 (False Ducks Islands) to N43 49.5 W77 09.2 (Point Petre) to N43 54.9 W77 31.8 (Nicholson Island) to N44 03.7 W77 35.6 (Twelve O'Clock Point) to N44 04.2 W77 21.4 (DZ Hodgson).

Military transport aircraft conduct low level flights in this area under visual and instrument meteorological conditions, both day and night. During VFR weather conditions formations may depart the area and continue to operate low level. Non-participating pilots are urged to exercise caution in the vicinity of this route.



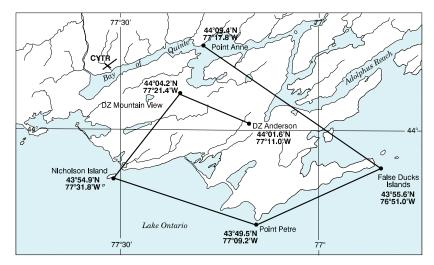
Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C72 PLANNING

# ONTARIO – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) TATEX 606

The area identified as TATEX 606 contains military training activity from surface to 3000 ASL, within 4NM of the centerline in IFR or VFR conditions. TATEX 606 is from N44 09.4 W77 17.8 (Point Anne) to N43 55.57 W76 51.00 (False Ducks Islands) to N43 49.5 W77 09.2 (Point Petre) to N43 54.9 W77 31.8 (Nicholson Island) to N44 04.2 W77 21.4 (DZ Mountain View) to N44 01.6 W77 11.0 (DZ Anderson).

Military transport aircraft conduct low level flights in this area under visual and instrument meteorological conditions, both day and night. During VFR weather conditions formations may depart the area and continue to operate low level. Non-participating pilots are urged to exercise caution in the vicinity of this route.



### **ONTARIO - SIGNIFICANT OBSTRUCTIONS**

The following known obstructions 300′ or higher, and significant obstructions less than 300′ for a VNC Chart and known obstructions 500′ or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

### ONTARIO - SIGNIFICANT OBSTRUCTIONS

LOCATION South Woodslee	ELEV ASL 936	HGT AGL 312	<b>(N)LAT</b> N42 08 59	<b>(W)LONG</b> W82 38 38
4.5SE Comber 3.8SSW	878	263	N42 10 13	W82 34 36
Port Alma 1.6NE (Wind Turbines)	1066	415	N42 14 44	W82 07 47
North Buxton 1.8SSW	857	263	N42 16 33	W82 14 23
Morpeth 2.6WSW	885	262	N42 21 32	W81 53 00
Ridgetown 1.8S	984	263	N42 24 30	W81 52 48
Chatham 3.0NNW	905	312	N42 26 31	W82 13 41
Duart 3.0ESE	907	263	N42 28 22	W81 41 50
Mitchell's Bay 1.2NNE	845	270	N42 29 26	W82 23 35
Walsingham 5.5SSW (Wind Turbines)	1040 1024	397 397	N42 35 52 N42 36 02	W80 34 49 W80 36 18
Walsingham 5.5SW (Wind Turbines) Florence	979	344	N42 39 27	W82 01 47
0.5WNW Wardsville	1041	345	N42 39 29	W81 46 34
1.0NW Port Burwell	935	295	N42 39 42	W80 48 06
1.5N Melbourne	1056	345	N42 48 28	W81 33 57
0.6SW Peacock Point	973	345	N42 49 09	W80 03 32
3.8WNW Selkirk	994	345	N42 50 15	W81 56 59
1.0WNW Delawane	1102	312	N42 50 25	W81 22 25
4.6SSE Alvinston 1.3N	1717	1005	N42 50 27	W79 50 45
Port Maitland (Wind Turbines)	1011	397	N42 51 04	W79 29 25
Cayuga 0.5S	1024	400	N42 56 29	W79 50 45
Hagersville 1.0WNW	1080	345	N42 58 10	W80 04 27
Sarnia 7.6E	909	279	N42 58 47	W82 13 34

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C74 PLANNING

## ONTARIO - SIGNIFICANT OBSTRUCTIONS (Cont'd)

<b>LOCATION</b> Salford	ELEV ASL 1699	HGT AGL 699	<b>(N)LAT</b> N43 00 44	<b>(W)LONG</b> W80 50 10
1.2NNW Dorchester 1.8NNW	1235	329	N43 00 49	W81 04 34
Binbrook 2.5SW	920	263	N43 05 11	W79 50 18
Woodstock 4.8NW of A/D	1340	312	N43 08 15	W80 53 15
Kintore 1.1E	1366	312	N43 08 21	W81 00 32
Ipperwash Beach 1.8S(Wind Turbines)	1070	397	N43 10 42	W81 58 36
Hamilton Adj E	967	317	N43 12 21	W79 43 50
Hamilton City	825	530	N43 15 13	W79 51 55
Tavistock 1.1SW	1422	312	N43 18 35	W80 51 35
Kirkton 0.6SE	1346	345	N43 18 55	W81 18 24
Exeter 1.5ESE	1282	345	N43 20 46	W81 26 35
Hensall 0.5SE Brucefield	1285 1199	345 302	N43 25 58 N43 31 18	W81 29 15 W81 32 58
1.5W Brucefield	1083	164	N43 31 16	W81 29 32
1.2ENE Mississauga	719	204	N43 33 38	W79 42 09
Adj Milverton	1559	345	N43 33 57	W80 56 57
0.7W Atwood	1517	312	N43 39 24	W81 00 01
1.4SE Acton	1401	220	N43 39 28	W80 00 24
2.0NNE Goderich	1090	400	N43 40 42	W81 42 31
4.0S Fergus	1659	289	N43 42 44	W80 20 56
1.8ENE Auburn	1261	260	N43 43 37	W81 34 41
3.6SSW Brampton	811	215	N43 44 48	W79 40 46
4.0NE Grand Valley	1895	345	N43 52 17	W80 18 33
1.6SSW Wellington 2.0E	558	295	N43 57 49	W77 18 22
2:0E Grafton 1.0NNE	940	295	N44 00 37	W78 01 09
Teeswater 1.0NNE	1360	345	N44 00 55	W81 16 41

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C75

				PLAINING C/S
ONTARIO – SIGNIFICANT OBS	TRUCTIONS (C	ont'd)		
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
Ripley	955	263	N44 01 58	W81 40 25
5.0SW Bloomfield	653	345	N44 02 16	W77 17 36
4.3NW	033	343	1144 02 10	W// 1/ 30
Ripley	1163	392	N44 03 29	W81 38 53
2.8SW (Wind Turbines)				
Ripley	1060	279	N44 03 31	W81 35 19
0.7SW				
Ripley	995	263	N44 04 45	W81 37 42
2.0WNW				
Holland Landing	988	132	N44 05 22	W79 29 35
0.5S	394	143	N44 06 12	W77 24 17
Trenton Adi	394	143	N44 06 12	W77 34 17
Caesarea	1352	312	N44 08 57	W78 45 39
3.2 E	1002	012	1411 00 07	***************************************
Kincardine	935	295	N44 09 17	W81 36 58
1.4SE				
Marysville	1325	1000	N44 10 02	W76 25 40
1.5SE				
Bethany	1538	279	N44 10 40	W78 37 43
2.6W	4050	0.47	N44 44 00	14/70 07 40
Keswick	1052	247	N44 11 30	W79 27 42
2.2S Kingston	753	500	N44 12 36	W76 25 04
8.0ESE of A/D	755	300	1144 12 30	VV70 23 04
Glammis	1279	345	N44 12 48	W81 23 02
0.3NNE				
Borden	1374	328	N44 13 13	W80 02 53
6.6SW				
Tiverton	1154	397	N44 14 47	W81 33 45
1.6SSW (Wind Turbines)				
Thornton	1203	230	N44 15 10	W79 42 40
1.5SSE	1070	207	N44 46 20	W01 05 50
Underwood 1.8SJ	1270	397	N44 16 39	W81 25 59
Kingston	765	345	N44 16 49	W76 29 47
2.0N	700	040	1444 10 45	VV10 25 41
Kingston	969	510	N44 17 22	W76 28 49
1.2N				
Underwood	1050	295	N44 18 27	W81 32 20
2.3W				
Peterborough	1857	1070	N44 19 41	W78 17 59
Adj City				
Barrie	1152	230	N44 21 15	W79 41 36
Adj S	4500	242	N44 24 46	W00 11 10
Singhampton	1588	213	N44 21 46	W80 11 42
2.6ENE Battersea	627	295	N44 24 05	W76 19 26
2.5SE	UZ1	200	1111 24 00	11.0 10 20
Battersea	742	345	N44 25 10	W76 17 34
3.9E				
	742	345	N44 25 10	W/6 1/ 34

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C76 PLANNING

## ONTARIO - SIGNIFICANT OBSTRUCTIONS (Cont'd)

	LOCATION Bobcaygeon	ELEV ASL 1478	HGT AGL 560	<b>(N)LAT</b> N44 26 44	<b>(W)LONG</b> W78 32 00
l	6.0S Chatsworth 1.0NW	1303	345	N44 28 00	W80 55 22
1	Mallorytown 0.6ESE	633	295	N44 28 21	W75 52 23
	Wasaga Beach 2.0E	985	375	N44 28 40	W80 00 51
I	Oro Station 2.0NW	1120	120	N44 29 28	W79 33 40
•	Bobcaygeon 0.5W	1242	345	N44 32 38	W78 34 09
	Warminster 0.2NNW	1161	214	N44 38 38	W79 33 18
	Apsley 5.0SSW	1355	354	N44 40 45	W78 07 55
	Buena Vista Park Adj	995	246	N44 42 57	W79 22 57
	North Augusta 1.5 SE	694	300	N44 44 22	W75 43 32
	Cardinal 1.7W	629	345	N44 47 45	W75 25 23
	Gooderham 1.0SSW	1627	377	N44 53 21	W78 23 16
	Cornwall 0.5S Lanark	478 827	295 345	N45 00 20 N45 02 11	W74 43 54 W76 15 11
	4.8ENE Lakewood	1650	400	N45 02 11	W78 57 43
	5.5ENE Long Sault	635	345	N45 03 21	W74 52 16
ï	1.8NNE MacTier	883	246	N45 05 48	W80 02 49
ı	11.4WSW Miller Lake	1008	345	N45 05 50	W81 27 02
	0.5SW Winchester	500	300	N45 06 03	W75 21 05
	Adj Bracebridge	1500	350	N45 07 24	W79 11 58
	6.6NE Richmond	636	315	N45 10 14	W75 49 00
	1.4SSE Denbigh	1687	263	N45 10 20	W77 21 10
	4.0NW Windermere	1393	345	N45 12 31	W79 30 09
	2.8NE Ottawa 9.0SSE	1033	741	N45 13 01	W75 33 51
	9.055E Baysville 4.6N	1650	350	N45 13 32	W79 07 16
	Maxville 0.2SE	661	295	N45 16 40	W74 50 45

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C77

ONTARIO - SIGNIFICANT OBSTRUCTIONS (Cont'd)				
LOCATION White Lake 3.4SW	ELEV ASL 901	HGT AGL 300	<b>(N)LAT</b> N45 17 31	<b>(W)LONG</b> W76 30 36
Orrville 6.4SW	1115	295	N45 18 11	W79 53 10
Parry Sound 0.5ESE	895	95	N45 20 26	W80 01 00
Parry Sound 1.6ENE	1115	295	N45 21 17	W80 00 02
Kanata 3.0WNW	607	282	N45 21 50	W75 58 44
Navan 1.0E	581	300	N45 25 15	W75 24 11
Whitney 2.0ENE	1949	345	N45 29 57	W78 11 17
Whitney 5.0NE90	1921	262	N45 32 53	W78 08 52
Shawanaga 2.6NNW	1033	312	N45 33 25	W80 17 46
Burk's Falls 4.0W	1604	504	N45 36 08	W79 28 38
Pointe au Baril Station 6.1NNW	1021	345	N45 41 24	W80 26 11
Byng Inlet 4.6SE	827	197	N45 42 48	W80 28 53
Whitestone 2.8NW	1150	400	N45 42 58	W80 01 11
Petawawa 1.5SW	825 967	295 312	N45 52 45 N45 54 26	W77 18 21 W80 34 26
Key River 0.6N Killarney	996	345	N45 59 02	W81 29 44
0.49NNE Deep River	854	296	N46 04 18	W77 28 28
1.4SSE Jamol	913	197	N46 05 14	W80 35 44
1.6SW Noelville	1024	279	N46 08 42	W80 25 46
0.5N Massey	1051	351	N46 13 37	W82 00 53
2.9ENE North Bay	1064	345	N46 18 23	W79 25 37
Adj SE Cooks Mills	1467	351	N46 23 31	W79 28 02
0.8S Sudbury	1195	361	N46 25 16	W80 53 39
1.1SE Lively	1200	300	N46 25 38	W81 10 48
1.5SW Sudbury	1254	345	N46 26 23	W80 57 57
2.84SSE Crystal Falls 2.2WNW	1152	345	N46 28 13	W79 56 00

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C78 PLANNING

## ONTARIO - SIGNIFICANT OBSTRUCTIONS (Cont'd)

on the contract of the contrac					
LOCATION Sudbury	ELEV ASL 1177	HGT AGL 214	<b>(N)LAT</b> N46 29 56	<b>(W)LONG</b> W80 55 06	
City Adj SE					
Sault Ste. Marie 1.5SW	863	263	N46 30 50	W84 24 37	
Field 0.5E	1168	345	N46 31 26	W80 00 24	
Sudbury	1119	246	N46 31 26	W80 54 07	
City Adj E Azilda 2.0SE	1351	351	N46 32 13	W81 05 09	
Sault Ste. Marie	898	279	N46 32 47	W84 13 58	
Gros Cap	1290	263	N46 33 59	W84 34 56	
2.2NNW Gros Cap	1310	263	N46 34 05	W84 34 56	
2.3NNW Gros Cap	1428	263	N46 34 56	W84 30 20	
4.2NE Gros Cap	1353	263	N46 35 05	W84 33 31	
3.0N Wharncliffe	1838	263	N46 37 49	W83 24 33	
12.5N Goulais Mission	1661	263	N46 37 49	W84 27 27	
5.5SSE Sault Ste. Marie	1778	384	N46 38 03	W84 27 29	
(Wind Turbines) Hanmer	1300	350	N46 40 03	W80 55 24	
1.2NE Hanmer	1317	345	N46 41 02	W80 57 31	
2.0NNW Cartier	1732	345	N46 41 55	W81 33 32	
0.5S Longpoint Lake	2087	200	N47 36 14	W80 30 40	
4.2SE Pardee	1354	328	N48 05 31	W89 29 35	
4.4SE Thunder Bay	1228	328	N48 13 33	W89 27 45	
11.0SW Porcupine	1249	300	N48 30 09	W81 08 24	
1.9ENE Roquemaure	1334	359	N48 31 08	W79 45 09	
20.0WSW Thunder Bay	2311	711	N48 31 30	W89 06 50	
4.0NE					
Matheson 1.2W	1250	345	N48 31 58	W80 29 56	
Shillington 11.0W	1538	600	N48 32 50	W80 57 09	
Crozier 1.0NW	1512	328	N48 37 25	W93 32 20	
Fort Frances 11.7NW	1747	547	N48 38 22	W93 43 14	

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C79

	ONTARIO - SIGNIFICANT OBSTRUCTIONS (Cont'd)				
	LOCATION Timmins 9.6N	ELEV ASL 1273	HGT AGL 323	<b>(N)LAT</b> N48 39 04	<b>(W)LONG</b> W81 19 53
	Burris 0.1NW	1526	328	N48 40 48	W93 40 26
	Pinewood 0.8NW	1476	328	N48 43 10	W94 19 13
l	Pearl 7.3NNW	1905	263	N48 46 08	W88 46 01
•	Caliper Lake 15.3S	1917	597	N48 48 18	W93 53 24
	Pearl 11.0NW	1833	263	N48 48 46	W88 49 11
•	Rath Adj SE	1978	328	N48 49 03	W89 55 18
	Dearlock 0.25NNW	1510	329	N48 50 39	W94 05 49
	Bergland 0.6SE	1411	328	N48 56 32	W94 22 49
	Morson 1.2NE	1378	328	N49 06 24	W94 18 21
	Keewatin 5.0S	1374	200	N49 40 21	W94 33 29
	Longbow Lake 1.0NNW	1565	320	N49 44 29	W94 20 52
	Dryden City Adj W	1600	365	N49 46 57	W92 50 44
	Vermillion Bay 2.0WSW	1855	415	N49 50 36	W93 26 35
	Ena Lake 4.8SSE	1300	200	N49 53 58	W94 29 44
	Richan 1.5W.	1995	504	N49 59 58	W92 51 31
	Perrault Falls 1.9SW	1674	351	N50 19 15	W93 10 31
	Ear Falls Adj	1585	351	N50 38 28	W93 13 55
	Starratt Olsen 5.8ESE	1743	351	N50 53 48	W93 47 42
	Red lake 2.1SE	1655	352	N50 59 28	W93 47 10
	Pikangikum 13.4ESE	1430	280	N51 43 19	W93 39 07
	Big Trout Lake 1.4WSW	889	115	N53 48 55	W89 54 46
	Fort Severn 0.7NE	270	250	N55 59 56	W87 37 06



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C80 PLANNING

### **QUEBEC**

### QUEBEC - AIR NAVIGATION RADIO AIDS

Baie-Comeau NDB ident "BC" freq 414 at N49 07 04 W68 19 34 decommissioned.

Bromont NDB ident "6R" freq 343 at N45 14 27 W72 47 47 changed to "ZBM".

Donaldson VOR/DME ident "X7" freq 114.5 Ch 92 at N61 39 38 W73 19 02 commissioned.

Donaldson NDB ident "5L" freq 233 at N61 39 46 W73 19 01 decommissioned.

Fontanges DME ident "I5Q" freq 109.5 at N54 33 25 W71 09 33 decommissioned.

Grindstone (Iles-de-la-Madeleine) VOR/DME ident "YGR" freg 112.0 var changed to "20°W".

Heath Point NDB ident "HP" freq 335 at N49 05 06 W61 42 02 decommissioned.

Lac Eon NDB ident "YEO" freq 227 at N51 51 18 W63 16 25 decommissioned.

Laforge-1 NDB ident "5X" freg 227 at N54 06 29 W72 31 21 decommissioned.

Laforge-1 DME ident "I5X" freq 111.1 Ch 48 at N54 06 06 W72 32 31 decommissioned.

La Grande-3 DME ident "IP7" freq 110.3 Ch 40 at N53 34 13 W76 11 20 decommissioned.

La Grande-4 DME ident "IQ7" freq 110.9 Ch 46 at N53 45 21 W73 40 49 decommissioned.

Lebel-sur-Quevillon NDB ident "2H" freq 261 at N49 02 14 W77 01 15 commissioned.

Mars (Bagotville) NDB ident "URX" freq 269 at N48 00 54 W70 49 08 decommissioned.

Monic, Montreal Intl (Mirabel) NDB ident "ZMB" freq 224 at N45 39 29 W73 58 02 decommissioned.

Monoghan NDB ident "ZZV" freq 354 at N50 12 44 W66 18 01 decommissioned.

Natash VOR/DME ident "YNA" freq 113.6 at N50 11 01 W61 46 52 var changed to "21°W".

Natash NDB ident "NA" freg 385 (M) at N50 13 20 W61 50 30 decommissioned.

Nemiscau DME ident "IK8" freq 109.5 Ch 32 at N51 41 19 W76 08 20 decommissioned.

Pointe-des-Monts NDB ident "TG" freq 300 at N49 19 00 W67 22 50 decommissioned.

Povungnituk DME ident "YPX" freq 113.5 Ch 82 at N60 02 37 W77 16 46 commissioned.

Povungnituk NDB ident "YPX" and DME ident "YPX" renamed Puvirnituq.

St-Frederic NDB ident "T8" freq 257 at N46 19 59 W70 57 40 commissioned.

St-Honore NDB ident "YRC" freq 213 at N48 32 10 W71 09 32 commissioned.

Schefferville NDB ident "KL" freq 203 at N54 40 58 W66 51 44 decommissioned.

Sept-Iles VOR ident "YZV" freq 114.5 at N50 13 56 W66 16 36 var changed to "20°W"

Val-d'Or NDB ident "VO" freq 239 at N48 03 24 W77 47 36 decommissioned.

### **QUEBEC - AIRSPACE DESIGNATIONS**

A5 from Charlevoix NDB to Mars NDB to Bagotville NDB has been revoked.

A12 from Gaspe NDB to Charlottetown NDB has been revoked.

AR1 between Port Menier NDB and Mingan NDB has been revoked.

AR1 redesignated from Port Menier NDB to Havre St-Pierre NDB. AR1 between Mingan NDB and Lac Eon NDB has been revoked.

AR3 from Port-Menier NDB to Natash NDB to Lourdes-de-Blanc-Sablon NDB has been revoked.

AR4 redesignated from Chiboo NDB to Nemiscau NDB to La Grande Riviere NDB.

AR10 from Roberval NDB to Chute-des-Passes NDB has been redesignated to AR11.

AR11 designated from Montreal VOR to Parent NDB to Roberval NDB.

AR11 redesignated from Wabush VOR to Kavpo intxn to Schefferville VOR.

AR11 redesignated from Schefferville VOR to Serni intxn to Kujack VOR.

AR11 from Saguenay VOR to Chute-des-Passes NDB has been redesignated to AR13.

AR12 from Saguenay VOR to Chiboo NDB has been revoked.

AR16 redesignated from Inukjuak NDB to Puvirnituq NDB to Akulivik NDB.

AR16-17 redesignated from Inukjuak NDB to Liben intxn to Puvirnituq NDB.

AR17 redesignated from Inukjuak NDB to Puvirnituq NDB to Kangiqsujuaq NDB to Kimmirut NDB.

AR17 designated from Val-d'Or VOR to Parent NDB to La Tuque NDB.

AR17 obd brg from Parent NDB to Val-d'Or VOR realigned to 295°.

AR17 from Val-d'Or NDB to Nabog intxn to Matagami NDB revoked.

AR17 designated from Val-d'Or VOR to Nabog intxn to Matagami NDB.

AR23 from Sept-Iles NDB to Lac Eon NDB to Goose NDB has been revoked.

AR24 between Wabush NDB and Lac Eon NDB has been revoked.

AR24 designated from Moosonee NDB to Waskaganish NDB to Nemiscau NDB.

AR36 designated from Rouyn NDB to Waskaganish NDB.

AR39 redesignated from Kujack NDB to Iknal intxn to Kangigsualujjuag NDB.

AR41 designated from Sanikiluaq NDB to Umiujaq NDB.

AR42 designated from Fontages NDB to LG-4 NDB.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

### QUEBEC - AIRSPACE DESIGNATIONS (Cont'd)

AR43 designated from Puvirnituq NDB to Kangirsuk NDB.

B7 designated from Lorka intxn to Maniwaki NDB.

B7 redesignated from Maniwaki NDB to Rezin intxn to Ebdog intxn to Rouyn NDB.

B14 from Forestville NDB to Mont-Joli NDB has been revoked.

B16 from Grindstone NDB to Moncton NDB revoked.

B19 from Grindstone NDB to Gaspe NDB to Sept-Iles NDB has been revoked.

B19 from Sept-Iles NDB to Gaspe NDB has been revoked.

B19 from Grindstone NDB to Gaspe NDB revoked.

B19 from Sept-Iles NDB to Wabush NDB revoked

B24 from Maniwaki NDB to Val d'Or NDB has been revoked.

BR1 from Gaspe NDB to Heath Point NDB to Chevery NDB has been revoked.

BR8 from Gaspe NDB to Natash NDB has been revoked.

BR14 designated between Parent NDB and Chiboo NDB.

BR15 from Lourdes-de-Blanc-Sablon NDB to Grindstone NDB has been revoked.

BR18 redesignated from Matagami NDB to Nemiscau NDB to au LG-4 NDB.

BR20 from Schefferville NDB to Wabush NDB revoked

BR20 from NDB Schefferville NDB to Kujack NDB has been revoked.

BR25 designated between Rimouski NDB and Charlo NDB.

BR26 redesignated between Puvirnituq NDB and Salluit NDB.

G2 from Rouyn NDB to Munbi intxn to Val-d'Or NDB revoked.

GR7 designated from Salluit NDB to Kangiqsujuaq NDB to Quaqtaq NDB.

RR2 redesignated from Natash VOR to Vigso intxn to Satis intxn to Chevery NDB.

RR2 from Sept-Iles NDB to Mingan NDB to Natash NDB to Chevery NDB has been revoked.

RR2 redesignated from Sept-Iles VOR to Havre St-Pierre NDB to Natash VOR.

RR2 designated between Blanc Sablon NDB and St. Anthony NDB.

RR5 from Port-Menier NDB to Heath Point NDB to Deer Lake NDB has been revoked.

RR7 from Natash NDB to Lac Eon NDB to Churchill Falls NDB has been revoked.

RR7 from Natash NDB to Deer Lake NDB has been revoked.

RR9 between Heath Point NDB and Stephenville NDB has been revoked.

RR12 redesignated from La Grande Riviere NDB to LG-3 NDB to LG-4 NDB.

RR23 from Chiboo NDB to Val-d'Or NDB revoked.

RR23 designated from Chiboo NDB to Val-d'Or VOR.

RR23 from NDB La Grande-4 to NDB Schefferville has been revoked.

RR23 redesignated from NDB La Grande-4 to NDB Squaw.

RR23 from NDB Churchill Falls to NDB Schefferville has been revoked.

RR23 redesignated from NDB Churchill Falls to NDB Squaw.

R1 from Riviere-du-Loup NDB to Mont-Joli NDB to Aduim intxn to Sept-Iles NDB has been revoked.

R1 from Eric NDB to Wabush NDB revoked

R1 from Quebec NDB to Riviere-du-Loup NDB redesignated to R9.

R8 from Quebec NDB to Champlain NDB has been revoked.

R8 from Trois-Rivieres NDB to Quebec NDB has been revoked.

R15 from Charlottetown NDB to Grindstone NDB to Stephenville NDB has been revoked.

R17 designated from La Tuque NDB to Alma NDB.

R17 from La Tuque NDB to Mars NDB to Forestville NDB has been revoked.

R17 from Forestville NDB to Baie-Comeau NDB to Sept-Iles NDB has been revoked.

R22 from Charlevoix NDB to Champlain NDB has been revoked.

R25 redesignated between Matane NDB and Bubix intxn.

R26 from Charlevoix NDB to Forestville NDB to Obvan intxn has been revoked.

V3 redesignated from Montreal VOR to Igtul intxn to Catog intxn.

V39 redesignated from Mont-Joli VOR to Rogvu intxn to Baie-Comeau VOR.

V98 redesignated from Mont-Joli VOR to Bubix intxn to Sept-Îles VOR.

V145 from Ottawa VOR to Lorka intxn to Maniwaki NDB revoked.

V314 redesignated from Quebec VOR to Olavo intxn to La Tuque NDB.

V316 redesignated from Montreal VOR to Thibo intxn to Lokbu intxn to Sokye intxn.

V316 redesignated from Quebec VOR to Simto intxn to Mivax intxn to Riviere-du-Loup VOR. V316 redesignated from Riviere-du-Loup VOR to Duvag intxn to Ansar intxn to Baie-Comeau VOR.

V316 between Baie-Comeau VOR and Sept-Iles VOR has been renamed V316/360.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C82 PLANNING

### QUEBEC - AIRSPACE DESIGNATIONS (Cont'd)

V316 redesignated from Sept-Iles VOR to Shaik intxn to Norus intxn to Wabush VOR.

V322 redesignated from Montreal VOR to Maire intxn to Okopo intxn to Ombre intxn to Sherbrooke VOR.

V340 designated between Obvan intxn and Baie-Comeau VOR. Obvan intxn formed by a bearing of 281° from Baie-Comeau OR at 12 DME.

V341 from St-Jean VOR to Riviere-du-Loup VOR to Mont-Joli VOR has been revoked.

V341 designated from Charlevoix NDB and Mont-Joli VOR.

V346 redesignated from St-Jean VOR to Odlas intxn to Beauce VOR.

V352 designated from Maniwaki NDB to Sasid intxn to Lepen intxn to Montreal VOR

 $V352\ redesignated\ from\ Montreal\ VOR\ to\ Maire\ intxn\ to\ Okopo\ intxn\ to\ Ombre\ intxn\ to\ Beauce\ VOR.$ 

V360 redesignated from Ottawa VOR to Bivgo intxn to Mirabel VOR.

V360 between Rimouski NDB and Baie-Comeau VOR has been revoked.

V360 designated from Quebec VOR to Charlevoix NDB to Baie-Comeau VOR.

V360 redesignated from Sept-Iles VOR to Odkap intxn to Eric NDB.

V363 redesignated from Killaloe VOR/DME to ONDOB intxn to Ottawa VORTAC.

V363 redesignated from Mirabel VOR to Kepka intxn to Catog intxn to Beauce VOR.

V365 designated from Rouyn NDB to Munbi intxn to Val-d'Or VOR.

V372 designated from Val-d'Or VOR to Degmo intxn to Ovuni intxn to Rouyn NDB.

V382 redesignated from Montreal VOR to Kepka intxn to Saguenay VOR.

V386 designated from Saguenay VOR to Roberval NDB.

V400 from Saguenay VOR to Gadal intxn to Beauce VOR has been revoked.

V447 from Quebec VOR to Gadal intxn to Bagotville NDB has been revoked.

V447 redesignated from Can/USA bdry to Liand intxn to Sherbrooke VOR.

V447 redesignated from Sherbrooke VOR to Odlas intxn to Rogsa intxn to Quebec VOR.

V448 from Riviere-du-Loup VOR to Forestville NDB to Baie-Comeau VOR has been revoked.

V488 designated from Rimouski NDB to Oloka intxn to Baie-Comeau VOR. Oloka intxn formed by the centreline of V488 between Rimouski NDB and Baie-Comeau VOR and a bearing of 360° from Mont-Joli VOR.

Bagotville Class "D" CZ - 6000 ASL (5500′ AAE) N48 19 50 W70 59 45. The airspace within the area bounded by a line beginning at N48 26 00 W70 47 30; thence clockwise along a 10NM arc centred on the Bagotville, QC aerodrome to N48 27 15 W71 10 00; thence east along the north shore of the Saguenay River to the point of beginning.

Bagotville Military Terminal Control Area has been redesignated as follows:

Class A equivalent - 18,000 ASL to FL 600 inclusive

Class B equivalent - Above 12,500 ASL to below 18,000 ASL

Class E equivalent - At and below 12,500 ASL, unless otherwise specified

Class D equivalent airspace from 1200´ AGL up to and including 12,500´ ASL within the area bounded by a line beginning at N49 04 48 W70 56 50 to N48 49 46 W71 02 34 thence clockwise along the arc of a circle of 30 miles radius centred on the Bagotville, QC ARP to N48 06 32 W71 40 00 to N48 12 48 W72 06 20 thence clockwise along the arc of a circle of 45 miles radius centred on the Bagotville, QC ARP to the point of beginning.

Baie-Comeau Class "D" CZ has been redesignated to Class "E".

Gaspé Transition Area within a 15NM radius has been reinstated.

Gaspé Control Zone Class "E" within a 5NM radius has been reinstated.

La Grande Rivière Transition Area within a 15NM radius has been revoked.

La Grande Rivière Control Area Extension within a 25NM radius has been revoked.

La Grande Rivière Control Area Extension within a 60NM radius has been revoked.

La Grande Rivière Control Zone Class "E" within a 5NM radius has been revoked.

Matagami CZ is revoked.

Mont-Joli Control Area Extension has been redesignated as follows:

The airspace to below 6000' within the area bounded by a line beginning at N48 37 02.39 W067 34 51.97 thence clockwise along the arc of a circle of 25 miles radius centred on Mont-Joli, QC VOR to N48 36 12.71 W068 50 12.10 to N49 07 22.54 W068 51 22.79 to N49 11 25.00 W068 40 00.00 to N49 25 55.06 W068 40 00.00 thence clockwise along the arc of a circle of 25 miles radius centred on Baie-Comeau, QC VOR to N49 08 21.33 W067 35 15.78 to point of beginning

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C83

### QUEBEC - AIRSPACE DESIGNATIONS (Cont'd)

Montreal Intl (Mirabel) Terminal Control Area has been redesignated as follows:

Class C airspace 1300′ to below 2500′ has been redesignated within the area bounded by a line beginning at: N45°28′57.07 W074°01′29.52 thence clockwise along the arc of a circle of 12 miles radius centred on N45°40′55.20 W074°01′8.60 to N45°36′41.38 W074°16′19.00″ to N45°38′27.41 W074°09′39.13″ thence clockwise along the arc of a circle of 7 miles radius centred on N45°40′55.20″ W074°00′18.60″ to N45°46′24.39″ W074°06′30.80″ thence counter-clockwise along the arc of a circle of 2 miles radius centred on N45°46′49.00″ W074°03′43.00″ to N45°47′53.04″ W074°01′17″.98 thence clockwise along the arc of a circle of 7 miles radius centred on N45°40′55.20″ W074°00′18.60″ to N45°47′28.47″ W073°56′48.44″ to N45°52′09.30″ W073°54′17.82″ thence clockwise along the arc of a circle of 12 miles radius centred on N45°40′55.20″ W074°00′18.60″ to N45°40′02.95″ W073°43′14.48″ thence clockwise along the arc of a circle of 12 miles radius centred on N45°40′55.20″ w074°00′18.60″ to N45°40′02.95″ w073°43′14.48″ thence clockwise along the arc of a circle of 12 miles radius centred on N45°28′05.00″ W073°44′29.00″ to N45°28′57.07″ W074°01′29.52″ point of beginning.

Montréal Intl (Mirabel) Control Zone Class "D" has been redesignated to Class "E" as follows:

- a) The airspace to below  $1300^{\circ}(1000^{\circ} \text{ AAE})$  within the area bounded by a line beginning at: N45°47'53.04 W074°01'17.98 thence clockwise along the arc of a circle of 7 miles radius centred on N45°40'55.20 W074°00'18.60 to N45°46'24.39 W074°06'30.80 thence counter-clockwise along the arc of a circle of 2 miles radius centred on N45°46'49.00 W074°03'43.00 to N45°47'53.04 W074°01'17.98 point of beginning.
- b) The airspace from 1300' to 2000'(1700' AAE) within the area bounded by a line beginning at:

N45°47'53.04 W074°01'17.98 thence clockwise along the arc of a circle of 7 miles radius centred on N45°40'55.20 W074°00'18.60 to N45°43'55.16 W073°51'17.11 to N45°42'14.37 W073°54'29.62 to N45°41'25.81 W073°56'02.25 to N45°40'24.00 W073°57'15.00 to N45°34'05.87 W074°02'32.07 thence clockwise along the arc of a circle of 7 miles radius centred on N45°40'55.20 W074°00'18.60 to N45°46'24.39 W074°06'30.80 thence counter-clockwise along the arc of a circle of 2 miles radius centred on N45°46'49.00 W074°03'43.00 to N45°47'53.04 W074°01'17.98 point of beginning.

Ottawa Terminal Control Area has been redesignated as follows:

- (a) Class "D" airspace 1500' to 12,500' within the area bounded by a line beginning at Ottawa, ON VOR to N45 26 09.15 W075 42 29.14 thence clockwise along the arc of a circle of 7 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to N45 26 09.87 W075 37 54.52 to N45 30 39.00 W075 26 16.00 to N45 22 19.00 W075 20 26.00 to N45 15 10.49 W075 24 12.91 thence clockwise along the arc of a circle of 12 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to point of beginning excluding the airspace below 4000' within the area bounded by a circle of 3 miles radius centred on the Rockcliffe, ON ARP.
- (b) Class "D" airspace 2500' to 12,500' within the area bounded by a line beginning at Ottawa, ON VOR to N45 42 03.05 W075 29 06.88 thence clockwise along the arc of a circle of 24 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to N45 18 44.19 W076 14 08.49 to point of beginning excluding the airspace at and below 4000' within the area bounded by a circle of 4 miles radius centred on the following Pendleton, ON ARP.
- (c) Class "D" airspace 4000' to 12,500' within the area bounded by a line beginning at Ottawa, ON VOR to N45 18 44.19 W076 14 08.49 thence clockwise along the arc of a circle of 24 miles radius centred on Ottawa/Macdonald-Cartier Intl, ON ARP to N45 42 03.05 W075 29 06.88 to point of beginning.

Québec Terminal Control Area has been redesignated as follows:

Class B airspace above 12,500′ to below 18,000′ within the area bounded by a line beginning at N46 12 00.00 W071 30 00.00 to N46 31′00.00 W072 00′00.00 to N46 46 00.00 W072 08 00.00 to N47 39 30.00 W071 30 00.00 thence counter-clockwise along the arc of a circle of 45 miles radius centred on Bagotville, QC ARP to N47 35 30.00 W070 50 00.00 to N47 10 44.00 W070 15 00.00 to N46 45 06.00 W069 56 12.00 thence southwest along the Can/USA bdry to N46 21 30.00 W070 09 00.00 to point of beginning.

Québec Terminal Control Area has been redesignated as follows:

Class D airspace 3500° to 12,500° within the area bounded by a line beginning at N47 08 15 W71 03 02 thence clockwise along the arc of a circle of 25 miles radius centred on Québec/Jean Lesage Intl, QC ARP to N47 05 49 W71 48 39 to N46 54 19 W71 43 12 thence counter-clockwise along the arc of a circle of 15 miles radius centred on Québec/Jean Lesage Intl, QC ARP to N47 01 19 W71 14 40 to point of beginning.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C84 PLANNING

### QUEBEC - AIRSPACE DESIGNATIONS (Cont'd)

Québec Terminal Control Area has been redesignated as follows: (Cont'd)

Class D airspace 4500° to 12,500° within the area bounded by a line beginning at N47 05 49 W71 48 39 thence clockwise along the arc of a circle of 25 miles radius centred on Québec/Jean Lesage Intl, QC ARP to N47 08 15 W71 03 02 to N47 01 19 W71 14 40 thence counter-clockwise along the arc of a circle of 15 miles radius centred on Québec/Jean Lesage Intl, QC ARP to N46 54 19 W71 43 12 to point of beginning.

Sept-Îles Class "D" CZ has been redesignated to Class "E".

Sept-Îles Control Area Extension has been redesignated as follows:

The airspace to below  $6000^{\circ}$  within the area bounded by a circle of 25 miles radius centred on Sept-Iles, QC VOR.

Val-d'Or Class "D" CZ has been redesignated to Class "E".

### QUEBEC - DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000') or (5000' to below 10,000').

CYA601(F) Montréal has been revoked.

CYA621(H) Mont Yamaska redesignated as follows: The airspace within the area bounded by a circle of 3 miles radius centred on N45°27'20.00 "W072°52'00.00".

Designated Altitude - Surface to 7000'

Time of Designation - Cont daylight 1 May - 31 Oct O/T by NOTAM

CYA627(S) St-Dominique, QC - A soaring area bounded by a line beginning at N45 31 00 W72 54 52 to N45 34 20 W72 56 10 to N45 39 00 W72 56 30 to N45 39 48 W72 52 24 to N45 38 32 W72 51 22 to N45 38 48 W72 43 06 to N45 36 18 W72 46 46 to N45 33 00 W72 49 28 to N45 31 00 W72 52 10 to the point of beginning.

Designated Altitude - Surface to 3000 ASL

Time of Designation - Cont daylight

CYA663(M) Bagotville, QC designated as follows: The airspace within the area bounded by a line beginning at N49 17 00.00 W073 15 00.00 to N49 35 00.00 W073 44 30.00 to N50 04 00.00 W073 44 30.00 to N50 13 00.00 W073 15 00.00 to point of beginning.

Designated Altitude - 18,000' to FL 600

Time of Designation - Ocsl by NOTAM

CYA702(M), CYA703(M), CYA707(M) and CYA708(M) Goose Bay have been revoked.

CYA731(M) Goose Bay - A military operation area bounded by a line beginning at N53 03 35 W59 51 02 to N52 52 00 W59 45 00 to N52 40 00 W59 30 00 to N51 20 00 W59 30 00 to N50 50 00 W60 00 00 to N50 50 00 W62 05 00 to N51 25 00 W64 00 00 to N52 47 00 W64 00 00 to N53 42 00 W64 55 00 to N54 25 00 W65 20 00 to N55 05 00 W65 05 00 to N55 25 00 W63 45 00 to N55 00 00 W62 30 00 to N54 49 43 W61 00 00 to N53 40 00 W61 00 00 to N53 38 00 W60 51 30; thence counter-clockwise along the arc of a 25NM circle centred on the Goose NDB to the point of beginning, excluding:

- the area within a 10 mile radius centred on the town of Churchill Falls at N53 32 00 W64 01 00;
   and
- (b) CYR 726 and CYR 727.

Designated Altitude - Surface to 5000 ASL

Time of Designation - Cont Mar 1 to Nov 30, O/T by NOTAM

CYA732(M) Goose Bay redesignated as follows: A military operation area bounded by a line beginning at N53 31 20 W61 26 12 to N53 45 00 W62 43 00 to N53 50 00 W64 20 00 to N53 42 00 W64 55 00 to N54 25 00 W65 20 00 to N55 05 00 W65 05 00 to N55 25 00 W63 45 00 to N55 00 00 W62 30 00 to N54 48 30 W60 50 00 to N53 59 19 W60 35 57; thence counter-clockwise along the arc of a 40NM circle centred on the Goose NDB to the point of beginning.

Designated Altitude - Above 5000 ASL to FL280 Ocsl FL600 by NOTAM

Time of Designation - Daily except Sun 11-0430Z‡ Mar 1-Nov 30

#### QUEBEC - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYA733(M) Goose Bay redesignated as follows: A military operation area bounded by a line beginning at N52 42 10 W60 02 07 to N51 54 00 W59 30 00 to N51 20 00 W59 30 00 to N50 50 00 W60 00 00 to N50 50 00 W62 05 00 to N51 22 26 W63 51 11 to N52 48 12 W61 01 29; thence counter-clockwise along the arc of a 40NM circle centred on the Goose NDB to the point of beginning, excluding CYR727 and CYR750.

Designated Altitude - Above 5000 ASL to FL 280 Ocsl FL600 by NOTAM

Time of Designation - Daily except Sun 11-0430Z‡ Mar 1-Nov 30

CYR601 Mirabel - The airspace within the area bounded by a line beginning at:

N45°34'05.87 W074°02'32.07 to N45°40'24.00 W073°57'15.00 to N45°41'25.81 W073°56'02.25 to N45°42'14.37 W073°54'29.62 to N45°41'17.53 W073°53'13.74 to N45°41'26.47 W073°50'21.16 thence clockwise along the arc of a circle of 7 miles radius centred on N45°40'55.20 W074°00'18.60 to N45°34'05.87 W074°02'32.07 point of beginning

Designated Altitude - Surface to below 1300'

Time of Designation - Cont daylight

CYR602 Valcartier - The airspace within the area bounded by a line beginning at:

N47 13 00.00 W071 55 00.00 to N47 13 00.00 W071 25 30.00 to N47 00 00.00 W071 25 00.00 to N47 00 00.00 W071 55 00.00 to point of beginning.

Excluding the area within CYR603.

Designated Altitude - 7,000' to 17,000'

Time of Designation - Ocsl by NOTAM

CYR605(M) Farnham - The airspace within the area bounded by a line beginning at:

N45 17 15.05 W072 59 34.29 to N45 17 55.50 W072 59 56.99 to N45 18 07.70 W072 59 34.10 to N45 19 15.00 W072 59 39.20 to N45 19 39.10 W72 59 25.16 to N45 20 30.05 W72 59 20.51 to N45 20 33.28 W73 00 05.75 to N45 20 15.19 W73 00 36.85 to N45 19 50.12 W73 00 39.43 to N45 19 34.67 W73 02 57.23 to N45 18 41.58 W73 02 54.46 to N45 17 23.03 W73 01 00.09 to

N45 17 14.74 W73 00 02.99 to N45 17 15.05 W72 59 34.29 to point of beginning.

Designated Altitude – Surface to 1200' Ocsl Surface to 3500' by NOTAM

Time of Designation - Cont

CYR605(M) Farnham redesignated to CYR605 Farnham

CYR607 Bagotville redesignated as follows: The area bounded by a line beginning at N48 37 00 W70 14 00 a point on the 35NM arc centred on the Bagotville aerodrome; thence counter-clockwise along said arc to N48 54 55 W71 04 00 to N49 50 00 W71 07 30 to N50 43 00 W69 30 00 to N50 43 00 W68 40 00 to N49 11 25 W68 40 00 to the point of beginning

Designated Altitude - 6000 to below 18,000 ASL

Time of Designation - 11-23Z‡ Mon-Fri, 13-21Z‡ Sat-Sun and hols, O/T by NOTAM

CYR624 Ste-Thérèse redesignated as follows: The airspace within the area bounded by a line beginning at: N45°42'14.37 W073°54'29.62 to N45°43'55.16 W073°51'17.11 to N45°44'00.00 W073°50'35.00 to N45°44'00.00 W073°49'28.00 to N45°45'00.00 W073°45'15.00 to N45°44'00.00 W073°45'15.00 to N45°42'46.00 W073°44'25.00 to N45°42'30.79 W073°50'35.13 thence clockwise along the arc of a circle of 7 miles radius centred on N45°40'55.20 W074°00'18.60 to N45°41'26.47 W073°50'21.16 to N45°41'17.53 W073°53'13.74 to N45°42'14.37 W073°54'29.62 point of beginning

Designated Altitude - Surface to below1300'

Time of Designation - Cont daylight

CYR625 Joliette - The area is described as a circle with a radius of 0.5NM centred on N46 01 56 W73 24 54.

Designated Altitude - Surface to 725 ASL

Time of Designation - Cont

CYR626 Chute Montmorency - The area is described as a circle with a radius of 0.25NM centred on N46 53 14 W71 08 48.

Designated Altitude - Surface to 600 ASL

Time of Designation – Cont

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C86 PLANNING

### QUEBEC - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYR628 Chibougamau/Chapais West (Near Chapais) - The airspace within the area bounded by a line beginning at N49 30 40.00 W075 19 30.00 to N49 35 40.00 W075 23 20.00 to N49 43 07.20 W075 00 00.00 to N49 39 18.36 W075 00 00.00 to N49 31 38.76 W075 16 19.76 to point of beginning.

Designated Altitude - Surface to 17,000' Ocsl higher by NOTAM

Time of Designation - Ocsl by NOTAM 7 days PNR

CYR629 Chibougamau/Chapais East (Near Chapais) - The airspace within the area bounded by a line beginning at N49 45 20.00 W074 53 00.00 to N49 40 00.00 W074 49 00.00 to N49 31 38.76 W075 16 19.76 to N49 39 18.36 W075 00 00.00 to N49 43 07.20 W075 00 00.00 to point of beginning.

Designated Altitude - Surface to 17,000' Ocsl higher by NOTAM

Time of Designation - Ocsl by NOTAM 7 days PNR12

CYR726 Goose Bay redesignated as follows: The area is described as a circle with a radius of 30NM centred on N52 17 23 W60 57 14, excluding CYR727.

Time of Designation - Cont 04Z‡ Mar 1 to 04Z‡ Nov 30, O/T by NOTAM

CYR727 Goose Bay redesignated as follows: The area is described as a circle with a radius of 10NM centred on N52 17 23 W60 57 14.

Designated Altitude - Surface to 12,500 ASL

#### QUEBEC - BLASTING OPERATIONS

The following is a list of locations where road construction, open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA	SITE	COORDINATES
Mont Wright	20.0 NM WSW of Wabush A/D	N52 44 W67 21
	6 NM radius	to 8000 ASL
Phillipsburg	12.0NM S of Farnham A/D	N45 04 34 W73 02 49

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C87

### QUEBEC - LOWER NORTH SHORE ATF CORRIDOR (FREQUENCY 123.5) SEPT-ÎLES/LOURDES-DE-BLANC-SABLON (See maps)

The ATF corridor extends from the surface to 12,500 ASL inclusively, outside Havre St-Pierre, Natashquan and Lourdes-de-Blanc-Sablon MF zones (15NM radius, 3000′ AAE).

### Delimitation:

The area outside controlled airspace bordered, in part, by Sept-Îles CZ and an arc located at 15NM centred on airport and included between R132 and R090 from YZV VOR. Then northerly by a tangent from a point located on R090 from YZV VOR at 15NM from Sept-Îles airport and linking the arcs of circles of 15NM centred on Havre St-Pierre, Natashquan, Chevery, St-Augustin and Lourdes-de-Blanc-Sablon airports, including an area formed by a line from the point of contact of the 15NM arc of Natashquan airport to YIF NDB and the northern limit already described and excluding CYA733(M), then southerly by a tangent from BX NDB and linking the arcs of 15NM centred on Chevery and Natashquan airports then along a line from a point of contact of the MF zone toward the PN NDB then clockwise to a point located on R132 from YZV VOR at 15NM from Sept-Îles airport.

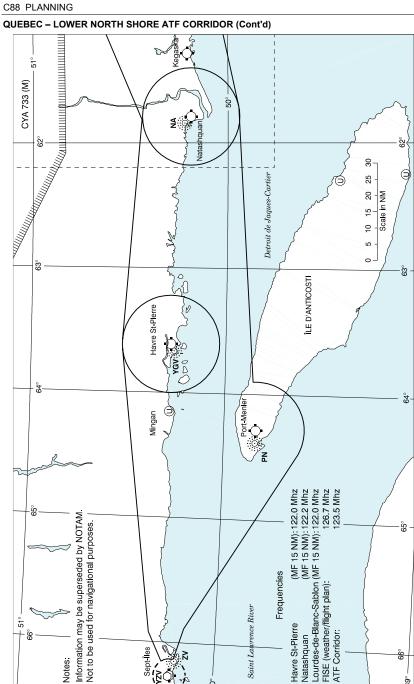
### Exceptions:

The corridor extends to but not including 7000 ASL within a radius of 15NM centred on Lourdes-de-Blanc-Sablon airport as well as in the sector formed by a tangent linking the 15NM arcs of Lourdes-de-Blanc-Sablon and St-Augustin airports and the tangent from a 15NM arc of St-Augustin airport to BX NDB, excluding Lourdes-de-Blanc-Sablon MF zone.

#### Procedures:

Pilots are reminded to follow the ATF procedures described in RAC 4.5.5, 4.5.6 and 4.5.7 of the TC AIM.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009



°05

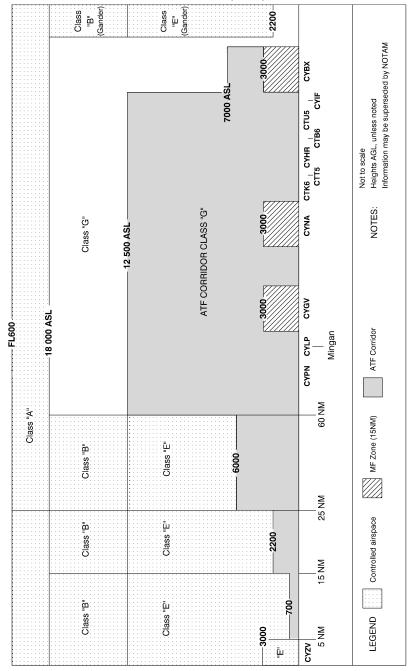
<sub>°</sub>64

## QUEBEC - LOWER NORTH SHORE ATF CORRIDOR (Cont'd) 20° Blanc-Sablon à X From ground to 7000 ASL exclusively 28° ၉ 28° Gulf of Saint Lawrence 22 20 Scale In NM EXCEPTION 5-्रे La Tabatière १९ ८१ 9 . 26 .g. Assistant Chevery YHR Information may be superseded by NOTAM. Not to be used for navigational purposes. . 09 Notes: CYA 733 (M) 910 Natashquan ( <sub>6</sub>5° . 65 51°

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C90 PLANNING





Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C91

**OPERATING TIMES** 

### QUEBEC - CONSERVATION

In the interest of conserving wildlife, pilots of aircraft should avoid flight below 2000 AGL over bird nesting areas and over herds of wild animals. Several such areas to be avoided are listed below.

Fur farm display watch tower or 20' high pylons painted chrome yellow and black; with a red flag flying from a low mast during the months of February, March, April and May they should also be avoided below 2000 AGL.

James Bay Wild Fowl

(Coastline North to Cape Jones) May-Oct inclusive

St. Lawrence River

NAME

(Lower end of Orleans Island) Spring and Autumn

St-Ferréol-les-Neiges Fur Farm (N47 11 48 W70 49 28, 5NNE of town) Mar-Aug

### HAZARDS TO AIRCRAFT OPERATIONS

### Hang Gliding and Soaring Areas

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in VFR weather conditions. Winch launches by cables up to 2,000 AGL.

Breckenridge (Hang-gliding) Bromont (Soaring) Mont-St-Pierre (Hang-gliding)	N45 30 05 W75 54 57 At A/D N49 13 28 W65 47 18	All year Mid-May to Nov All year, peak period
		June-Sep
Trois-Rivières (Soaring)	3NM around A/D	Daily Sat, Sun & hols,
	up to 3000 ASL	mid-Apr to mid-Jun &
		mid-Aug to end of Oct
St-Jean (Soaring)	From A/D to 3NM S	Daily from mid-Apr to
		mid-Aug and
		weekends Sep-Nov

**POSITION** 

### **Parachuting Areas**

Pilots are cautioned to either avoid the following areas when parachuting is in progress or to exercise extreme caution when flying in areas where parachutists might be encountered.

Amos Muni – Parajumps N48 34 W78 15 over A/D, max alt 10,000 ASL, (DT 11-02Z)

daily May-Sept.

Chicoutimi/St-Honoré – Parajumps over A/D, max alt 12,500 ASL, daily.

Joliette – Parajumps over A/D, max alt 12,500 ASL, 13-01Z‡ Jan 14-Apr 30 &

Oct 15-Dec 31.

Parajumps N48 29 W68 30 over A/D, max alt 9,000 ASL, 11-01Z‡ Apr-

Oct.

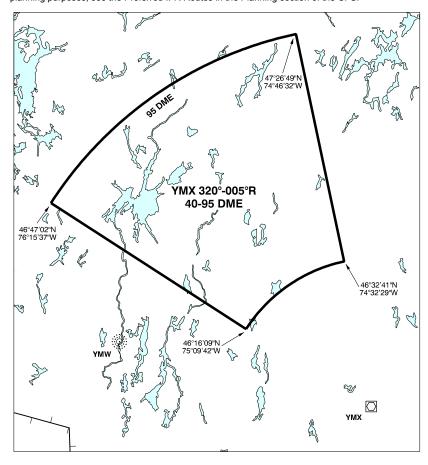


Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C92 PLANNING

## QUEBEC – HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) MONTREAL IFR TRAINING AREA

The airspace within the following area: between the YMX  $320^{\circ}R$  and the  $005^{\circ}R$ , from 40 to 95 DME, 8,000 ASL to unlimited. The rules for the applicable surrounding airspace apply at all times. For flight planning purposes, see the Preferred IFR Routes in the Planning section of the CFS.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C93

### QUEBEC - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) RESTRICTED AIRSPACE, CHIBOUGAMAU, QC

Two new restricted airspace (CYR628 and CYR629) (see sketch) have been established to accommodate ballistic tests of large calibre ammunition by SNC Technologies (SNC TEC) company, from the surface to 17,000 ASL, and occasionally higher. Together, these restricted airspace cover a rectangular area of 5.4NM by 21.6NM, southwest of Chibougamau, QC (CYMT), between the low-level air routes RR23 and BR14, and east of 75°30°W.

The area covered by CYR628 will not affect operations along surrounding air routes or instrument approach and departure procedures at Chibougamau/Chapais airport. This area will be active two or three times per month for three or four days each time.

The area covered by CYR629 will affect departures, NDB/DME Runway 05 at Chibougamau/Chapais airport, RR23 between MT and YVO and BR14 between MT and NM air routes as well as J545-551 airway between MT and YVO when activated above 17,000 ASL. This area will be active infrequently on the odd occasion

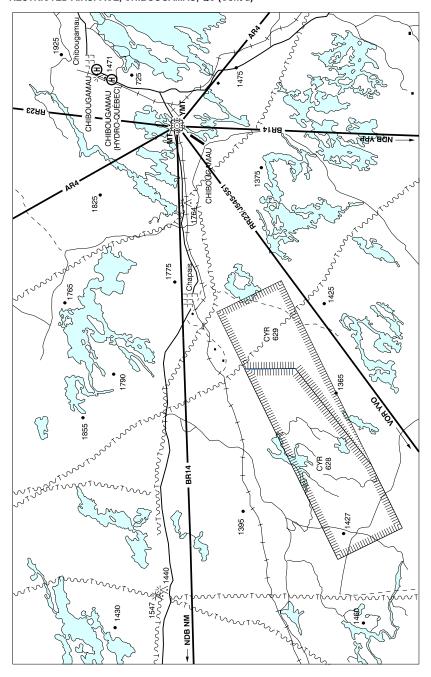
These areas will be activated by NOTAM which will be issued under the Montréal Flight Information Region (FIR) NOTAM file (CZUL), 7 days prior.

User/Controlling Agency: SNC Technologies Inc. General Manager 819-293-3003 or 819-293-3000. Operating Procedures: No person shall operate an aircraft within the areas described unless authorized by the User/Controlling Agency.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C94 PLANNING

# QUEBEC - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) RESTRICTED AIRSPACE, CHIBOUGAMAU, QC (Cont'd)



### **QUEBEC - SIGNIFICANT OBSTRUCTIONS**

The following known obstructions 300′ or higher, and significant obstructions less than 300′ for a VNC Chart and known obstructions 500′ or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

QUEBEC - SIGNIFICANT OBSTRUCTIONS				
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
Sutton	1427	361	N45 07 37	W72 38 57
1.8WNW				
Henryville	469	344	N45 07 47	W73 11 28
Adj S				
Mercier	464	300	N45 17 05	W73 42 25
2.0SE				
Farnham	467	300	N45 19 36	W73 02 44
3.2NW				
Bonsecours	1517	300	N45 23 33	W72 15 11
3.2E				
St-Césaire	459	295	N45 23 44	W73 02 30
1.0WSW				
Ascot Corner	1181	315	N45 26 49	W71 47 26
1.0WSW				
Roxton Pond	762	302	N45 28 42	W72 38 23
0.9ENE	040	405	NI45 00 45	14/70 40 00
St-Laurent	213	105	N45 29 45	W73 43 20
Town	889	205	N45 31 25	W/70 20 E7
Roxton Falls 2.9S	009	295	N45 31 25	W72 30 57
2.95 St-Valérien-de-Milton	660	296	N45 32 07	W72 41 39
2.0SSE	000	290	1145 52 07	VV72 41 39
Z.033E Montréal	728	630	N45 33 34	W73 33 09
Adj City	720	030	1145 55 54	VV73 33 09
Asbestos	1166	300	N45 46 41	W71 54 22
1.5E		000		0
L'Avenir	765	345	N45 47 37	W72 22 45
3.9WNW				
Campbell's Bay	1238	313	N45 48 49	W76 36 32
5.0 N				
St-Roch-de-l'Achigan	468	300	N45 51 53	W73 34 23
0.7NE				
Otter Lake	1608	302	N45 55 00	W76 26 22
4.6N				
Chapeau	1002	427	N45 55 24	W77 04 19
1.0NNE				
Lac-des-Seize-îles	1975	302	N45 55 42	W74 26 15
1.4NE				
Coleraine	1699	354	N45 58 19	W71 20 44
1.0NE				
Ste-Julienne	756	300	N45 59 05	W73 43 12
1.4NNW				
Ste-Marguerite	1670	279	N46 01 22	W74 04 02
1.5SE				
Linière	1483	394	N46 01 44	W70 32 00
2.0SW				

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C96 PLANNING

QUEBEC - SIGNIFICANT OBSTRUCTIONS (Cont'd)  LOCATION ELEV ASL HGT AGL (N)LAT (W)LONG						
Joliette	512	253	N46 03 46	W73 30 18		
1.6NW	0.2	200	1110 00 10	***************************************		
Duhamel	1577	302	N46 04 00	W75 07 09		
3.1NNW St-Théodore	1559	361	N46 07 01	W73 56 28		
3.5NW Princeville	759	300	N46 09 51	W71 55 30		
2.0W	4400					
St-Côme 6.7SSE	1460	295	N46 10 14	W73 42 22		
Annaville 1.9SE	517	299	N46 11 15	W72 24 16		
Nicolet	426	328	N46 14 17	W72 33 20		
2.4ENE St. Côme	1972	443	N46 14 49	W73 48 20		
1.9SSW Notre-Dame-de Pontmain 0.7S	1929	302	N46 15 41	W75 38 07		
St-Jacques-de-Leeds 1.5SE	1984	344	N46 16 08	W71 18 20		
Labelle	1585	342	N46 16 23	W74 45 36		
1.2WSW La Macaza 3.0NW	1242	322	N46 22 42	W74 50 16		
Fortierville 1.2SE	552	300	N46 28 22	W72 01 01		
St-Alexis-des-Monts 3.2NE	1533	296	N46 29 27	W73 12 13		
Shawinigan-Sud 4.2ESE	1634	1060	N46 29 33	W72 39 06		
Shawinigan-Sud 4.4ESE	1355	755	N46 30 10	W72 38 13		
Scott 2.0NNW	860	312	N46 31 42	W71 04 58		
St-Damien-de-Buckland 1.4N	1608	299	N46 38 41	W70 39 54		
Charny	550	330	N46 41 15	W71 18 28		
0.7WSW Lévis	484	300	N46 45 20	W71 12 06		
0.3S Ste-Brigitte	1198	300	N46 58 56	W71 12 18		
1.05 Mare du Sault	3155	300	N47 15 27	W71 12 52		
9.0S Lac De L'Ést	2288	328	N47 18 29	W69 32 50		
4.8NNE Fugèreville	1355	302	N47 24 17	W79 07 54		
2.8E Cabano	1050	341	N47 40 19	W68 53 49		
Adj WSW Baie-des-Rochers	1089	305	N47 59 09	W69 50 02		

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

TRUCTIONS (Co	•		
			(W)LONG
704	299	N48 08 24	W64 59 04
1027	299	N48 08 53	W65 47 37
1588	302	N48 11 09	W79 15 00
1525	525	N48 15 05	W79 01 07
440=			14/=0 44 00
1185	328	N48 18 17	W70 41 06
050	474	N40 00 40	14/70 50 50
650	1/1	N48 20 16	W70 58 50
000	200	NI40 04 00	W74 00 0E
999	300	N48 21 23	W71 20 05
1050	200	NI40 00 04	WC0 00 40
1050	300	N48 22 21	W68 36 16
4050	200	NI40 04 46	W/70 05 40
1053	300	N48 24 49	W72 05 19
0.40	550	N40 05 00	14/74 00 00
940	550	N48 25 29	W71 06 30
4550	000	NI40 05 44	14/70 07 47
1556	300	N48 25 44	W78 07 47
			14/24 05 42
744	298	N48 27 11	W71 05 17
=10			14/=4 40 40
/18	300	N48 32 41	W71 18 42
4450			14/70 00 40
1152	402	N48 34 42	W72 29 48
3548	566	N48 36 04	W70 49 44
1555	299	N48 39 11	W71 04 44
656	299	N48 40 00	W67 58 19
1047	394	N48 40 04	W67 53 32
664	300	N48 47 51	W72 02 13
401	299	N48 49 43	W68 54 37
391	299	N48 50 02	W67 31 39
709	302	N48 50 05	W72 30 33
503	299	N48 55 41	W68 42 57
3370	351	N48 56 15	W65 34 41
1388	299	N48 59 44	W64 25 47
1335	317	N49 00 15	W76 57 04
	ELEV ASL 704  1027  1588  1525  1185  650  999  1050  1053  940  1556  744  718  1152  3548  1555  656  1047  664  401  391  709  503  3370  1388	ELEV ASL 704         HGT AGL 299           1027         299           1588         302           1525         525           1185         328           650         171           999         300           1050         300           1053         300           940         550           1556         300           744         298           718         300           1152         402           3548         566           1555         299           656         299           1047         394           664         300           401         299           391         299           709         302           503         299           3370         351           1388         299	ELEV ASL 704         HGT AGL 299         (N)LAT N48 08 24           1027         299         N48 08 53           1588         302         N48 11 09           1525         525         N48 15 05           1185         328         N48 18 17           650         171         N48 20 16           999         300         N48 21 23           1050         300         N48 22 21           1053         300         N48 25 29           1556         300         N48 25 29           1556         300         N48 25 44           744         298         N48 27 11           718         300         N48 32 41           1152         402         N48 34 42           3548         566         N48 36 04           1555         299         N48 39 11           656         299         N48 40 00           1047         394         N48 40 04           664         300         N48 47 51           401         299         N48 50 02           709         302         N48 50 05           503         299         N48 56 15           1388         299         N48 59 4



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C98 PLANNING

QUEBEC - SIGNIFICANT OBSTRUCTIONS (Cont'd)							
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG			
Cap-au-Renard	2536	536	N49 06 07	W66 17 14			
5.8SSW							
Anse-Ste-Anne-des-Monts	832	299	N49 06 28	W66 29 10			
0.9SSE							
Islets-Caribou	394	299	N49 30 27	W67 14 00			
1.1N							
Matagami	1766	236	N49 48 05	W77 31 33			
5.0NE							
Magpie	438	405	N50 16 52	W64 37 39			
5.0WSW							
Rivière Pigou	850	500	N50 17 15	W65 31 46			
1.0NE							
Fermont	2666	305	N52 20 16	W67 18 14			
28.8SSW							
La Grande	1210	660	N53 47 05	W77 36 47			
0.7S							
La Grande-4	1917	435	N53 50 02	W73 30 53			
7.4NE of A/D							
Akulivik	439	164	N60 50 03	W78 10 06			
1.7NNE							

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

### **MARITIME PROVINCES**

## MARITIME PROVINCES - AIR NAVIGATION RADIO AIDS

Bathurst NDB ident "2F" freq 382 at N47 35 37 W65 50 41 decommissioned.

Cavendish NDB ident "ZYG" freq 400 at N46 20 59 W63 06 44 decommissioned

Chatham NDB ident "F9" and DME ident "F9" renamed Miramichi.

Charlottetown NDB ident "YG" freq 347 at N46 11 32 W63 08 54 decommissioned

Debert NDB ident "8F" freq 239 at N45 25 19 W63 27 35 decommissioned.

Florenceville NDB ident "21" freq 359 at N46 23 11 W67 36 20 decommissioned.

Greenwood TACAN ident "UZX" freq 117.6 at N44 59 00 W64 55 11 commissioned.

Port Hawkesbury DME ident "PPD" freq 111.25 at N45 39 23 W61 21 19 decommissioned.

Shearwater NDB ident "H1" freq 353 at N44 36 08 W63 26 50 decommissioned.

Sydney NDB ident "ZYD" freq 201 at N46 13 46 W60 03 52 decommissioned.

Sydney NDB ident "ZQY" freq 219 at N46 06 23 W60 07 51 decommissioned.

Sydney ILS ident "INO" freq 109.5 decommissioned.

Yarmouth VOR/DME ident "YQI" at N43 49 30 W66 04 57 var changed to "19°W"

### MARITIME PROVINCES - AIRSPACE DESIGNATIONS

AR11 redesignated from Wabush VOR to Kavpo intxn to Schefferville VOR.

A12 from Gaspe NDB to Charlottetown NDB has been revoked.

B16 from Grindstone NDB to Moncton NDB revoked.

G1 from Sydney NDB to Channel Head NDB to Stephenville NDB has been revoked.

G1 from Moncton NDB to Charlottetown NDB to Sydney NDB has been revoked.

G1 from Sydney NDB to Stephenville NDB to Gander NDB has been redesignated to G4.

R3 from Port Hawkesbury NDB to Sydney NDB has been revoked.

R11 from Charlottetown NDB to Gander NDB has been revoked.

R11 from Greenwood NDB to Saint John NDB revoked.

R13 redesignated from Sydney NDB to Gander NDB.

R15 from Charlottetown NDB to Grindstone NDB to Stephenville NDB has been revoked.

V93 redesignated from Can/USA bdry to Fredericton VOR.

V300 redesignated from Can/USA bdry to Fredericton VOR.

V300 from Fredericton VOR to Frenn intxn to Moncton VOR has been relocated. Frenn intxn has been relocated to N45 56 00 W66 11 12.

V300 between Sydney VOR and Gander VOR has been revoked.

V310 redesignated from Fredericton VOR to Frenn intxn to Saint John VOR. Frenn intxn has been relocated to N45 56 00 W66 11 12.

V310 from Charlottetown VOR to Tajjo intxn to Channel Head NDB to Glemo intxn to Twelm intxn to Gander VOR has been revoked.

V312 redesignated from Yarmouth VOR to Hidig intxn to Halifax VOR to Igtas intxn to Copar intxn to Sydney VOR.

V313 redesignated from Halifax VOR to Moncton VOR.

V314 redesignated from Greenwood NDB to Cetty intxn to Halifax VOR.

V319 from Sydney VOR to Chanl intxn to Stephenville VOR to Glemo intxn to Torbay VOR has been revoked

V319 designated from Sydney VOR to Umeti intxn to Stephenville VOR to Torbay VOR.

Gagetown Class "D" CZ has been redesignated to Class "E".

A Class "B" and "E" Transition Area has been designated within a 15NM radius of the Moncton, NB aerodrome

Houlton Intl Class "B" CZ has been redesignated as follows: The airspace overlying the Canada territory, extending from the surface to 14,500 ASL within a 6.5NM radius of the Houlton Intl, ME aerodrome.

### MARITIME PROVINCES - DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000') or (5000' to below 10,000').

CYA702(P) Greenwood NS - The airspace within the area bounded by a circle of 0.5 mile radius centred on N45 03 47.00 W064 43 19.00.

Designated Altitude - Surface to 500'

Time of Designation - Cont daylight



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C100 PLANNING

#### MARITIME PROVINCES - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYA730(M) Chatham NB has been revoked.

CYA752(M) Liverpool NS - A military operations area bounded by a line beginning at N43 00 00 W66 00 00 to N43 30 00 W66 00 00 to N44 22 00 W64 00 00 to N43 42 00 W64 00 00 to the point of beginning.

Designated Altitude - Surface to FL280

Time of Designation - Cont daylight Mon-Fri except holidays. O/T by NOTAM

CYA753(S) Stanley NS - has been revoked.

CYD734, CYD735, CYD736, CYD737, CYD738 have been redesignated as:

Designated Altitude - Surface to FL 200, Oscl higher by NOTAM

CYD739, CYD740, CYD741, CYD742, CYD743, CYD744, CYD745 and CYD746 have been redesignated as:

Designated Altitude - Surface to FL 300, Oscl higher by NOTAM

CYR724 Fredericton/Gagetown, NB

The airspace within the area bounded by a line beginning at N45 51 20.00 W066 15 40.00 to N45 46 00.00 W066 11 40.00 to N45 34 40.00 W066 05 30.00 to N45 28 10.00 W066 14 40.00 to N45 27 50.00 W066 21 10.00 to N45 33 30.00 W066 32 00.00 to N45 40 00.00 W066 35 00.00 to N45 40 30.00 W066 29 15.00 to N45 48 00.00 W066 29 10.00 to N45 50 20.00 W066 25 40.00 to point of beginning.

Designated Altitude - Surface to FL 250

Time of Designation - Cont

CYR734, CYR735, CYR736, CYR737, CYR738, CYR739, CYR740, CYR741, CYR742, CYR743, CYR744, CYR745 and CYR746 have been redesignated to CYD's.

CYR747 Truro NS redesignated as follows: The area is described as a circle with a radius of 1NM centred on N45 20 50 W63 18 10.

Designated Altitude - Surface to 1300 ASL

Time of Designation - Cont

CYR748 Halifax, NS The airspace within the area bounded by a line beginning at:

 $\label{eq:numbers} N44°36'06.00" \ W063°26'06.00" \ to \ N44°32'41.00" \ W063°25'15.00" \ to \ N44°26'54.00" \ W063°10'48.00" \ to \ N44°36'06.00" \ W063°24'30.00" \ to \ N44°36'06.00" \ W063°26'06.00" \ point of beginning$ 

Designated Altitude- Surface to 1500'

Time of Designation- Ocsl by NOTAM

CYR754 Confederation Bridge, PE - The area bounded by a line beginning at N46 09 27 W63 48 24 to N46 12 06 W63 44 45 to N46 14 45 W63 41 45 to N46 15 24 W63 42 51 to N46 12 45 W63 45 51 to N46 10 09 W63 49 27 to the point of beginning.

Designated Altitude - Surface to 500 ASL

Time of Designation - Cont

# MARITIME PROVINCES - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd) SABLE ISLAND, NOVA SCOTIA

MF Area Sable Island - Effective 17 May 2001

Due to oil/gas exploration and development in the vicinity of Sable Island, south-east of Nova Scotia, there is significant air traffic activity in the area and along routes to and from the Nova Scotia mainland, primarily to airports at Halifax, Trenton and Sydney.

Although the majority of the traffic is helicopter activity to and from approximately 10 heliports and helidecks located in the area, fixed wing aircraft also frequently operate in the area and along or across these routes. The number and positions of the helidecks may vary seasonally within the general area.

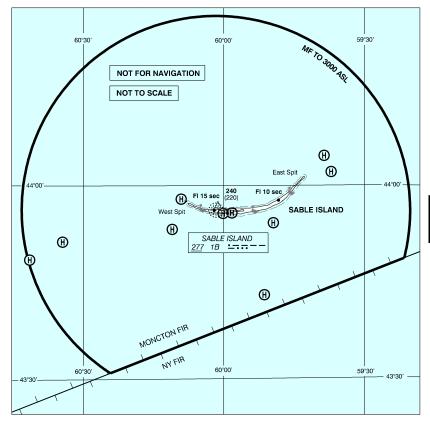
For reasons of safety an MF has been designated within the airspace around Sable Island, as described below. The MF frequency for this area is 122.75.

Outside the MF area pilots should monitor 126.7Mhz and broadcast position reports and intentions while enroute.

Daily radiosonde ballon launches with an ascent rate of 1000 ft/min between hours of 1115-1345Z and 2315-0145Z.

### Description of MF area:

30NM radius centred on the Sable Island NDB N43 55.8 W60 01.4, excluding the area south of the Moncton/New York FIR boundary, surface to 3000 ASL.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C102 PLANNING

### **MARITIME PROVINCES - BLASTING OPERATIONS**

The following is a list of locations where open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA SITE COORDINATES

Port Hawkesbury, NS 3NM SW of A/D N45 38 W61 25

Max alt 1000 ASL

### **MARITIME PROVINCES - HAZARDS TO AIRCRAFT OPERATIONS**

### Hang Gliding and Soaring Areas

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in VFR weather conditions. Winch launches by cables up to 2,000 AGL.

NAME POSITION OPERATING TIMES

Parrsboro, NS From around A/D Daylight

(Hang-gliding) Sfc to 2000 ASL, ocsl 5000 ASL

Weyman Airpark, NB At A/D Daylight Apr 15-Dec 15

(Soaring)

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C103

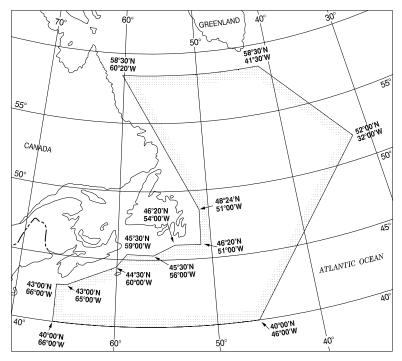
## MARITIME PROVINCES - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) MILITARY OPERATIONS AREA - North Atlantic Operations Patrol Area ELK

- ELK consists of that airspace from the surface of the earth to Flight Level 50 within the following area: From N43 00 W66 00 to N43 00 W65 00 to N44 30 W60 00 to N45 30 W59 00 to N45 30 W56 00 to N46 20 W54 00 to N46 20 W51 00 to N48 24 W51 00 to N58 30 W60 20 to N58 30 W41 30 to N52 00 W32 00 to N40 00 W46 00 to N40 00 W66 00 to the point of origin.
- Maritime surveillance aircraft conduct daily all-weather operational flights in Area ELK. These
  aircraft are required to operate on various headings and altitudes up to and including FL50 and
  to make rapid climbs and descents without prior warning. Because of operational considerations
  they operate without navigation or identification lights during the hours of darkness and often
  without SIF/IFF.
- The Canadian Forces Maritime Command (CANMARCOM) provides advisory information between maritime aircraft and other aircraft in Area ELK based on known air traffic.
- 4. Standard pressure setting 29.92 inches is used for transit and separation within the entire area.
- 5. In the interest of Flight Safety it is essential that CANMARCOM be informed in advance of all flights or proposed flights in or through Area ELK. Aircraft flight level(s), track and approximate times of ELK penetration and exit are required. Military aircraft are encouraged to communicate directly with CANMARCOM. On prior request, frequencies will be assigned on which to report position and obtain ELK clearance. ASW aircraft will be routed clear of all known military and civil traffic.
- CANMARCOM may be contacted by the following means;
  - (a) Letter to Commander Maritime Command, Halifax, NS, Canada.
  - (b) Message to MOC HALIFAX.
  - (c) Telephone Maritime Operations Centre (902)427-2502, (902)427-2501 Autovon (319)447-2502
  - (d) On request of the pilot when filing flight plans at departure points in North America, aircraft flight plans may be relayed through ATC channels to Moncton ATCC for Maritime Command Operations.
  - (e) In-flight position reports or advisories when not transmitted directly as in para 5 above may be relayed through Gander or Moncton Airways. These messages should specify "Pass to Maritime Operations Centre".

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C104 PLANNING

# MARITIME PROVINCES - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) AREA ELK FL 50 AND BELOW



### MILITARY OPERATIONS AREA (MOA)

### **Shearwater DIP Sectors**

 The Shearwater DIP Sectors consists of that airspace from the surface of the earth to 500 ASL within the following area:

From N44 38 15.05 W63 08 47.56 (UAW 090T°/015 DME) to N44 38 09.27 W62 47 47.18 (UAW 090T°/030 DME) arcing clockwise (on a 30NM arc from UAW) to N44 23 11.26 W64 06 01.84 (UAW 240T°/030 DME) to N44 30 45.56 W63 47 57.24 (UAW 240T°/015 DME) arcing counter-clockwise (on a 15NM arc from UAW) to point of origin.

This area is further divided into four sectors, based on that space between the UAW 15 DME arc and the UAW 30 DME arc, and between the following (UAW) radials:

- (a) DIP Sector 1: UAW 090T°R 120T°R, UAW 15-30 DME (coordinates N44 38 15.05 W63 08 47.56 to N44 38 09.27 W62 47 47.18 to N44 23 11.25 W62 53 34.16 to N44 30 45.56 W63 11 38.76)
- (b) DIP Sector 2: UAW 130T°R 160T°R, UAW 15-30 DME (coordinates N44 28 37.37 W63 13 45.10 to N44 18 55.50 W62 57 47.45 to N44 10 04.66 W63 15 32.67 to N44 24 11.07 W63 22 38.63)
- (c) DIP Sector 3: UAW 170T°R 200T°R, UAW 15-30 DME (coordinates N44 23 30.63 W63 26 10.05 to N44 08 44.11 W63 22 33.90 to N44 10 04.66 W63 44 03.33 to N44 24 11.07 W63 36 57.37)
- (d) DIP Sector 4: UAW 210T°R 240T°R, UAW 15-30 DME (coordinates N44 25 17.11 W63 40 15.89 to N44 12 16.25 W63 50 39.18 to N43 23 11.26 W64 06 01.84 to N44 30 45.56 W63 47 57.24)

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C105

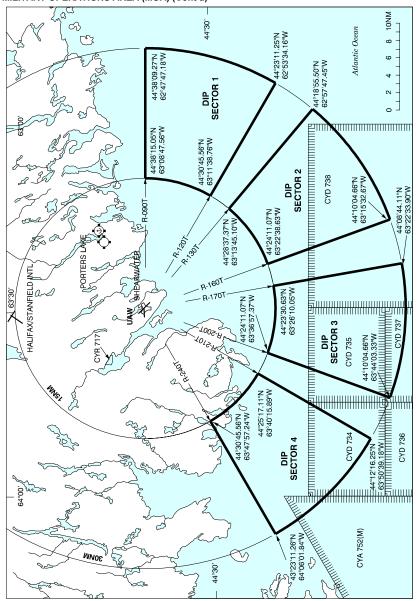
## MARITIME PROVINCES - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd)(Cont'd)

- Maritime helicopters conduct essential over-water training and proficiency flights in the DIP Sectors on a daily basis. These flights often involve the use of sonobuoys, and helicopters routinely transition to/from the hover while in the area. Typically, military flights operate in the area from 0700-2359 (L).
- Aircraft operating in or above this area should contact Shearwater ATC on 126.2 MHz or 231.95 MHz for advisory info. If unable, operators should use 126.7 MHz to announce intentions while in the area.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C106 PLANNING

## MARITIME PROVINCES - HAZARDS TO AIRCRAFT OPERATIONS (Cont'd) MILITARY OPERATIONS AREA (MOA) (Cont'd)



PLANNING C107

### **MARITIME PROVINCES - SIGNIFICANT OBSTRUCTIONS**

The following known obstructions 300′ or higher, and significant obstructions less than 300′ for a VNC Chart and known obstructions 500′ or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

### **MARITIME PROVINCES - SIGNIFICANT OBSTRUCTIONS**

	LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
	Lower East Pubnico NS	427	394	N43 35 47	W65 48 11
	(wind turbines)				
	1.0SW				
	South Ohio NS	750	600	N43 55 53	W66 06 05
	1.4NW				
	Tiverton NS	591	328	N44 24 26	W66 11 21
	1.8NE	548	298	N44 24 43	W64 23 37
	Block House NS 2.5SSE	546	290	N44 24 43	VV04 23 37
	Halifax NS	860	400	N44 39 08	W63 39 49
	Adj	000	400	1444 00 00	VV00 00 40
	Elmsdale NS	452	353	N44 58 15	W63 31 38
	0.4WNW				
	Kentville NS	556	240	N45 04 00	W64 30 04
	0.4S of Hosp				
	Sherbrooke NS	697	400	N45 07 29	W61 57 58
	1.5SE				
	Lorneville NB	499	299	N45 11 51	W66 12 14
	2.0NW				
	Welsford NB	1027	353	N45 25 42	W66 19 26
	2.0SE	4000	200	N45 04 00	W00 07 04
l	Westchester Station NS	1362	328	N45 34 33	W63 37 01
ı	3.2 SSE Hampstead NB	350	290	N45 35 35	W66 02 05
	3.0 SE	330	290	14-5 55 55	VV00 02 03
	Hampstead NB	350	275	N45 35 49	W66 01 36
	3.0 ESE				
	Springhill NS	1020	315	N45 36 00	W64 00 49
	0.2SSE				
	Amherst NS	866	353	N45 45 30	W64 06 53
	5.0SE				
	Lincoln NB	225	164	N45 53 46	W66 35 30
	0.2SSW				
	Dumfries	995	338	N45 55 41	W67 08 13
	1.9SSE	524	419	N46 00 F0	W62 36 29
	Montague PE 1.8ESE	524	419	N46 08 58	VV62 36 29
	Chipman NB	365	300	N46 10 33	W65 54 03
	1.0W	000	500	1440 10 00	VV00 04 00
	Chipman NB	403	295	N46 11 05	w65 54 36
	1.2WNW				
	Bonshaw PE	572	325	N46 11 32	W63 20 33
	0.5ESE				
	Barachois NB	338	295	N46 12 28	W64 25 27
	1.3SE				
	Vernon River PE	511	325	N46 12 45	W62 45 50
	3.0E				

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C108 PLANNING

MARITIME PROVINCES - SIGNIFICANT OBSTRUCTIONS (Cont'd)						
LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG		
New Waterford NS	392	326	N46 14 33	W60 01 55		
(wind turbines)						
2.0E						
Nashwaak Bridge NB	875	350	N46 16 12	W66 36 40		
1.8N						
Albany PE	475	325	N46 16 59	W63 37 21		
1.0SW						
Summerside PE	292	222	N46 24 29	W63 48 15		
0.4NW						
Elmira PE	538	410	N46 27 19	W62 03 39		
(wind turbines)						
1.0N						
Rexton	403	295	N46 36 10	W64 49 19		
3.0SE						
West Cape PE	537	387	N46 38 41	W64 23 16		
1.0N						
Springfield West PEI	535	394	N46 41 40	W64 21 28		
(wind turbines)						
0.6NNE						
Springfield West PE	487	387	N46 42 00	W64 22 42		
1.0NE	407	200	N40 40 54	WC4 00 00		
Elmsdale PE	497	386	N46 49 51	W64 08 28		
0.75N	455	200	N40 57 00	WC4 00 47		
Tignish PE	455	386	N46 57 09	W64 03 47		
1.1W Tignish PEI	472	410	N47 00 56	W64 02 13		
•	4/2	410	1147 00 30	VV04 UZ 13		
(wind turbines) 3.6S						
Grand Falls NB	970	426	N47 02 28	W67 43 12		
Adj S	970	420	1147 02 20	VV07 43 12		
Barryville NB	338	295	N47 08 42	W65 15 33		
0.5WSW	330	233	1147 00 42	VV03 13 33		
Lavillette NB	672	328	N47 15 05	W65 22 48		
2.0WSW	072	020	147 10 00	VV00 22 40		
Nigadoo NB	480	300	N47 43 45	W65 45 46		
2.0W	100	000	1417 10 10	1100 10 10		
LaPlante NB	580	321	N47 46 16	W65 46 52		
Adj N				· <del>-</del>		
St-Léolin NB	394	328	N47 48 00	W65 08 05		
2.2NE						
Dalhousie Junction	601	361	N48 01 46	W66 31 20		
1.2SW						

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

### **NEWFOUNDLAND & LABRADOR**

#### **NEWFOUNDLAND & LABRADOR - AIR NAVIGATION RADIO AIDS**

Channel Head NDB ident "CM" freg 379 at N47 34 01 W59 09 33 decommissioned.

Davis Inlet NDB ident "3J" freq 345 at N55 53 39 W60 55 03 decommissioned.

Deer Lake VOR/DME ident "YDF" at N49 13 57 W57 12 48 var changed to "21°W".

Galantry Head (St-Pierre), France NDB ident "Y" N46 45 44 W56 09 37 decommissioned.

Gander Intl. DME ident " IQX" freq 109.5 Ch 32 at N48 57 02 W54 33 37 commissioned.

Gander VORTAC ident "YQX" freq 112.7 at N48 53 59 W54 32 06 var changed to "20°W".

Junction NDB (Deer Lake) ident "FK" freq changed to "335".

Natuashish NDB ident "E8" freq 492 at N55 54 44 W61 11 22 commisioned

Paradise River NDB ident "1C" freq 343 at N53 26 35 W57 15 36 decommissioned.

Ramea NDB ident "RZ" freq 331 at N47 30 43 W57 24 31 has been decommissioned.

St. Anthony DME ident "YAY" relocated to N51 23 39 W56 05 01, freq changed to "113.7", Chan changed to "84".

St. John's TACAN ident "UYT" freq changed to "108.6", Chan changed to "23".

Saglek NDB ident "XAW" freq 251 at N58 29 00 W62 39 40 decommissioned.

Springdale NDB ident "SG" freg 364 at N49 29 26 W56 11 01 decommissioned.

Springdale NDB ident "2B" freq 364 at N49 29 24 W56 11 05 commissioned.

Torbay NDB ident "YT" freq 260 at N47 40 11 W52 48 30 decommissioned.

Torbay VOR/DME ident "YYT" freq 113.5 at N47 29 07 W52 51 08 var changed to "20°W".

Wabush NDB ident "WK" freq 218 at N52 51 42 W66 50 14 decommissioned.

Wabush VOR/DME ident "YWK" freq 112.3 at N52 57 36 W66 51 13 var changed to "22°W".

#### **NEWFOUNDLAND & LABRADOR - AIRSPACE DESIGNATIONS**

AR23 between Goose NDB and Lac Eon NDB has been revoked.

AR24 between Wabush NDB and Lac Eon NDB has been revoked.

B19 from Sept-Iles NDB to Wabush NDB revoked

BR20 from Wabush NDB to Schefferville NDB revoked

B21 between Gander NDB and Torbay NDB has been revoked.

G1 from Sydney NDB to Channel Head NDB to Stephenville NDB has been revoked.

G1 from Sydney NDB to Stephenville NDB to Gander NDB has been redesignated to G4.

G3 between Stephenville NDB and Torbay NDB has been revoked.

R1 from Eric NDB to Wabush NDB revoked

R11 from Charlottetown NDB to Gander NDB has been revoked.

R13 redesignated from Sydney NDB to Gander NDB.

R14 redesignated from Argentia NDB and Wabana NDB.

R15 from Deer Lake NDB to Stephenville NDB has been revoked.

R16 between Deer Lake NDB and Torbay NDB has been revoked.

R29 from Churchill Falls NDB to Wabush NDB revoked

RR2 designated between Blanc Sablon NDB and St. Anthony NDB.

RR5 between Heath Point NDB and Deer Lake NDB has been revoked.

RR7 between Churchill Falls NDB and Lac Eon NDB has been revoked.

RR7 from Natash NDB to Deer Lake NDB has been revoked.

RR9 between Heath Point NDB and Stephenville NDB has been revoked.

B19 between Wabush NDB and Schefferville NDB redesignated as BR20.

V300 between Sydney VOR and Gander VOR has been revoked.

V310 from Charlottetown VOR to Tajjo intxn to Channel Head NDB to Glemo intxn to Twelm intxn to Gander VOR has been revoked.

V311 redesignated from Stephenville VOR to Ikbun intxn to Gander VOR.

V316 redesignated from Sept-Iles VOR to Shaik intxn to Norus intxn to Wabush VOR.

V319 designated from Sydney VOR to Umeti intxn to Stephenville VOR to Torbay VOR.

V384 from Deer Lake VOR to Twelm intxn to Torbay VOR has been revoked.

V384 redesignated from Deer Lake VOR to Ikbun intxn to Torbay VOR.

Gander Intl Class "E" Transponder Airspace has been revoked.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C110 PLANNING

#### NEWFOUNDLAND & LABRADOR - AIRSPACE DESIGNATIONS (Cont'd)

Goose Bay Terminal Control Area redesignated as follows:

- (a) The airspace extending upwards from 700 AGL to the base of overlying controlled airspace within the area of a circle of 35NM radius centred on the Goose. NL NDB.
- (b) The airspace extending upwards from 2200 AGL to FL280 inclusive within the area of a circle of 87NM radius centred on the Goose, NL NDB, excluding that airspace at and below 12,500 ASL within AR28

St. Anthony Control Area Extension has been redesignated as follows: The airspace within the area bounded by a line beginning at N51 44 05 W56 40 00; thence clockwise along the arc of a circle of 30NM radius centred on the St. Anthony, NL ARP to N51 03 05 W56 40 00 to the point of beginning. A Class "E" Control Zone designated within a 5NM radius of the St. Anthony aerodrome.

A Class "B" and "E" Transition Area has been designated within a 15NM radius of the St. John's, NL aerodrome.

A Class "E" Transponder Airspace has been designated at St. John's, NL:

- (a) The airspace extending upwards from 2000 ASL up to and including 12,500 ASL within a 15NM radius centred on the St. John's, NL aerodrome, excluding that airspace below 3000 ASL within an area bounded by a line beginning at N47 26 55 W53 01 21, a point on the 15NM radius of the aerodrome; thence to N47 30 19 W52 55 57, a point on the 10NM radius of the aerodrome; thence counter-clockwise along said arc to N47 27 34 W52 49 29; thence to N47 22 48 W52 51 40, a point on the 15NM arc; thence clockwise to the point of beginning.
- (b) The airspace extending upwards from 3000 ASL up to and including 12,500 ASL within a 25NM radius centred on the St. John's. NL aerodrome.

St-Pierre, France Terminal Control Area has been redesignated as follows:

- (a) Class "D" airspace extending from 700 ASL to 6000 ASL within a 10NM radius of the St-Pierre, France NDB.
- (b) Class "E" airspace extending from 6000 ASL up to and including 12,500 ASL within a 35NM radius of the St-Pierre, France NDB, excluding the airspace beyond a 10NM radius of the St-Pierre. France NDB from the 015°T clockwise to the 100°T of the said NDB.

#### NEWFOUNDLAND & LABRADOR - DANGER, RESTRICTED & ADVISORY AREAS

All altitudes will be inclusive unless otherwise indicated, i.e. (5000' to 10,000'). To indicate when either the bottom or upper altitude is not included, the words below and above are to be placed before the appropriate altitude, i.e. (above 5000' to 10,000') or (5000' to below 10,000').

CYA702(M), CYA703(M), CYA707(M) and CYA708(M) Goose Bay have been revoked.

CYA731(M) Goose Bay - A military operation area bounded by a line beginning at N53 03 35 W59 51 02 to N52 52 00 W59 45 00 to N52 40 00 W59 30 00 to N51 20 00 W59 30 00 to N50 50 00 W60 00 00 to N50 50 00 W62 05 00 to N51 25 00 W64 00 00 to N52 47 00 W64 00 00 to N53 42 00 W64 55 00 to N54 25 00 W65 20 00 to N55 05 00 W65 05 00 to N55 25 00 W63 45 00 to N55 00 00 W62 30 00 to N54 49 43 W61 00 00 to N53 40 00 W61 00 00 to N53 38 00 W60 51 30; thence counter-clockwise along the arc of a 25NM circle centred on the Goose NDB to the point of beginning, excluding:

- (a) the area within a 22 mile radius centred on the airport of Churchill Falls at N53 33 43 W64 06 23;
   and
- (b) CYR 726 and CYR 727.

Designated Altitude - Surface to 5000 ASL

Time of Designation - Cont Mar 1 to Nov 30, O/T by NOTAM

CYA732(M) Goose Bay redesignated as follows: A military operation area bounded by a line beginning at N53 31 20 W61 26 12 to N53 45 00 W62 43 00 to N53 50 00 W64 20 00 to N53 42 00 W64 55 00 to N54 25 00 W65 20 00 to N55 05 00 W65 05 00 to N55 25 00 W63 35 00 to N55 05 00 00 W62 30 00 to N54 48 30 W60 50 00 to N53 59 19 W60 35 57; thence counter-clockwise along the arc of a 40NM circle centred on the Goose NDB to the point of beginning, excluding CYR701.

Designated Altitude – Above 5000 ASL to FL280 Ocsl FL600 by NOTAM

Time of Designation - Daily except Sun 11-0430Z‡ Mar 1-Nov 30

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C111

#### NEWFOUNDLAND & LABRADOR - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd)

CYA733(M) Goose Bay redesignated as follows: A military operation area bounded by a line beginning at N52 42 10 W60 02 07 to N51 54 00 W59 30 00 to N51 20 00 W59 30 00 to N50 50 00 W60 00 00 to N50 50 00 W62 05 00 to N51 22 26 W63 51 11 to N52 48 12 W61 01 29; thence counter-clockwise along the arc of a 40NM circle centred on the Goose NDB to the point of beginning, excluding CYR727 and CYR750.

Designated Altitude - Above 5000 ASL to FL 280 Ocsl FL600 by NOTAM

Time of Designation - Daily except Sun 11-0430Z‡ Mar 1-Nov 30

CYA755(M) Goose Bay redesignated as follows: A military operation area bounded by a line beginning at N52 18 24 W62 02 38 to N51 22 26 W63 51 11 to N51 25 00 W64 00 00 to N52 47 00 W64 00 00 to N52 54 00 W64 06 51 to N52 58 01 W62 41 38; thence counter-clockwise along the arc of a 87NM circle centred on the Goose NDB to the point of beginning.

Designated Altitude - Above 5000 ASL to 17,000 ASL Ocsl FL600 by NOTAM

Time of Designation - Daily except Sun 11-0430Z‡ Mar 1-Nov 30

CYR701 Goose Bay has been designated as follows:

The airspace within the area bounded by a circle of 10 miles radius centred on N53 50 48.00 W061 58 48.00.

Designated altitude - Surface to FL 280

Time of Designation - Ocsl by NOTAM

CYR705 Goose Bay has been revoked.

CYR726 Goose Bay redesignated as follows: The area is described as a circle with a radius of 30NM centred on N52 17 23 W60 57 14, excluding CYR727.

Time of Designation - Cont Mar 1 to Nov 30, O/T by NOTAM.

CYR727 Goose Bay redesignated as follows:

AREA 1: The airspace within the area bounded by a circle of 10 miles radius centred on N52 17 23 W60 57 14.

Designated Altitude - Surface to 12,500'

Time of Designation - Cont

AREA 2: The airspace within the area bounded by a circle of 16 miles radius centred on N52 17 23 W60 57 14, excluding the area within CYR750.

Designated Altitude - Surface to FL 280

Time of Designation – Ocsl by NOTAM

CYR750(M) Goose Bay - The area is described as a circle with a radius of 5NM centred on N52 17 23 W60 57 14.

Designated Altitude – Above 12,500 ASL to FL600

Time of Designation - Daily except Sun 11-0430Z‡ Mar 1-Nov 30

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C112 PLANNING

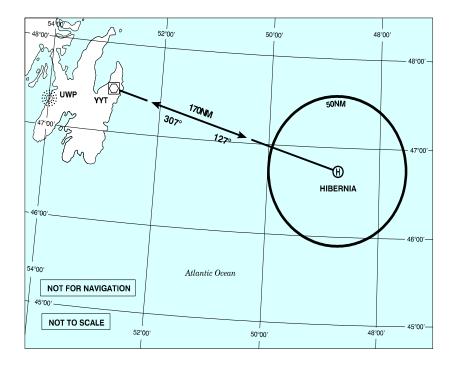
## NEWFOUNDLAND & LABRADOR - DANGER, RESTRICTED & ADVISORY AREAS (Cont'd) OFFSHORE AIR TRAFFIC ACTIVITY AREA EAST OF ST. JOHN'S NL FL55 AND BELOW

Petroleum exploration and production off the east coast of Newfoundland has created significant air traffic activity. The Hibernia oil production structure is fixed at position N46 45.0 W48 46.7. Other structures with helidecks operate within a 50NM radius of the Hibernia structure. The number and location may vary seasonally.

The majority of the traffic consists of helicopters operating to/from these platforms along direct routes to St. John's airport, however, military and civil fixed wing patrol aircraft also frequently operate in the area and across these routes.

Pilots operating in the area are advised to monitor enroute frequency 126.7MHz and to broadcast their position and intentions.

Clearances at and above FL55 can be obtained by contacting Gander Area Control Centre on 118.25 MHz, via a telecommunications circuit on the Hibernia platform.



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

PLANNING C113

#### **NEWFOUNDLAND & LABRADOR - BLASTING OPERATIONS**

The following is a list of locations where open-pit mine or quarry blasting operations are conducted. Flying rock can attain a maximum height of approximately 3,000 AGL within a one mile radius or as otherwise indicated.

GENERAL AREA SITE COORDINATES

Wabush 2.5NM W of A/D N52 54 27 W66 55 54

1.2NM radius To 8500 ASL

Wabush 8.0NM N of A/D N53 02 50 W66 56 21

2.2NM radius To 8500 ASL

#### **NEWFOUNDLAND & LABRADOR - HAZARDS TO AIRCRAFT OPERATIONS**

#### **Hang Gliding Areas**

Pilots are cautioned to either avoid or use extreme caution when flying in or near these areas in VFR weather conditions. Launches by vehicle.

NAME POSITION OPERATING TIMES

Stephenville At A/D Daylight Apr-Jun

#### **Parachuting Areas**

Pilots are cautioned to either avoid the following areas when parachuting is in progress or to exercise extreme caution when flying in areas where parachutists might be encountered.

Gander

Parachuting from 2000 ASL and below vicinity of Gander Airport within 15NM radius of position N48 57 W54 40, day and night VFR. Aircraft in contact with Gander Tower.

### **NEWFOUNDLAND & LABRADOR - SIGNIFICANT OBSTRUCTIONS**

The following known obstructions 300′ or higher, and significant obstructions less than 300′ for a VNC Chart and known obstructions 500′ or higher for a WAC Chart, will be published on the next applicable chart revision. The location and nautical mile distance shown is from the nearest community on the VNC or the nearest community common to the VNC and WAC charts.

LOCATION	ELEV ASL	HGT AGL	(N)LAT	(W)LONG
Little St. Lawrence	1010	410	N46 57 41	W55 25 36
(wind turbines)				
3.5NW				
Comfort Cove-Newstead	660	625	N49 19 56	W54 51 43
4.0S				
St. Anthony	211	111	N51 23 11	W56 05 47
0.6WSW of A/D				
Mary's Harbour	668	417	N52 19 05	W55 50 36
0.1N				
Goose Bay	963	300	N53 18 12	W60 31 27
3.0W				



Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C114 PLANNING

#### FLIGHT RESTRICTIONS

#### FOREST FIRES

No person shall operate an aircraft in the airspace below 3,000 feet above ground level within five nautical miles of the limits of a forest fire area or as described in a NOTAM (CAR 601.15, 601.16, 601.17).

## FLIGHT RESTRICTIONS INTO NATIONAL. PROVINCIAL AND MUNICIPAL PARKS

Access to National, Provincial and Municipal Parks is governed by regulations enacted by the respective parks authorities.

All National, Provincial and Municipal Parks are closed to aircraft unless otherwise specified in the TC AIM and/or the Supplements. On a prior permission basis, some parks will permit access to private flights, while others may authorize commercially registered aircrafts.

To help pilots obtain the required permission, Nav Canada publishes the name and telephone number of applicable park authorities, in the "Aerodrome/Facility Directory" of the Canada Flight Supplement/Water Aerodrome Supplement, for any aerodrome/heliport located within park boundaries.

#### IFR FLIGHT TRAINING WITHIN 100NM RADIUS OF TORONTO INTL (CYYZ), ONTARIO

All IFR training, test flights and checkride flights between 1200-0200Z‡ must be coordinated with Toronto ACC prior to flight planning. For coordination, contact Toronto flow control (800)268-4831 or (905)676-3528.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C150 PLANNING

#### NORTH AMERICAN ROUTE PROGRAM (NRP)

#### General

A flight that originates and terminates within conterminous U.S. and Canada and North Atlantic international flights operating within the North American Route (NAR) System may participate in the NRP under the following procedures and requirements.

#### **FAA/NAV CANADA Common Procedures**

The following common FAA and NAV CANADA procedures apply:

- (a) Flights to operate at or above FL 290.
- (b) For that portion of flight within 200NM of the departure or destination airport, flights shall be filed and operated via Standard Instrument Departures (SIDs), Departure Procedures (DPs), Standard Terminal Arrival Routes (STARs) or published Preferred IFR Routes. If none of the above are available, airways may be used.
- (c) NRP flights are not normally subject to routing restrictions such as published Preferred IFR Routes or airways, beyond a 200NM radius of both the departure and destination airports.
- (d) Flight planning requirements are:
  - routes shall contain at least one significant point in each delegated area of airspace jurisdiction for each FAA Air Route Traffic Control Center (ARTCC) or Canadian FIR/CTA;
  - (ii) significant points may be a navigational aid or waypoint defined in fix-radial-distance (FRD) format from a navigation aid. Within Canadian airspace a significant point may also be a coordinate described in degrees and minutes of latitude/longitude;
  - (iii) for routes that cross the U.S./Canada border, a significant point within 30NM of either side of the border shall be filed;
  - (iv) significant points should be filed for all turnpoints;
  - (v) route(s) shall avoid active Class F airspace;
  - (vi) "NRP" shall be entered in the Remarks section of the flight plan; and
  - (vii) flight plans to be filed at least one hour prior to departure.
- (e) In the event that a NRP aircraft has to be recleared due to weather or tactical reasons, ATC will attempt to return the aircraft to the original NRP routing as soon as practical. Aircraft that depart from the NRP routing due to a pilot request or an ATC clearance authorizing a direct routing will be considered as a non participant of the NRP.
- (f) Unless published routing restrictions are in effect, North Atlantic international flights planning to operate within the North American Route (NAR) System may file NRP routes beyond 200NM of the NAR identified system airport and the published Inland Navigation Fixes (INFs).

#### Specific NAV CANADA Requirements

The following specific Canadian requirements apply:

- (a) When a significant point is defined by latitude and longitude the following applies:
  - for flights operating on predominately north or south tracks (315°T clockwise through 045°T or the reciprocals), tracks shall be defined by reference to significant points formed by the intersection of whole degrees on longitude with specified parallels of latitude spaced at 5° of latitude expressed in longitude by degrees and minutes and latitude by degrees;
  - for flights operating on predominately east or west tracks (046°T clockwise through 134°T or the reciprocals), tracks shall be defined by reference to significant points formed by the intersection of half or whole degrees of latitude with meridians spaced at intervals of 10° expressed in longitude by degrees and latitude by degrees and minutes.
- (b) All flights to remain north of N48°15'00" W90°00'00" or south of N47°30'00" W90°00'00".
- (c) <u>Toronto International (CYYZ)</u>. For aircraft landing at CYYZ, those aircraft inbound from the northwest are to terminate the NRP portion and join a preferred arrival routing no later than the intersection TIBUD (N45°34.5' W81°26.7').
- (d) <u>Vancouver International (CYVR)</u>. For aircraft landing at CYVR, those aircraft arriving from the east and north of the Canada/USA border are to arrange routing to be north of J500 no later than the intersection LOCAN (N49°30.7' W117°33.1').

#### NORTH AMERICAN ROUTE PROGRAM (NRP) (Cont'd)

- (e) Ottawa/Macdonald-Cartier International (CYOW). For aircraft landing at CYOW, those aircraft inbound from the west are to terminate the NRP portion and join a preferred arrival routing no later than the intersection SMARE (N46°19.6' W78°9.8').
- (f) Montreal/Pierre Elliott Trudeau International (CYUL). For aircraft landing at CYUL, those aircraft inbound from the west-northwest are to terminate the NRP portion and join a preferred arrival routing no later than the Mirabel VOR/DME (YMX) (N45°53.3' W74°22.5') provided the route proceeds over or north of Maniwaki (YMW) (N46°12.5' W75°57.4'). For routes that do not comply with this requirement terminate the NRP portion and join a preferred arrival routing no later than Maniwaki.

#### Specific FAA Requirements

Refer to the current FAA Advisory Circular-NRP.

#### NORTH AMERICAN ROUTES (NARs) FOR NORTH ATLANTIC TRAFFIC

- 1. The objectives of the NAR System are as follows:
  - (a) To expedite flight planning;
  - (b) To reduce the complexity of route clearances and thereby minimize the confusion and error potential inherent in lengthy transmissions and readbacks; and;
  - (c) To minimize the time spent in the route clearance delivery function.
- 2. The NAR System is designed to accommodate major airports in North America where the volume of NAT traffic and route complexity dictate a need to meet the above requirements. It is for the use of traffic entering/exiting the NAT and consists of a series of pre-planned routes from/to coastal fixes and identified system airports. Most of the routes are divided into two portions:
  - (a) Common Portion
- That portion of the route between a specified coastal fix and a specified inland navigation fix (INF). Some routes have a common portion only; and
- (b) Non Common Portion
- That portion of the route between a specified INF and a system airport. The routes are within the high level airspace structure with a transition to/from system airports.
- 3. The routes are prefixed by the abbreviation "N" with the numbering for the common portions orientated geographically from south to north. The ODD numbers have eastbound application while the EVEN numbers apply to westbound. Following a one to three digit number, an alpha character indicates the validation code and forms part of the route identifier. Validation codes are associated to amendments to the common routes only and not to non-common route portions.
- 4. Since a primary function of the NAR System is to compliment the NAT traffic flow, a limited number of NAR routes, appropriate for coastal fixes serving the Organized Track System (OTS) and the domestic traffic organization, are included in the NAT/OTS message published by the Gander and Shanwick Oceanic Area Centres.
- 5. Aircraft can only join the NAR System:
  - (a) At the identified coastal fix; or
  - (b) On departure from one of the identified system airports; or
  - (c) At an identified INF.

#### 6. Flight Planning - GENERAL:

### WESTBOUND:

- (a) Westbound routes begin at the coastal fixes, thence along common route portions to an INF and then fan-out along non common routes to selected system airports;
- (b) For aircraft proceeding to an identified system airport and the route of flight is described by a single NAR designator, use the designator; and
- (c) For aircraft proceeding to a non system airport but the route of flight is described by the common route portion to an identified INF, use the designator to the INF followed by a detailed routing to the destination.

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C152 PLANNING

# NORTH AMERICAN ROUTES (NARs) FOR NORTH ATLANTIC TRAFFIC (Cont'd) EASTBOUND:

- (a) Eastbound routes only have a common portion from the INF to a coastal FIX;
- (b) When the route of flight is described by a single NAR designator, use the designator;
- (c) For aircraft departing from a non system airport, file via an appropriate detailed routing to the applicable INF and thence via the common portion to the coastal fix using the NAR designator;

#### GENERAL:

For those cases not described above, a detailed routing is required.

#### 7. NAR- Requirement:

- (a) Generally there is no requirement to flight plan and operate using the NAR system. However ATC requires eastbound aircraft intending to operate on the NAT OTS and operating wholly on or south of a line between the intersections BAREE and DOTTY, flight plan and operate using one of the NARs published on the daily OTS Message.
- (b) NARs may be assigned by air traffic control for the tactical management of air traffic in Canadian Domestic airspace.
- (c) For operators who elect not to use the NAR system, the rules of the North American Route Program (NRP) apply.

#### 8. Route Clearances:

- (a) For aircraft operating within the NAR System, the ATC routing clearance and pilot readback will be indicated by the NAR designator, eg: "North American Route 105C";
- (b) For aircraft operating in the NAR System but only using the common route portion, the ATC routing clearance and pilot readback will be indicated by the NAR designator followed by the detailed routing;
- (c) For aircraft not operating in the NAR System, the ATC routing clearance and pilot readback will be via a detailed route;
- (d) Aircraft cleared to a system airport via a NAR designator are to follow the common and the non common portion of the route to the system airport. If the issued NAR, either the common or non common portion, is incompatible or unacceptable, the pilot is to advise ATC accordingly.

#### 9. Documentation:

It is expected that the following documentation will be carried on the flight deck of aircraft operating within the NAR system:

- (a) The current publications of NAV Canada, Canadian Flight Supplement, or Federal Aviation Administration, Airport Facility Directory (Northeast) or another product which provides the current NAR; and
- (b) Information in the current NAT/OTS message.

PLANNING C153

### NAR OVERVIEW - EASTBOUND ROUTES COMMON PORTION

		12 I BOUND ROUTES COMMON PORTI	ON
NAR Designator	Inland Navigation Fix	Route Description	Coastal Fix
N5B	SIE	B24 LYNUS	SLATN
N7A	MANTA	OWENZ LINND R56	SLATN
N13C	SIE	B24 LYNUS	JOBOC
N15B	MANTA	OWENZ LINND R56 KENDA	JOBOC
N17B	VITOL	DIRECT	CARAC
N19B	ALLEX	DIRECT	CARAC
N21C	VITOL	LOMPI	JAROM
N23E	WHALE	LOMPI	JAROM
N25B	EBONY	LOMPI	JAROM
N27A	VITOL	NANSO	RAFIN
N29B	WHALE	NANSO	RAFIN
N31E	KANNI	NANSO	RAFIN
N33C	MIILS	DIRECT	RAFIN
N35A	WHALE	DIRECT	BANCS
N37B	KANNI	DIRECT	BANCS
N39A	BRADD	DIRECT	BANCS
N41C	MIILS	DIRECT	BANCS
N43A	KANNI	DIRECT	COLOR
N45B	BRADD	DIRECT	COLOR
N47A	TUSKY	DIRECT	COLOR
N49A	MIILS	DIRECT	COLOR
N51B	KANNI	DIRECT	YYT
N53B	BRADD	DIRECT	YYT
N55B	TUSKY	DIRECT	YYT
N57B	ALLEX	DIRECT	YYT
N59A	MIILS	DIRECT	YYT
N61B	BRADD	DIRECT	VIXUN
N63B	TUSKY	DIRECT	VIXUN
N65B	ALLEX	DIRECT	VIXUN
N67B	MIILS	DIRECT	VIXUN
N75B	BRADD	DIRECT	YQX
N77B	TUSKY	DIRECT	YQX
N79B	ALLEX	DIRECT	YQX
N81B	EBONY	DIRECT	YQX
N83B	MIILS	DIRECT	YQX
N85A	CEFOU	DIRECT	YQX
N91B	TUSKY	DIRECT	CYMON
N93B	ALLEX	DIRECT	CYMON
N95B	EBONY	DIRECT	CYMON
N97B	MIILS	DIRECT	CYMON
N99A	CEFOU	DIRECT	CYMON
N105B	TUSKY	DIRECT	DOTTY
N107B	ALLEX	DIRECT	DOTTY
N109B	EBONY	DIRECT	DOTTY
N111B	TOPPS	DIRECT	DOTTY
MILLID	10110	DINEOI	DOTT

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C154 PLANNING

### NAR OVERVIEW - EASTBOUND ROUTES COMMON PORTION (Cont'd)

NAR Designator	Inland Navigation Fix	Route Description	Coastal Fix
N113B	MIILS	DIRECT	DOTTY
N115B	BAREE	DIRECT	DOTTY
N121B	ALLEX	DIRECT	YAY
N123A	EBONY	DIRECT	YAY
N125A	TOPPS	DIRECT	YAY
N127A	MIILS	DIRECT	YAY
N129B	BAREE	DIRECT	YAY
N135B	EBONY	DIRECT	REDBY
N137B	TOPPS	DIRECT	REDBY
N139C	TAFFY	DIRECT	REDBY
N141B	BAREE	DIRECT	REDBY
N149B	TOPPS	DIRECT	STEAM
N151E	MIILS	DIRECT	STEAM
N153C	TAFFY	DIRECT	STEAM
N155A	ANCER	DIRECT	STEAM
N161E	TOPPS	DIRECT	VALIE
N163E	MIILS	DIRECT	VALIE
N165E	TAFFY	DIRECT	VALIE
N167E	QUBIS	DIRECT	VALIE
N169A	ANCER	DIRECT	VALIE
N171A	YBG	DIRECT	VALIE
N173B	TOPPS	DIRECT	FOXXE
N175C	MIILS	DIRECT	FOXXE
N177C	TAFFY	DIRECT	FOXXE
N179C	QUBIS	DIRECT	FOXXE
N181E	ANCER	DIRECT	FOXXE
N183C	YBG	DIRECT	FOXXE
N185A	RJ	DIRECT	FOXXE
N193E	MIILS	DIRECT	НО
N195C	TAFFY	DIRECT	НО
N197C	QUBIS	DIRECT	НО
N209B	TAFFY	DIRECT	YDP
N211C	QUBIS	DIRECT	YDP
N225B	TAFFY	DIRECT	LOMTA
N227B	QUBIS	DIRECT	LOMTA

PLANNING C155

### NAR OVERVIEW - WESTBOUND ROUTES COMMON PORTION

NAR Designator	Coastal Fix	Route Description	Inland Navigation Fix
N10A	SLATN	DIRECT	BERGH
N12B	SLATN	J97	LACKS
N14A	JOBOC	DIRECT	BERGH
N16A	JOBOC	DIRECT	SAILE
N18C	DOVEY	DIRECT	SAILE
N36E	CARAC	DIRECT	VITOL
N38E	CARAC	DIRECT	WHALE
N40E	CARAC	DIRECT	KANNI
N42B	CARAC	DIRECT	BRADD
N44B	CARAC	DIRECT	TOPPS
N46E	JAROM	LOMPI	WHALE
N48E	JAROM	LOMPI	KANNI
N50E	JAROM	LOMPI	BRADD
N52E	JAROM	LOMPI	TUSKY
N54E	JAROM	LOMPI	TOPPS
N56E	RAFIN	NANSO	VITOL
N58B	RAFIN	NANSO	WHALE
N60A	RAFIN	DIRECT	KANNI
N62A	RAFIN	DIRECT	BRADD
N64C	RAFIN	DIRECT	TUSKY
N66C	RAFIN	DIRECT	MIILS
N68C	BANCS	DIRECT	VITOL
N70B	BANCS	DIRECT	WHALE
N72B	BANCS	DIRECT	KANNI
N74B	BANCS	DIRECT	BRADD
N76A	BANCS	DIRECT	TUSKY
N78A	BANCS	DIRECT	MIILS
N80B	COLOR	DIRECT	WHALE
N82B	COLOR	DIRECT	KANNI
N84B	COLOR	DIRECT	BRADD
N86B	COLOR	DIRECT	TUSKY
N88A	COLOR	DIRECT	MIILS
N94A	YYT	DIRECT	KANNI
N96A	YYT	DIRECT	BRADD
N98A	YYT	DIRECT	TUSKY
N100B	YYT	DIRECT	ALLEX
N102B	YYT	DIRECT	MIILS
N112B	VIXUN	DIRECT	TUSKY
N114C	VIXUN	DIRECT	ALLEX
N116A	VIXUN	DIRECT	MIILS
N124B	YQX	DIRECT	TUSKY
N126B	YQX	DIRECT	ALLEX
N128B	YQX	DIRECT	EBONY
N130C	YQX	DIRECT	MIILS
N142B	CYMON	DIRECT	ALLEX

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C156 PLANNING

### NAR OVERVIEW - WESTBOUND ROUTES COMMON PORTION (Cont'd)

	,	TIEGIBOOND ROOTES COMMONT	
NAR Designator	Coastal Fix	Route Description	Inland Navigation Fix
N144B	CYMON	DIRECT	EBONY
N146B	CYMON	DIRECT	TOPPS
N148B	CYMON	DIRECT	MIILS
N160C	DOTTY	DIRECT	ALLEX
N162B	DOTTY	DIRECT	TOPPS
N164B	DOTTY	DIRECT	MIILS
N168B	DOTTY	DIRECT	YRI
N170E	DOTTY	YRI	COVAN
N180B	YAY	DIRECT	ALLEX
N184B	YAY	DIRECT	TOPPS
N188B	YAY	DIRECT	YRI
N190C	YAY	YRI	COVAN
N200B	REDBY	DIRECT	ALLEX
N202B	REDBY	DIRECT	TOPPS
N204B	REDBY	DIRECT	TAFFY
N206C	REDBY	DIRECT	YRI
N208F	REDBY	YRI	COVAN
N220B	STEAM	DIRECT	TOPPS
N224E	STEAM	DIRECT	TAFFY
N228B	STEAM	DIRECT	YRI
N230E	STEAM	YRI	COVAN
N240C	VALIE	DIRECT	TOPPS
N242B	VALIE	DIRECT	TAFFY
N248C	VALIE	DIRECT	YBC
N250F	VALIE	YBC YRI	COVAN
N254A	VALIE	ROBBE	MOFAT
N258A	VALIE	ROBBE MOFAT YOW J559	SYR
N260A	VALIE	ROBBE	MT
N264A	FOXXE	DIRECT	TAFFY
N268B	FOXXE	DIRECT	QUBIS
N270B	FOXXE	DIRECT	YBC
N272E	FOXXE	YBC YRI	COVAN
N276A	FOXXE	SPOTE ROBBE	MOFAT
N280A	FOXXE	SPOTE ROBBE MOFAT YOW J559	SYR
N282A	FOXXE	SPOTE	MT
N284B	НО	DIRECT	TAFFY
N288C	НО	DIRECT	QUBIS
N292C	НО	DIRECT	YBC
N294E	НО	YBC YRI	COVAN
N296E	НО	KELVI	SYR*
N302C	НО	SPOTE ROBBE	MOFAT
N306C	НО	SPOTE ROBBE MOFAT YOW J559	SYR
N308E	НО	YWK	MT
N312A	НО	MT YUY	SSM
N322B	YDP	DIRECT	TAFFY

PLANNING C157

### NAR OVERVIEW - WESTBOUND ROUTES COMMON PORTION (Cont'd)

NAR Designator	Coastal Fix	Route Description	Inland Navigation Fix
N326B	YDP	DIRECT	QUBIS
N328C	YDP	DIRECT	YBC
N332C	YDP	DIRECT	COVAN*
N334E	YDP	YBC YRI	COVAN
N344B	YDP	YMX	SYR*
N346A	YDP	BROME NOWAA	MT
N352C	YDP	BROME NOWAA MT YOW J559	SYR
N354C	YDP	J583 YWK MOFAT YOW J559	SYR
N356C	YDP	YKL	ROUND
N358B	YDP	JOVIE HENDY SELBO CANSO	SSM
N362B	YDP	YKL ROUND CANSO	SSM
N372C	LOMTA	DIRECT	TAFFY
N374C	LOMTA	DIRECT	QUBIS
N376C	LOMTA	DIRECT	YBC
N378F	LOMTA	DIRECT	COVAN*
N382H	LOMTA	YBC YRI	COVAN
N386G	LOMTA	YMX	SYR*
N392E	LOMTA	YKL ROBBE	MOFAT
N396C	LOMTA	TEALS	VANSI
N398B	LOMTA	YKL ROBBE MOFAT YOW J559	SYR
N402E	LOMTA	TEALS VANSI STAFE	SSM
N412B	LAKES	DIRECT	TAFFY
N414C	LAKES	HINGE TEALS	MOFAT
N424E	LAKES	MCKEE GELLS	MT
N428C	LAKES	MCKEE GELLS MT YOW J559	SYR
N432B	LAKES	HINGE TEALS MOFAT YOW J559	SYR
N434C	LAKES	MCKEE MEMSO GRAMP LORNE	SSM
N436A	LAKES	DUSMA	TRUDY
N464E	LOPVI	KLIPS	MT
N468E	LOPVI	KLIPS MT YOW J559	SYR
N472E	LOPVI	PELSI SOCAN VETRO	SSM
N474E	LOPVI	FASSA GW GRAVO	TRUDY
N484C	RODBO	SEMTO HENDY	MT
N494C	RODBO	SEMTO HENDY YOW J559	SYR
N496C	RODBO	SEMTO VEPTU PEMLU	SSM
N498C	RODBO	COPUR CHARN DURIL	YQT
N512C	JELCO	DIRECT	VANSI
N514C	JELCO	VANSI YOW J559	SYR
N516H	JELCO	HELMO YMO JARRO	SSM
N518C	JELCO	GRAND SEGAN	YQT
N522C	JELCO	SCA JULIETT RIONA	VBI
N528A	FEDDY	GW PELEE YXZ	SSM

NOTE: \*Routes through Bagotville (YBG) Military Advisory Areas (CYAs) only available from 2300 UTC (DT2200 UTC) Fri to 1100 UTC (DT1000 UTC) Mon unless declared active by NOTAM.

### INTERSECTIONS AND REPORTING POINT CO-ORDINATES

The following is a list of airway and other intersections and/or reporting points

Α	(N)LAT	Г	(W)LO	NG
ABCID ON	43 0			19.7
ABCOT QC	45 0	2.6	73	37.8
ABENY AB	54 1	15.1	113	04.6
ACKIN AB	54 5	57.5	115	28.4
ACORD WA	48 4	17.5	122	32.1
ADRAX NB	45 5	7.5		11.9
ADREW YT	69 1	10.3		0.00
ADREX SK	59 1	17.8	107	41.6
ADSAM NU	69 5			13.2
ADSIX BC	49 0	07.0	122	30.0
ADSUR QC	50 4	11.3	73	15.1
AFINS BC	51 0	0.1	120	41.2
AGBUT ON	44 4	14.9	79	46.7
AGDAN AB	50 5	3.7	113	41.7
AGGUA BC	50 1	15.3	124	59.9
AGLIN ON	45 3	30.2	75	15.8
AGNEX ON	45 3	36.1	77	06.2
AGPAL BC	54 3	31.7	130	46.8
AIRIE BC	52 4	16.8	123	11.8
ALBRO AB	50 5	6.8	114	36.0
ALDDA BC	49 3	33.0	116	20.7
ALEXS QC	45 4	13.9	73	39.2
ALGAR AB	56 0	0.9	112	05.8
ALIVE BC	54 2	21.8	122	09.9
ALKAP NT	62 2	27.6	106	21.0
ALKOB QC	51 2	28.8	64	01.5
ALLEX NB	44 2	25.0	67	0.00
ALOET QC	45 4	16.4	74	29.1
ALOHA BC	51 4	7.2	117	24.8
ALOMO AB	51 1	8.9	112	45.6
ALPIM AB	57 2	27.8	110	26.3
ALRUG AB	52 0	08.7	116	04.4
ALSAB NT	61 3	30.9	110	0.00
ALSAK NU	64 0	0.00	70	0.00
ALSED BC	50 1	18.0	118	35.0
ALSES SK	54 1	13.5	105	54.5
ALVYN BC	49 3	37.1	122	42.4
AMASS NU	61 0	2.3	68	31.0
AMBOF PE	46 4	11.4	63	23.2
AMBRO BC	49 5	9.4	120	21.4
AMERT ON	44 3	39.7	77	53.3
ANCER QC	48 3	33.5	69	25.3
ANCOL ON	43 1	12.5	80	01.0
ANDEE BC	49 3	8.8	115	08.3
ANDRE QC	49 4	8.8	67	59.7
ANJER BC	49 2	27.6	118	05.1
ANSAR QC	48 4	10.4	68	41.4
ANTLR BC	49 0	)4.4	122	14.3
ANTUR ON	49 1	12.5	84	55.3
ANVAP BC	49 0	)4.3	124	17.3
APDIN NL	48 5	9.2	54	50.0
APMAL YT	61 5	52.4	130	0.00
APNEL ON	45 2	21.0	82	13.7
ARAME QC	51 1	19.9	67	27.9
ARDEE NS	45 0	7.4	64	23.2

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C172 PLANNING

A (Cont'd)	( <b>N)L</b> 4	<b>AT</b> 11.7	(W)LO	<b>NG</b> 49.6
AROUK AB		16.7		26.3
ARRUE BC		04.4		07.8
ARTHR ON		44.9		33.3
ASHTN ON		11.9		55.5
ATENE QC		14.1		16.4
ATHUR BC		00.6		12.3
ATLAN NL		45.6		06.9
ATUKO QC		00.0		41.2
ATUNA BC		22.4		31.9
ATUSA ON		04.7		00.6
AVOKU NU		00.0		00.0
AVOTO QC		28.5		55.9
AVTAK ON		58.3		19.1
AVUMU BC		57.7		05.1
AVVON ON		14.4		59.3
AXOBU ON		56.7		23.7
AXUBI BC		04.3		38.6
AXXIS ON		49.8		59.0
AYROU NU		18.9		00.0
AYZOL AK		28.3		00.0
AZTRO ON		53.7		56.6
В	(N)LA	λT	(W)LO	NG
BACHO AB	50	49.7	113	04.8
BACMO ON	48	0.00	84	01.0
BACOS AB	52	32.1	113	38.4
BAFAL ON	48	55.8	81	54.3
BAGLE NB	46	05.5	66	54.6
BAJOL BC	49	18.6	123	28.2
BALOR BC		01.8		01.6
BAMPS NT		19.3		12.0
BANCS NL		39.0		06.2
BANNE BC		06.0		38.3
BAREE QC		08.8		18.0
BASRA BC		15.2		00.4
BEATE ON		04.0		33.7
BEJAT ON		53.4		39.5
BEJAW AB		14.4 16.9		49.5
BELZY ON		22.7		09.3
BENAX NT		29.1		00.0
BEPEG NU		00.0		00.0
BEPIT AB.		50.7		35.5
BEPUP ON		42.0		33.4
BERUS NU		00.0		00.0
BESEM QC		46.4		19.0
BESIL QC		56.1		08.3
BETUM BC		46.0		31.0
BEVEL AB		30.0		0.00
BIBEM YT		40.3		0.00
BIBOX NT	66	8.00	124	00.0
BIGBE ON	44	08.0	80	37.0
BILII ON	49	01.3	88	15.7
BILPA ON	46	25.1	82	26.0
BILSI NT		18.9		43.6
BINGA BC		42.1		0.00
BINLO NT	61	45.1	103	27.9

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

B (Cont'd)	(N)LAT	(W)LONG
BIRLA MB	50 35.0	97 04.0
BISPO AB	56 56.3	115 54.0
BITRO NT	67 00.2	135 00.0
BIVGO QC	45 39.0	75 11.9
BLAKK QC	46 02.6	72 25.0
BOBBS QC	51 00.1	62 00.0
BOBNO AB	53 31.7	112 24.7
BOBRA QC	46 14.5	76 32.2
BOBTU (Oceanic)	44 07.0	52 49.3
BODRA NU	62 17.0	80 00.0
BOFIN ON	48 43.1	93 31.7
BOGGI BC	49 08.5	122 47.5
BOGSO ON	45 01.5	82 25.9
BOJAM BC	52 06.3	117 42.9
BOKMA BC	54 31.2	131 38.9
BONAK BC	53 00.0	134 00.0
BONDE ON	47 15.9	83 43.6
BOOPY BC	50 06.0	124 35.5
BOOTH BC	49 31.3	122 02.7
BOPUT NU	68 57.6	61 56.5
BORAN YT	61 37.7	140 58.9
BORDN ON	44 20.9	80 19.7
BORNE ON	42 47.7	81 40.5
BORUB NL	52 32.4	63 07.4
BOSAM QC	45 03.0	73 55.0
BOTAD BC	58 38.2	131 59.6
BOTER NT	63 45.3	112 57.6
BOTHA AB	57 40.7	118 38.0
BOVEX ON	42 35.7	81 25.3
BRADD NS	43 09.0	67 00.0
BRETN ON	44 34.2	79 13.0
BRIDG NB	47 08.8	59 16.3
BRIOL BC	49 06.1	123 29.7
BROKK ON	42 19.9	81 34.9
BROME NL	53 30.0	67 00.0
BRUIN ON	43 39.9	76 06.9
BRYGE BC	50 41.8	123 06.2
BUBIX QC	49 19.7	67 22.5
BUICK BC	48 48.6	123 08.1
BULIE BC	50 16.2	120 04.6
BURWA ON	46 11.4	80 34.6
C	(N)LAT	(W)LONG
CAAPE NB	45 18.0	65 17.8
CABRA AB	54 54.4	
CACHO AB	54 54.2	112 34.2
CADIL NB	47 44.1	60 25.5
CAFIS ON	42 23.3	80 12.5
CAFTA BC	51 17.7	129 05.3
CAINN AB	51 16.9	114 10.7
CAJEN BC	55 32.3	121 24.2
CALCI NT	60 02.3	116 16.5
CALLY AB	55 07.9	113 23.4
CALON ON	43 54.1	80 07.8
CAMRA AB	53 01.9	112 30.5
CAMRE ON	41 55.5	82 12.7
CAMZO BC	48 47.0	123 32.1
CANEL NU	67 59.0	60 45.8

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C174 PLANNING

C (Cont'd)	(N)LAT	(W)LONG
CANIG NU	61 06.5	
CANOP AB	51 04.1	114 35.5
CANSO ON	48 09.7	
CANRY BC	49 09.0	
CANYO YT	60 25.5	
CARAC (Oceanic)	43 00.0	60 00.0
CAROT ON	49 05.8	82 21.0
CARPE (Oceanic)	53 05.0	54 05.0
CASDY BC	49 04.4	123 58.7
CASSL BC	52 32.6	122 44.9
CASTR QC	48 52.0	
CATOG QC	45 55.0	
CAUGA BC	49 28.2	
CEDRE ON	43 25.5	80 43.2
CEESE BC	49 40.2	
CEFOR ON	43 37.3	
CEFOU QC	47 44.2	
CELAR ON	45 13.8	
CERAW ON	44 39.3	
CETTY NS	44 55.6	
CHACE BC	50 41.0	
CHAPO YTCHAPT BC	64 58.4	141 00.0
CHARN NU	50 28.9 54 53.4	
CHATM BC		80 00.0
	48 26.9 48 52.0	
CHICA ON	53 22.2	
CHITE BC	50 02.8	116 09.1
CHUBB BC	53 26.4	122 33.1
CILLI BC	49 03.8	
CITOP AB	50 10.2	
CLANK AB	56 34.5	
COALE YT	60 27.3	135 10.5
COALL NT	80 00.0	141 00.0
COGLA ON	47 26.4	82 57.4
COGLE BC	49 04.6	
COHIL YT	60 06.5	
COHOE BC	49 56.4	125 24.8
COLOR NL	46 40.4	52 30.8
COLTS ON	42 57.8	
COMAU QC	45 22.6	
COMPR SK	51 45.2	
CONDI BC	48 34.3	
CONER BC	50 09.9	
COPAR NS	45 27.2	
COPUR NU	59 42.0	67 00.0
CORMO BC	50 32.6	126 58.8
COTLO NT	68 05.5	125 00.0
COUTS AB	49 00.0	112 17.5
COWLE AB	49 36.9	
CRABB (Oceanic)	42 12.8	
CREEB WA	48 13.0	
CROCE ON	45 25.3	
CRONO (Oceanic)	51 22.8	
CROSY AB	51 29.9	
CUDAS (Oceanic)	42 37.4	
CYMON NL	49 43.0	55 00.0

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

	C (Cont'd)	(N)I 4	AT	(W)LONG	
CYRIL ON	C (cont d)		58.2		18.0
	D	(N)LA	λT	(W)LO	NG
DACEY BC		59	33.6	126	04.6
DACIL ON		42	53.9	81	27.1
DAFLU ON		42	22.7	82	42.3
		52	09.4	114	04.7
		45	20.0		05.0
		52	19.1	101	08.8
			36.8		46.6
			15.9		09.4
		45	41.9		47.3
			45.0		00.0
			12.1		48.9
			00.0		00.0
			18.7		39.7
			29.6		03.7
,			02.4		00.0
			38.6		28.7
			09.1		14.4
			05.0		48.0
			47.7		36.4
			15.1		13.7
			54.3		55.1
			52.0		00.0
			05.3		
			54.9		29.3 45.9
, ,			30.2		04.1
			28.4		58.6
			20.0 31.4		00.0
					15.4
			16.3		26.2
			48.0		17.3
			24.0		10.7
			23.7		04.9
,			20.0		00.0
			12.8		39.2
			20.2		56.3
, ,			33.3		29.0
			38.0		35.0
			54.6		17.0
			43.5		23.9
			02.1		30.2
			39.7		0.00
			09.2		0.00
			51.0		39.4
			37.7		18.9
			34.5		22.0
			04.3		38.8
			34.4		00.0
			37.9		55.2
			08.7		25.0
			0.00		32.0
			02.5		27.0
		53	42.0	80	0.00
		60	18.3	130	0.00
		43	45.0		20.0
DUSUT ON		42	39.0	81	23.3

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C176 PLANNING

D (Cont'd)	(N)LAT	. ,
DUTAX BC	49 40.7	
DUTOK BC	48 45.9	123 43.8
DUVAG QC	48 33.5	68 48.4
DUVER NU	60 00.0	93 00.0
DUVIN NS	43 42.4	67 00.0
DUVNO AB	51 38.9	113 40.1
DUXAR BC	56 46.3	129 25.7
DYSON AB	50 34.6	114 40.0
E	(N)LAT	(W)LONG
EBDOG QC	47 59.5	78 38.9
EBDUS ON	44 29.4	77 37.5
EBGUT NT	63 29.3	
EBMAS AB	50 21.2	
EBNYR QC	45 45.5	75 23.6
ELERI (Oceanic)	42 34.5	64 23.4
ELIDI BC	50 00.4	123 36.9
ELKIE BC	54 32.7	120 46.5
ELTAX SK	51 57.4	105 35.7
ELTEX BC	56 54.0	125 00.0
ELUNA AB	53 04.2	114 37.2
ELVEL ON	51 00.0	90 00.0
	43 05.6	
EMBRO ON		80 47.5 119 47.5
EMETO BC	49 24.8	
EMSOW AK	62 57.5	141 00.0
ENGLE (Oceanic)	42 07.6	63 24.6
EPINE BC	55 43.5	121 16.7
EPLED NU	66 33.2	110 00.0
EPLUR AB	51 50.5	113 35.4
EPMAL QC	48 22.6	68 35.9
EPMAN NU	66 00.0	60 00.0
EPTIR SK	57 54.4	102 22.3
EPTIV BC	52 00.0	133 00.0
ERRTH ON	42 11.4	81 56.2
ERVYN BC	49 31.8	117 02.5
ETBOG NL	47 38.8	52 17.0
ETCHL ON	43 21.1	81 24.3
EXPOS QC	52 00.0	67 00.0
F	(N)LAT	(W)LONG
FADIM NT	60 04.2	116 15.4
FANES YT	64 35.0	141 00.0
FANOL ON	45 26.4	75 23.3
FAREN MB	50 10.0	99 52.5
FARNS AB	50 45.2	115 23.8
FASBO BC	49 22.5	123 22.8
FASSA NU	58 42.0	67 00.0
FAXTO BC	49 04.6	123 29.6
FEDDY NU	61 42.0	67 00.0
FELKO BC	50 34.4	119 42.0
FELTN ON	48 39.9	89 05.6
FENEL BC	50 27.5	126 45.3
FERNO ON	50 27.5 51 38.9	
FERRY BC	49 11.5	92 52.4
FIGGI BC	54 16.2	122 31.8
FILLE AB	51 25.1	112 08.6
FINBO BCFINGL ON	49 16.5	
I INGL OIV	42 45.4	81 19.4

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

		1 1 1 1	111110 0177
F (Cont'd)	(N)LA	<b>\</b> Τ	(W)LONG
FINGS BC	50	15.0	127 34.0
FINNI NL	49	00.1	57 44.4
FIORD YT	65	46.2	141 00.0
FIRNI BC	49	35.2	115 08.4
FIRON QC	45	50.6	74 43.0
FLEUR QC	46	59.3	70 27.8
FLINE ON		00.2	79 59.7
FLOON BC		00.3	120 42.3
FOCHE BC		03.9	124 47.8
FOCUS (Oceanic)		30.0	60 00.0
FOLDY BC		03.1	120 42.7
FORTE NB		16.8	57 39.6
FOWEL ON		36.1	80 09.5
FOXXE NL		29.2	59 17.3
		55.6	80 53.0
FRAIX OC			
FRANX QC		15.1	74 12.5
FRASE BC		13.5	122 47.2
FRAZR NL		37.0	62 43.0
FREND BC		17.6	122 29.9
FRENN NB		56.0	66 11.2
FRIED BC		13.3	133 38.0
FROSS NL		09.2	61 14.5
FRUMP ON		30.3	81 39.1
FUDGY AB	52	13.1	110 00.0
	4111	_	### ONG
G	(N)LA		(W)LONG
GABAL BC		00.5	123 01.5
GABUL BC		14.0	130 00.0
GABIN BC		56.7	120 57.9
GABRO NT		13.6	110 00.0
GADAL QC		05.8	71 04.7
GADRU ON		08.3	90 00.0
GAHAM YT		15.0	141 00.0
GARRE BC	49	54.4	122 28.0
GELLE AB	52	32.5	114 09.0
GELLS QC	51	20.9	72 30.0
GERTY ON	49	12.0	93 30.0
GIBAC BC	49	29.1	123 42.9
GLACE BC	50	11.4	122 25.9
GOATE BC	49	26.9	119 05.6
GOATS YT	66	50.2	141 00.0
GOEFR BC	49	29.1	122 49.0
GOLFE NL	52	15.8	63 26.1
GONUK AB	54	18.6	113 20.0
GOOSS ON	42	40.8	82 00.2
GOPEV ON	43	44.0	78 53.0
GORAK SK	49	57.0	104 08.0
GOREK NT		44.2	114 05.6
GOROV BC		18.4	133 00.0
GOSAR ON		48.2	77 27.9
GOTOL AB		44.8	118 47.3
GOVAB MB.		36.0	99 58.0
GOVAT QC		32.2	78 46.4
GOVAT QC		32.7	76 46.4 95 48.9
GRAND AU		40.0	80 00.0
GRAND NU		42.2	80 00.0
GRASE BC		45.2	119 51.1
GRAVO ON	50	0.00	87 41.0

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C178 PLANNING

G (Cont'd)		<b>\T</b>		
GRAYY NB		44.8		42.6
GRETO AB		32.7		12.8
GRIBS NU		30.0	63	00.0
GRIBY ON	47	45.3	86	15.6
GRIMS ON	43	07.8	79	43.9
GRONG AB	53	22.5	114	19.3
GRUPI (Oceanic)	43	52.0	58	50.3
GUBAK NU	60	0.00		00.0
GUCHY BC		27.2		32.0
GUPEY (Oceanic)		42.0		15.0
н	(N)LA	ΔŦ	(W)LO	NG
HADAR ON		21.9		29.0
HADER BC		08.3		29.7
		12.6		
HAGLE MB				10.0
HALAM BC		30.2		01.8
HALBY ON		11.3		52.5
HANDA AB	50	54.0	114	47.8
HANRY BC	54	36.4	131	05.6
HARAS BC	49	16.7	122	02.9
HARUN NT	66	46.5	125	00.0
HAYDN AB	50	28.0	114	12.9
HECKK (Oceanic)		13.2		22.1
HEGEL ON		34.9		29.0
				15.4
HEIMS ON		40.7		
HEIRE BC		54.0		03.9
HELMO QC	56	00.9		00.0
HEMMI NB	45	03.6	55	32.0
HEMPP AB	51	31.5	114	37.0
HENDY QC	51	07.3	74	14.7
HENSL ON	43	31.6	81	33.2
HIDIG NS	44	40.7	64	01.2
HIDIN BC		49.5		00.9
HIMEZ ON		51.0		12.1
HINGE QC		24.5		00.0
		05.1		
HITOR QC				42.0
HOGAR AB		21.3		39.7
HOKKE ON		34.1		32.5
HOSTE ON	45	04.7	78	15.5
HOWSE BC	54	09.8	120	10.2
HOWZR BC	50	32.1	116	16.1
HUMEK BC	50	21.3	119	18.3
HUMUS QC	45	04.5	74	04.5
HUSAR AB	51	04.3		41.6
HUTON BC		51.4		41.4
HUXLY ON		54.7		38.3
ı	/NINL /	т.	(1401.0	NC
ICOLA BC	( <b>N)L</b> 4 50	10.2	( <b>W)LO</b> 120	21.1
IDNEY BC		38.5		24.3
IGSEL BC		13.7		00.0
IGTAS NS		04.8		59.6
IGVER ON		22.8		08.4
IKBAK BC		46.6		23.6
IKBUN NL		48.0		03.9
IKMAN NU	62	30.0	63	00.0
IKMUS BC	53	59.1	123	03.9
IKNAL QC	58	15.9	67	43.1

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

I (Cont'd)	(N)LAT	(W)LONG
ILATU NT	61 04.0	. ,
ILIBA ON	44 35.0	
ILIXU ON	44 02.0	
ILUGO QC	50 19.3	
IMPOR WA	48 37.7	123 07.5
INHAM BC	49 03.1	125 27.5
IRBIM NL	58 39.2	60 32.0
IRGIP YT	60 02.7	134 10.5
IRLAV NU	57 58.5	80 00.0
ISTON ON	43 09.2	79 04.2
ITGAV BC	51 00.0	132 00.0
ITNOT NT	61 43.3	113 38.5
IWACK WA	48 55.9	120 50.2
J	(N)LAT	(W)LONG
JAGIT YT	60 57.6	141 00.0
JAINE BC	49 31.1	124 17.3
JANEK BC	49 40.6	122 29.6
JANOA ON	44 57.8	78 09.3
JAROM (Oceanic)	44 10.0	54 53.0
JARRO ON	48 00.0	83 26.0
JARVS ON	42 44.4	
JEBBY (Oceanic)	43 04.3	
JEDII AB	53 05.0	
JELCO NU	60 42.0	
JESRU NT	74 56.8	
JIBNA ON	41 54.9	
JIGGS NB	47 25.2	
JIMMS BC	51 19.5	
JINNA AB	54 56.5	
JLGON ON	42 34.8 45 44.8	
JOFFS ON	45 44.6 49 13.7	
JOVIE NL	54 10.0	67 00.0
JOWEN (Oceanic)	54 05.0	
JULET NU	72 45.7	
JULLY BC	49 28.5	
JUNIS QC	46 47.3	
К	(N)LAT	(W)LONG
KAGLY NU	63 30.0	
KAIIN MB	52 20.4	
KALLU ON	51 35.5	94 55.8
KALTS BC	53 37.3	133 48.3
KANEE BC	49 48.9	117 26.5
KANNI NS	42 38.0	67 00.0
KANOO BC	51 28.3	122 16.2
KANUA (Oceanic)	47 41.5	129 46.1
KANUR ON	45 24.2	75 08.5
KAPUX ON	45 04.8	79 45.0
KASIX AB	49 47.0	113 33.0
KATCH (Oceanic)	54 00.0	136 00.0
KATEN SK	49 00.0	106 00.0
KATSY ON	43 01.5	
KAVPO NL	54 29.9	
KAXOM AB	51 14.6	
KEBEV NS	46 18.2	
KEDEK SK	57 43.4	107 26.3

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C180 PLANNING

K (Cont'd)	(N)LAT	Г	(W)LO	NG
KEDGE MB	50 1		99	18.7
KEGLU MB	56 2	24.4	90	0.00
KEINN BC	49 4	19.0	123	43.9
KELMU NU	59 1			0.00
KELSY BC	50 2			04.0
KELVI QC	45 (			12.9
KEMDU SK	50 2	25.9	106	44.5
KEMSA NU	56 5	50.3	80	0.00
KENDI ON	43 4			00.3
KENGA AB	53 1			08.2
KENKI NU	65 (			0.00
KENPA ON	44 4			23.6
KENPU NU	62 2			0.00
KENRI NL	59 (			52.6
KEPKA QC	45 5			39.7
KEPKO BC	50 (	0.00	131	0.00
KEPNA BC	49 4	14.5	120	21.8
KERGI BC	49 2	27.8	124	10.1
KERNU QC	48 1	10.5	78	07.2
KESDA BC	59 (	)4.7	120	0.00
KESTA BC	49 1	15.0	121	0.00
KETTL BC	49 5	59.0	118	19.1
KEVBO SK	56 5	55.3	104	0.00
KEVLU NS	44 2	20.8	64	07.0
KEVNA BC	51 (	0.00	126	30.0
KEVNO NU	71 3	35.0	90	0.00
KEVPO BC	58 (	)1.6	130	0.00
KICKS ON	44 2	20.7	80	27.8
KISKK BC	55 1	12.8	120	46.0
KITAR YT	60 (	0.00	135	0.00
KITOK ON	43 (	)1.4	81	55.3
KITOL YT	70 3	30.0	135	0.00
KITAV NT	63 5	51.0	122	50.0
KIXIR ON	44 (	08.9	76	20.7
KLANT ON	44 1	12.1	82	09.0
KLIPS QC	57 4	12.0	67	0.00
KLOPS ON	43 3	35.7	78	47.7
KNEIL BC	49 5	55.6	115	08.6
KOBEV (Oceanic)	49 4	10.2	51	28.0
KONCH NL	51 4	18.0	60	13.0
KRAKE QC	45 2			18.6
KRANG ON	48 5			29.4
KURTT (Oceanic)	50 1	12.0	131	53.0
KYUGA ON	42 5	59.8	80	04.0
ı	(ALVI AT	-	(1401.0	NC
L	(N)LA1		(W)LO	
LABRE QC	46 4			56.2
LACTO ON	51 1			42.1
LAFIT ON	45 1			27.7
LANNE DO	57 5			16.0
LANDE BC	49 1			39.1
LANRK ON	44 5			22.6
LEAKY ON	44 4			11.0
LEATS SK	51 4			25.2
LEFAL BC	49 4			49.5
LENIM NU	75 4			27.2
LENOL ON	44 1			09.8
LENOT NU	67 3	50.0	100	0.00

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

L (Cont'd)	(N)LAT	(W)LONG
LEPEN QC	45 45.3	3 74 33.4
LEPET BC	56 25.	120 16.3
LEPOR QC	49 13.	2 72 37.5
LERAK ON	44 03.	3 78 31.0
LERUP AB	53 57.	113 40.9
LESUB ON	43 01.	80 33.0
LETOV YT	61 01.	130 00.0
LETRM AB	55 53.	3 111 45.8
LEVUM NB	46 14.0	
LEXAK NL	47 24.0	
LEXOD QC	48 31.	
LEXON AB	55 07.	
LIAND QC	45 04.	
LIANO BC	48 53.	
LIBEN QC	59 48.	
LIBOG BC	49 27.	
LIBUG AB	59 30.	
LIDEB NU	68 15.	
LIDON SK	56 20.	
LIDUL BC	53 03.	
LIEKY BC	52 45.	
LINGO (Oceanic)	53 00.	
LINNG ON	43 18.	
LINSY ON	44 22.	
LITGO SK	56 08.	
LITRO ON	53 21.	
LLEEO ON	41 50.	
LOACH (Oceanic)	55 31.0	
LOCAN BC	49 30.	
LODMI NU	60 00.	
LOGLI QC	45 04.4	
LOGSU (Oceanic)	48 46.	
LOKBU QC	46 06.	
LOMPI (Oceanic)	44 00.	
LONDO AR	57 12.	
LONRO AB	52 37.	
LOONY AB	50 30. 50 33.	
LOPRO NL	48 43.4	
LOPVI QC	59 16.	
LORKA QC	45 39.	
LORNA SK	51 39.	
LORNE ON	48 40.4	
LORVO BC	51 29.	
LOYED ON	45 04.	
LUBIC AB	56 22.	
LUMBY BC	50 21.	
LUNGE ON	47 33.	
LYTON BC	50 15.	
М	(N)LAT	(W)LONG
MAARS ON	42 05.	
MACAR BC	49 28.	
MACCS ON	42 01.	
MADYN AB	51 29.	
MAIPL BC	49 14.	
MAIRE QC	45 42.	
MALPE PE	46 43.	
WW VET E 1 E	70 73.	00 27.2

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C182 PLANNING

M (Cont'd) MALPY BC	(N)LAT 51 13.	(W)LONG 3 118 57.1
MALTN ON	43 43.	
MANJO (Oceanic)	52 00.	
MANUP ON	52 02.	
MAVOD ON	45 04.	
MAZNA ON	44 57	
MCKEE QC	56 40.	
MEDPA NU	72 39.	
MEETO SK	53 35.	
	52 48.	
MEMSO QC	56 47.	
MENKI SKMERBA NT	61 42.	
MERCH AB	57 12.	
MEREE NT	61 05.	
MERKA ON	54 05.	
MERTO ON	43 52.	
MERYT BC	49 56.	
MESBO AB	54 49.	
MESDA ON	43 49.	
METPA (Oceanic)	53 00.	
MIBNA NU	60 05.	
MIBNO NL	60 35.	
MIBTI BC	51 26.	6 121 12.8
MICHE QC	45 15.	3 73 43.5
MIGLI NL	49 31.	6 58 14.8
MIILS NB	46 52.	4 67 02.9
MILLS BC	49 14.	4 122 54.1
MISAX ON	50 30.	0 90 00.0
MITEK BC	53 46.	0 129 50.8
MITOM BC	58 19.	2 131 32.0
MIVAX QC	47 26.	4 70 09.6
MOATT (Oceanic)	58 01.	5 59 55.7
MOAWK ON	42 45.	0 79 51.0
MOBRY BC	55 46.	0 121 44.9
MOCHA BC	54 30.	2 133 01.9
MODAS QC	48 17.	8 68 43.6
MODDY BC	49 21.	8 122 50.3
MOFAT QC	49 10.	8 73 00.0
MOGAG ON	51 15.	7 82 15.8
MOGUS BC	49 17.	2 122 32.8
MONKK ON	45 13.	0 80 40.3
MOONN ON	42 22.	2 82 27.1
MOORR BC	49 56.	3 119 02.4
MOOTO AB	53 52.	
MOOZE BC	55 20.	
MOWND NB	45 22	
MUNBI QC	48 06.	
MUNBO NL	52 07.	
MUPUX ON	44 38.	
MURLO NL	44 05.	
MUROP QC	46 06.	
MURUM ON	43 40.	
MUSCA ON	41 55.	
MUSKK MB	50 25.	
MUSPO (Oceanic)	42 27.	
	64 00.	
MUXAT BC	57 38.	4 130 34.9

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

M (Cont'd)		( <b>W)LONG</b> ) 123 51.1
MYPAL ON		
WITT AL ON	72 49.3	79 10.5
N	(N)LAT	(W)LONG
NAAPP BC	53 53.3	125 26.4
NABLO ON	43 40.3	82 01.5
NABOG QC	48 25.5	77 48.5
NADEB NT	62 48.4	107 55.1
NADMA NU	71 04.0	64 55.6
NAKBI (Oceanic)	52 00.3	3 133 44.0
NAKTO NT	61 41.7	7 115 06.1
NALDI NU		
NANOO BC	49 15.9	9 124 14.7
NANSO NL	44 29.3	3 56 04.3
NAPEE QC	45 10.4	73 40.2
NAPLO NL	50 13.6	58 45.9
NARRY AB	54 28.5	119 49.7
NEWTN BC	49 09.3	3 122 46.2
NILLA BC	53 47.4	131 05.0
NILTT SK	50 52.9	105 01.5
NOIRE QC	45 25.6	74 07.8
NORAB SK	49 15.0	104 10.0
NORCH ON	43 00.6	80 21.9
NORUS QC	51 53.3	66 37.0
NOTAP ON	45 12.5	82 28.5
NOVEP (Oceanic)		7 51 00.0
NOWAA QC	50 48.8	3 73 42.0
NOWAH ON	43 00.4	81 31.2
NOXAN BC	59 54.9	120 00.0
NUBEG AB	54 16.9	113 59.1
NUBEM ON	43 41.2	80 50.1
NUDET AB	52 55.0	111 22.4
NUDGE (Oceanic)	51 00.0	134 24.0
NUGAM MB	59 09.3	99 24.0
NUTBE BC	49 19.6	123 36.5
NUTBY NS	45 41.3	63 14.8
NUPPS AB	53 08.8	3 113 30.3
NUVVE AB	50 43.9	114 08.3
0	(N)LAT	(W)LONG
OAKVL ON		
OBRET QC		
OBTOT BC		
OBVAN QC		
OCTAS ON		
ODGOV SK	50 35.9	
ODKAP QC	50 53.0	
ODLAS QC		
OKOPO QC	45 43.5	72 57.7
OLAVO QC		72 10.0
OLDMA AB		
OLESU QC		63 15.8
OLOKA QC		68 20.9
OMAGA ON	46 03.7	
OMBRE QC	45 44.8	3 72 45.7
OMEKA NT	78 10.6	141 00.0
OMLOK BC		130 00.0
OMROD AB	53 00.3	113 05.6

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C184 PLANNING

O (Cont'd)	(N)LAT	(W)LONG
OMSUN YT	61 20.2	141 00.0
OMVIN BC	48 49.0	124 04.4
ONDET AB	54 34.5	118 17.8
ONDUS BC	51 39.0	117 19.0
ONDOB QC	45 39.4	76 25.9
ONGAG SK	57 05.6	104 05.6
OPALE AB	50 51.2	114 59.6
ORNAI (Oceanic)	50 00.0	133 23.9
OTAKU NU	63 07.0	68 52.0
OTEPI AB	55 00.1	119 14.7
OTIKA BC	49 15.6	123 41.7
OTNOT YT	62 39.3	130 00.0
OTRIK AB	58 44.3	110 50.1
OVAGU NU	86 48.0	90 00.0
OVBES NU	87 00.0	60 00.0
OVDON NT	83 43.0	130 00.0
OVUNI QC	48 18.3	78 31.6
OYSTR (Oceanic)	53 52.0	54 58.0
Р	(N)LAT	(W)LONG
PAIRY ON	45 28.1	81 01.6
PARQE AB	53 43.3	119 29.2
PAULO NS	45 15.2	63 20.1
PEKMO NT	80 07.7	130 00.0
PEKRO, NL	53 09.4	64 06.2
PELEE NU	52 55.0	80 00.0
PELRI NU	85 00.0	60 00.0
PELSI QC	58 05.0	67 00.0
PEMLU ON	50 47.0	80 00.0
PENDO ON	44 24.9	79 48.4
PENDR BC	48 44.5	123 16.6
PEPKI NL	59 44.0	61 37.0
PEPRA NL	44 56.2	56 13.9
PERKO ON	47 29.7	81 55.0
PERTH ON	44 33.5	76 42.3
PESAC QC	46 32.9	72 11.2
PESLA ON	46 42.6	84 08.9
PETMA SK	56 05.6	106 03.1
PETPA (Oceanic)	51 00.3	132 41.2
PEVNI AB	51 02.0	115 03.2
PEVRA SK	58 23.5	109 37.0
PICES ON	42 46.7	82 11.1
PIGEN AB	51 02.0	114 37.7
PIGLA NU	54 20.0	80 00.0
PIGLI ON	43 08.4	80 28.9
PIGLU BC	48 38.7	123 54.4
PIGSO NU	84 45.0	90 00.0
PIKMO ON	54 38.0	90 00.0
PIKNA QC	50 52.0	59 15.0
PILPA NT	62 42.0	112 44.8
PINTE QC	46 26.6	70 02.2
PNASK BC	49 45.4	119 58.0
POLLE SK	54 46.5	103 50.0
POLTY QC	45 54.0	75 48.7
POPLR MB	52 42.6	97 38.5
PORGY (Oceanic)	56 19.0	58 05.0
POTAT YT	67 56.1	141 00.0
POWOL BC	50 12.3	124 44.7
	30 12.0	

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

			1111110	. 00
P (Cont'd)	* *	<b>AT</b> 9 25.5	(W)LONG 95 4	
PRAWN (Oceanic)		12.2	59 1	
PRETY (Oceanic)		0.00	132 20	
PRYCE BC		14.3	128 4	
PULRE ON		17.8	82 5	
PUTOL ON		3 29.1	79 00	
				0.0
Q	(N)L	ΑT	(W)LONG	G
QUBIS NB	47	32.0	67 40	6.0
R	(N)L	ΑT	(W)LONG	3
RAFIN (Oceanic)	44	53.0	51 48	
RAGUR AB	54	56.0	115 27	.0
RAKAM ON		01.3	76 29	.7
RANGR ON	47	10.8	83 18	.5
RAPID BC		14.5	121 34	.2
REDBY NL		15.0	56 36	.1
REDDR AB		2 07.8	113 52	
REEDO ON		42.2	75 58	
REFEX SK		42.1	110 00	
REFIO AB		59.0	114 18	
RENNY NB		24.8	61 49	
RESUM NT		14.7	141 00	
REXOM ON		55.0	78 41.	
REZIN QC		43.6	78 13	
RIBIR ON		18.9	84 07	
RIBIT BC		54.3	129 55	
RICKI, ON		03.5	81 54	
RICPO ON		13.4	82 41.	
RIDOK SK		25.7	106 32	
RIONA ON		28.0	92 33	
RISKE BC		20.0	122 48	
ROBBE QC		08.6	70 00	
RODBO NU		05.0	65 10	
RODLU NT		22.8	130 00	
ROFFO AB		24.0	119 00	
ROGSA QC		07.4	71 41.	
ROGSO NU		10.9	69 00	
ROGVU QC		51.1	68 12	
ROKMA NT		33.8	110 00	
ROKTO ON		30.6	80 11	
ROLKO AB		59.9	111 10.	
ROLLA BC		45.8	120 00	
ROMDA SK		20.6	102 26	
ROMDI NU		04.2	90 00	
		30.7		
RONCH BC			122 27	
RONPO (Oceanic)		52.6	51 00	
RORMA MB		56.4	96 43	
RORTU BC		06.2	121 41.	
ROSLI AB		00.5	113 56	
ROUKE (Oceanic)		00.0	131 32	
ROUND QC		15.0	75 02	
ROVNA AB		22.4	118 32	
ROYST BC		35.5	125 07	
RUBDA NL		47.7	56 32	
RUBKO NL		20.0	60 58	
RUDGA NU		20.0	65 00.	
RUDVI SK	49	0.00	105 00.	.0

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C186 PLANNING

DINAN' DO	R (Cont'd)	(N)LAT	
RYLEY AB		53 16.4	112 19.2
	_		
	S	(N)LAT	(W)LONG
SAFOL BC		49 04.6	122 42.0
SASID QC		46 00.6	75 40.0
SATIS QC		50 25.3	59 58.9
SATUL AB		50 40.4	113 30.7
			117 30.0
			55 52.0
, ,			122 22.1
			100 00.0
			80 02.0
			107 08.3
SEFIX BC		48 44.6	126 42.5
SEGAN ON		50 00.0	89 20.0
SEKAP NT		61 58.4	122 50.0
SEKIK AB		56 55.5	111 55.2
			78 00.0
			112 50.1
			67 00.0
			60 43.0
			66 53.0
			130 00.0
SHAIK QC		51 33.5	66 32.8
SHARB ON		44 44.2	76 53.9
SHARD BC		49 19.4	122 32.6
SHAWI SK		51 15.6	110 00.0
			77 47.0
			90 00.0
			125 09.5
			130 00.0
			116 47.1
, ,			131 42.6
			128 25.6
SIMTO QC		47 03.4	70 49.8
SINVU NU		76 51.6	75 36.4
SKAHA BC		49 25.1	119 35.1
SKANI BC		55 39.4	122 38.2
SKYPO BC		49 43.1	123 07.9
			110 00.0
			78 09.8
			75 00.0
			122 29.2
			126 54.6
SOKYE QC			72 51.1
SPAIK YT		60 32.4	132 14.4
SPALD ON		49 14.7	82 53.4
SPARD BC		55 26.4	122 16.1
SPHRE ON			82 04.2
			130 04.9
			115 27.4
			80 52.8
SPUZZ BC		49 46.5	121 23.8
SPYSR BC		53 40.8	130 11.4
SQUIM BC		48 14.7	123 27.8

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

-					
00111111 5::	S (Cont'd)	(N)LA		(W)LOI	
			57.6		33.1
			27.0		04.4
			03.0	118	
STAHL BC			43.0	121	25.2
STAVE BC		49	24.1	122	20.9
STEAM NL		52	59.9	57	20.6
STIGS AB		49	00.0	113	34.4
STOAN BC		50	30.0	120	59.3
STUMM BC		50	21.3	119	51.0
SULRY BC		49	49.7	124	12.1
SUTKO NL		46	31.0	56	49.3
SUTNO NT		75	24.0	110	0.00
SUVAK BC		50	34.9	119	12.9
SWALE BC		51	02.6	118	15.3
	Т	(N)LA	λT	(W)LO	NG
TADAB ON		. ,	34.8		38.1
			00.0		0.00
		62	26.9		59.2
TAFFY NB		47	22.4	67	18.2
		57	08.3	112	04.9
		47	10.7	57	04.7
		50	52.9	96	11.7
		54	09.2		0.00
TALIS ON		44	02.8	82	07.6
	)	48	57.3		48.2
•	,	62	00.0		0.00
			00.0		54.1
			22.2	90	0.00
			56.0		0.00
TASLI ON		55	13.3	85	0.00
TASTI NL		52	39.8	61	39.2
TATMA NT		64	30.0	115	0.00
TAVRI NT		76	56.7	130	0.00
TAYTA NT		71	33.7	141	0.00
TEALS QC		55	38.9	67	0.00
TEFFO NU		62	48.0	67	0.00
TETAG AB		54	04.3	114	08.0
TENYA BC		49	50.4	118	44.4
TESAK BC		49	31.0	117	04.5
TETOS ON		43	18.6	80	39.3
TEXUN NL		53	00.0	61	51.0
THIBO QC		45	54.3	73	32.5
THORL ON		42	59.1	79	45.6
THURO ON		45	31.9	74	56.5
THYNE BC		49	37.0	120	45.6
TIBOY AK		63	01.0	141	0.00
TIBUD ON		45	34.5	81	26.7
TIKID AB		57	45.2	110	0.00
TILAX AB		53	08.7	114	08.1
TOBIC ON		43	38.7		34.9
		44	11.1	79	43.4
			25.0		40.0
			21.4		51.9
			26.1		14.2
			55.0		30.4
			00.0		0.00
TUFAX QC		46	36.5	75	24.7

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C188 PLANNING

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

V (Cont'd)	(N)LAT	(W)LONG
VOKAR NL	53 30.0	62 34.0
VOKUL SK	54 08.5	105 01.3
VOKET QC	51 30.0	67 00.0
VOLOB YT	70 30.0	141 00.0
VUCAN AB	50 27.2	113 19.7
w	(N)LAT	(W)LONG
WACAL BC	54 06.1	130 39.0
WALAC ON	45 46.7	82 03.6
WALPP ON	44 31.6	80 45.2
WALSH AB	50 03.6	110 00.0
WALUP BC	53 47.6	120 34.2
WASEN BC	51 34.7	117 13.0
WASIE ON	44 05.5	79 17.3
WELLA ON	42 50.8	79 09.8
WELLF BC	50 54.5	116 36.1
WEPIL ON	42 20.2	82 38.7
WESEX AB	51 29.7	113 57.1
WHATS BC	49 58.0	118 16.3
WHIST SK	49 55.9	102 40.9
WHORT BC	49 44.5	120 21.9
WIGHT BC	50 42.0	122 46.2
WIGNO BC	51 41.4	122 47.0
WILKY SK	52 32.3	108 29.1
WINZZ ON	42 34.9	82 31.7
WOFFI BC	49 58.2	116 08.6
WOLIS ON	42 37.6	81 34.7
WOPAC QC	48 39.6	67 18.7
WRANG ON	45 25.4	76 58.1
WTMAN BC	50 15.2	119 25.2
WYLDE AB	53 36.9	114 53.6
Υ	(N)LAT	(W)LONG
YARRO BC	49 04.3	122 02.9
YOUNG SK	51 51.3	105 06.4
YOUTH ON	43 23.0	79 25.0

Effective 0901Z 20 November 2008 to 0901Z 15 January 2009

C190 PLANNING

#### **AERONAUTICAL CHART DISTRIBUTORS**

**BRITISH COLUMBIA** 

Vancouver: Pacific Flying Club, Boundary Bay Airport #96-4400,

72 Street Delta, BC V4K 5B3

www.pacificflying.com sales@pacificflying.com Tel: (604) 946-0011 Fax: (604) 946-0821

**ALBERTA** 

Calgary: Calgary Pilot Supply Ltd., 435 McTavish Rd NE Calgary, SW AB T2E 7G4

www.pilotshop.ca

Tel: (403)296-0096 Fax: (403)296-0099

Map Connection Distributors, 100-400 5th Avenue SW, Calgary, AB, T2P 0L6

www.mapconnection.com

Tel: (403)266-2241 Fax: (403)266-2356

**MANITOBA** 

Winnipeg: Manitoba Conservation, 1007 Century Street, Winnipeg, MB, R3H 0W4

Tel: (204)945-6670 Fax: (204)945-1365

Toll Free: 1-877-627-7226

**ONTARIO** 

Toronto: Federal Maps Inc., 425 Adelaide Street W., Suite 802, Toronto, ON, M5V 3C1

www.fedmaps.com

Tel: (416)607-6250 Fax: (416)352-1631

Toll Free: 1-888-545-8111

Breslau: Hammond Aviation, 79 Woolwich St. S., Unit #2, Breslau, ON, N0B 1M0

Toll Free:1-888-256-1106

QUÉBEC

Montréal: Aux Quatre Points Cardinaux Enr., 551 Ontario Est, Montréal, QC, H2L 1N8

aqpcinc@yahoo.ca

Tel: (514)843-8116 Fax: (514)843-9644

Toll Free: 1-888-843-8116

St. Bruno: VIP Pilot Centre, 1375-12 Marie-Victorin, St-Bruno, QC, J3V 6B7

Info@vippilot.com www.vippilot.com Tel: (450)461-1888 Fax: (450)461-1489

Toll Free: 1-800-361-1696

UNITED STATES OF AMERICA

OHIO (OH)

Sporty's Pilot Shop, Clermont County Airport, Batavia, OH, 45103

www.sportys.com

Tel: (513)735-9100 Fax: (513)735-9200

Toll Free: 1-800-776-7897 (US Only) Toll Free Fax: 1-800-543-8633

ALASKA (AK)

Northern Lights Avionics, 940 Merrill Field Dr., Anchorage, AK, 99501

Tel: (907) 277-4811 Fax: (907) 278-6651

Toll Free: 1-800-478-4811

WASHINGTON (WA) Aviation Book Company, 7201 Perimeter Rd S., Suite C, Seattle, WA, 98108

Tel: (206) 767-5232 Fax: (206) 763-3248

Toll Free: 1-800-423-2708