

EFFECTIVE 0901Z **12 SEPTEMBER 2019**
to 0901Z 10 OCTOBER 2019

AIP CANADA (ICAO)

Supplements

Published by NAV CANADA in accordance with ICAO
Annexes 4 and 15 of the Convention on International Civil Aviation

© 2019 NAV CANADA All rights reserved

Source of Charts and Maps:
© 2019 Her Majesty the Queen in Right of Canada
Department of Natural Resources

AIP CANADA (ICAO) SUPPLEMENT SUMMARY 5a/19

(Supersedes all previous summaries)

The following supplements are in effect:

- 51/14 Ontario Region—Laser Projection in the Vicinity of Egbert, Ontario—May 31, 2014 to May 31, 2019 (Replaces AIP Supplement 25/09)
- 43/15 Quebec Region—Construction of a Wind Turbine Farm (Belle-Rivière)—St-Gédéon (Lac St-Jean), Quebec—Spring to Fall 2016
- 15/16 Quebec Region—Technocentre éolien Wind Turbine Farm—Rivière-au-Renard, QC—March 2016—December 2018
- 32/16 Crane—Toronto, Ontario
- 40/16 Blasting Activity—Fort St. John, British Columbia
- 1/17 Crane—Toronto, Ontario
- 3/17 Luffing Crane—Toronto, Ontario
- 4/17 Blasting Activity—Fort St. John, British Columbia
- 5/17 Blasting Activity—Mackenzie, British Columbia
- 11/17 Quebec Region—Mont Sainte-Marguerite, QC Wind Turbine Farm—June 2017 – January 2021
- 12/17 Multiple Cranes—Toronto, Ontario
- 13/17 Multiple Cranes—Toronto, Ontario
- 23/17 Construction Work at Montréal—Pierre Elliott Trudeau International Airport (YUL)—Summer 2017
- 25/17 Crane—Toronto, Ontario
- 28/17 Crane—Edmonton, Alberta (Replaces AIP Supplement 21/17)
- 32/17 Amendments to: *Canada Flight Supplement (CFS)* and *Canada Water Aerodrome Supplement (CWAS)*
- 34/17 Multiple Cranes—Toronto, Ontario
- 35/17 Tower Crane—Waterloo, Ontario
- 37/17 Multiple Cranes—Fort Saskatchewan, Alberta
- 40/17 Tower Crane—Edmonton, Alberta (Replaces AIP Supplement 36/16)
- 43/17 Adjustments to Southern Boundary of CYA188 (A)(T)—Glen Valley, British Columbia
- 49/17 Multiple Cranes—Toronto, Ontario
- 1/18 Five Blasting Areas—Wivenhoe, Manitoba (Replaces AIP Supplement 4/16)
- 2/18 Crane—Edmonton, Alberta
- 5/18 Multiple Cranes—Toronto, Ontario
- 6/18 Multiple Cranes—Toronto, Ontario
- 9/18 Crane—Toronto, Ontario
- 10/18 Multiple Cranes—Toronto, Ontario
- 11/18 Meteorological Tower—Arviat, Nunavut
- 16/18 Construction at Montréal/Pierre-Elliott-Trudeau International Airport (CYUL)
- 17/18 Mobile Cranes—Grande Prairie, Alberta
- 18/18 Pavement Rehabilitation Work—Baie Comeau Airport (CYBC)—Summer 2018

- 20/18 Crane—Toronto, Ontario
- 21/18 Mobile Crane—Calgary, Alberta
- 23/18 Frequency Change—Trois-Rivières, Quebec (CYRQ)
- 24/18 Blasting Zone—Bloodvein, Manitoba (Replaces AIP Supplement 37/12)
- 25/18 Multiple Cranes—Toronto, Ontario
- 26/18 Adjustment to the Canada Air Defence Identification Zone (Replaces AIC 2/18)
- 28/18 Crane—Calgary, Alberta
- 30/18 Multiple Cranes—Toronto, Ontario
- 31/18 Crane—Maidstone, Saskatchewan
- 32/18 Tower Crane—Toronto, Ontario
- 33/18 Multiple Cranes—Mississauga, Ontario
- 34/18 Construction Equipment—Nisku, Alberta
- 39/18 Multiple Cranes—Toronto, Ontario
- 40/18 Multiple Cranes—Toronto, Ontario
- 42/18 Ontario Region—High-Altitude Research Balloon Flights—Victor M. Power Airport (CYTS), Timmins—August 5 to 30, 2018
- 43/18 Multiple Cranes—Saskatoon, Saskatchewan
- 44/18 Rehabilitation Work: Lac-Etchemin, Quebec (CSC5)
- 45/18 Crane—Toronto, Ontario
- 46/18 New Visual Flight Rules Procedures for Arrivals and Departures at the Montreal/St-Hubert Airport (CYHU)
- 48/18 Multiple Cranes—Toronto, Ontario
- 49/18 Mobile Crane—Conklin, Alberta
- 54/18 Multiple Cranes—Surrey, British Columbia
- 55/18 Crane—Toronto, Ontario
- 56/18 Multiple Cranes—Toronto, Ontario
- 57/18 Mobile Crane—Charlottetown, Prince Edward Island
- 58/18 Crane—Toronto, Ontario
- 59/18 Crane—Toronto, Ontario
- 60/18 Crane—Vancouver, British Columbia
- 61/18 Crane—Calgary, Alberta
- 62/18 Multiple Cranes—Toronto, Ontario
- 63/18 Multiple Cranes—Toronto, Ontario
- 64/18 Crane—Toronto, Ontario
- 65/18 Multiple Cranes—Calgary, Alberta
- 66/18 Tower Crane—Toronto, Ontario
- 67/18 Multiple Cranes—Toronto, Ontario
- 68/18 Multiple Cranes—Kirkland Lake, Ontario
- 69/18 Crane—Toronto, Ontario
- 70/18 Multiple Cranes—Toronto, Ontario
- 71/18 Tower Crane—Toronto, Ontario
- 1/19 Closure of the Air Traffic Control Tower and Contract Weather Office—Toronto/Buttonville, Ontario (Replaces AIC 41/18)

- 2/19 Multiple Cranes—Toronto, Ontario
3/19 Multiple Cranes—Toronto, Ontario
4/19 Tower Crane—Vancouver, British Columbia
5/19 Crane—Toronto, Ontario
7/19 Quebec Region—Cranes for the Construction of the New Champlain Bridge—December 2018 – June 2019 (Replaces AIP Supplement 4/18)
8/19 Crane—North York, Ontario
9/19 Crane—Toronto, Ontario
10/19 Crane—Toronto, Ontario
11/19 Luffing Crane—Toronto, Ontario
12/19 Crane—Calgary, Alberta
13/19 Multiple Cranes—Richmond, British Columbia
14/19 Crane—Vancouver, British Columbia
15/19 Multiple Cranes—Toronto, Ontario
16/19 Multiple Cranes—Vancouver, British Columbia
17/19 Crane—Toronto, Ontario
18/19 Multiple Cranes—Richmond, British Columbia
19/19 Multiple Cranes—Oshawa, Ontario
20/19 Quebec Region—Restrictions to Airspace Over 10 Provincial Detention Facilities
21/19 Changes to VFR Frequency Assignment—Winnipeg Terminal Control Area—25 April 2019
22/19 Multiple Drilling Rigs—Conklin, Alberta
23/19 Crane—Victoria, British Columbia
24/19 Multiple Drilling Rigs—Conklin, Alberta
25/19 Multiple Cranes—Scotford, Alberta
26/19 Crane—Vancouver, British Columbia
27/19 New Visual Flight Rules (VFR) Checkpoints and Arrival Routes at the Montreal/St-Hubert Airport (CYHU)
28/19 Multiple Cranes—Toronto, Ontario
29/19 Tower Crane—Toronto, Ontario
30/19 Crane—Vancouver, British Columbia
31/19 Multiple Drilling Rigs—Conklin, Alberta
33/19 Establish Visual Flight Rules (VFR) Transit Routes—Toronto/Buttonville, Ontario (Replaces AIC 17/19)
35/19 Crane—Winnipeg, Manitoba
36/19 Flight Operations: Forest Spraying—Lac Saint-Jean, North Shore, Lower St. Lawrence, and Gaspesie
38/19 Notice of Summer Weekend Runway Alternation Trial at Toronto/Lester B. Pearson International Airport—May 2019 – September 2019 (Replaces AIP Supplement 32/19)
39/19 Multiple Cranes—Vancouver, British Columbia
40/19 Crane—Saskatoon, Saskatchewan
41/19 Multiple Cranes—Toronto, Ontario
43/19 Balloon and Rocket Launch—North Bay, Ontario (Replaces AIP Supplement 37/19)
44/19 Multiple Cranes—Toronto, Ontario
45/19 Multiple Cranes—Toronto, Ontario

- 46/19 Multiple Cranes—Toronto, Ontario
- 47/19 Multiple Cranes—Toronto, Ontario
- 48/19 Multiple Cranes—Richmond, British Columbia
- 49/19 Mobile Crane—St-Hubert, Quebec
- 50/19 Tower Crane—Toronto, Ontario
- 51/19 Luffing Crane—Saskatoon, Saskatchewan
- 52/19 Tower Cranes—Richmond, British Columbia
- 53/19 Multiple Cranes—Toronto, Ontario
- 54/19 Multiple Cranes—Toronto, Ontario
- 55/19 Crane—Toronto, Ontario
- 56/19 One Crane—London, Ontario
- 57/19 Multiple Cranes—Toronto, Ontario
- 58/19 Multiple Cranes—Toronto, Ontario
- 59/19 Multiple Cranes—Winnipeg, Manitoba
- 60/19 Quebec Region— Festival Western de Saint-Tite—September 4–17, 2019
- 61/19 Multiple Cranes—Toronto, Ontario
- 62/19 Tower Crane—Kingston, Ontario
- 63/19 Crane—Toronto, Ontario
- 65/19 Tower Crane—Toronto, Ontario
- 66/19 Crane—Scarborough, Ontario
- 67/19 Crane—Winnipeg, Manitoba
- 68/19 Tower Crane—Toronto, Ontario
- 69/19 Multiple Cranes—Toronto, Ontario
- 70/19 Multiple Cranes—Placentia, Newfoundland
- 71/19 Multiple Cranes—Calgary, Alberta
- 72/19 Multiple Cranes—Toronto, Ontario
- 73/19 Multiple Cranes—Toronto, Ontario
- 74/19 Ontario Region—High-Altitude Research Balloon Flights—Victor M. Power Airport (CYTR), Timmins, Ontario—25 August 2019 to 27 September 2019
- 76/19 Multiple Cranes—Toronto, Ontario (Replaces AIP Supplement 64/19)

The following A.I.P. Canada Supplements have been cancelled:

- 7/16 Tower Crane—Toronto, Ontario
- 41/16 Tower Crane—London, Ontario
- 29/17 Two Cranes—St. John's, Newfoundland
- 7/18 Transmission Line and Cranes—Edmonton to Fort McMurray, Alberta
- 12/18 Multiple Cranes—Toronto, Ontario
- 53/18 Tower Crane—Toronto/Oshawa, Ontario
- 34/19 Fireworks in Québec—May and June 2019
- 42/19 Fireworks in Québec: June—July 2019
- 64/19 Multiple Cranes—Toronto, Ontario

AIP CANADA (ICAO) SUPPLEMENT 76/19

MULTIPLE CRANES—TORONTO, ONTARIO

(Replaces AIP Supplement 64/19)

Multiple cranes will be working in Toronto, Ontario. The maximum height is 305 feet above ground level (AGL) or 700 feet above sea level (ASL). The structures will be not be lighted, and will not be painted.

The cranes will be located within a 148-foot radius centred at the following coordinates:

43° 40' 18" N 79° 25' 26" W

The cranes are approximately 1.8 nautical miles (NM) northwest (NW) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to these crane activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 74/19

ONTARIO REGION HIGH-ALTITUDE RESEARCH BALLOON FLIGHTS VICTOR M. POWER AIRPORT (CYTR), TIMMINS, ONTARIO 25 AUGUST 2019 TO 27 SEPTEMBER 2019

Four (4) high-altitude unoccupied research balloons (call signs NIMBUS 1 to NIMBUS 4) will be launched from Victor M. Power Airport (CYTS) in Timmins, Ontario ($48^{\circ} 34' 14''$ N $81^{\circ} 22' 36''$ W), between 25 August 2019 and 27 September 2019.

This balloon campaign is being conducted by the *Centre national d'études spatiales* (CNES) of France and the Canadian Space Agency (CSA).

The balloons range in volume from $150,000 \text{ m}^3$ to $792,872 \text{ m}^3$ ($5,300,000 \text{ ft}^3$ to $28,000,000 \text{ ft}^3$), and the flight train varies from 1,497 kg to 3,040 kg (3,300 lbs to 6,700 lbs). Flights from lift-off to landing by multiple parachutes, after separation, will last up to 36 hours and will reach altitudes of up to 128,000 feet mean sea level (MSL). The balloons are colourless to start and then turn translucent white when inflated. As the payload clears the ground, the top of the balloon will reach 250 metres, or over 800 feet, above ground level (AGL). The parachutes used for descent are red- and white-striped for visibility.

In addition, two (2) small balloons (call signs MINUS 1 and MINUS 2) with a volume of 2.8 m^3 to 8.5 m^3 (100 ft^3 to 300 ft^3), a payload of up to 4.0 kg (10 lbs), and a flight duration of 3 hours will be launched between 05 September 2019 and 25 September 2019.

Flight crews should consult the Toronto and Montreal flight information regions (FIRs) and local (CYTS) NOTAMs for details on specific float times and possible restricted airspace.

A series of NOTAMs will be issued for the event.

Flight number(s):	6 flights
Launch date/time:	Between 25 August 2019 and 27 September 2019, from 0001Z to 1000Z
Payload system length:	up to 250 metres (850 feet)
Payload weight:	4.0 kg to 3,040 kg (10 lbs – 6,700 lbs)
Rate of ascent:	244 metres/minute – 305 metres/minute (800 feet/minute – 1,000 feet/minute)
Balloon diameter "at float":	100 metres (350 feet)
Float altitude:	130,000 feet MSL
Estimated duration of "float":	33 hours max
Description of area:	Timmins Airport up to 1,000 km (550 miles) east



Jeff Dawson
Director, Air Traffic Services (ATS) Standards

AIP CANADA (ICAO) SUPPLEMENT 73/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 773 feet above ground level (AGL) or 1,151 feet above sea level (ASL). The structures will be lighted, and it will not be painted.

The cranes will be operating within a 218-foot radius centred at the following coordinates:

43° 40' 18" N 79° 22' 38" W

The cranes are approximately 1 nautical mile (NM) northeast (NE) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 72/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 360 feet above ground level (AGL) or 652 feet above sea level (ASL). The structures will be lighted, and it will not be painted.

The cranes will be operating within a 200-foot radius centred at the following coordinates:

43° 37' 26" N 79° 29' 20" W

The cranes are approximately 7 nautical miles (NM) southeast (SE) from Toronto/Lester B. Pearson International Airport (CYYZ) and approximately 3 NM east (E) of Toronto/Wilson's Heliport (CPY5). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 71/19

MULTIPLE CRANES—CALGARY, ALBERTA

Multiple cranes will be working in Calgary, Alberta. The maximum height is 197 feet above ground level (AGL) or 3,789 feet above sea level (ASL). The structures will be lighted, and not painted.

The cranes will be operating within a 260-foot radius centred at the following coordinates:

51° 03' 56" N 114° 07' 59" W

The cranes are approximately 6 nautical miles (NM) southwest (SW) of Calgary International Airport (CYYC) and approximately 0.1 nautical miles (NM) east northeast (ENE) of Calgary Foothills Hospital McCaig Tower Heliport (CMT3). Details of any procedure changes implemented due to these crane activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 70/19

MULTIPLE CRANES—PLACENTIA, NEWFOUNDLAND

Multiple cranes will be erected in Placentia, Newfoundland. The maximum height is 715 feet above ground level (AGL) or 743 feet above sea level (ASL). The structure will be lighted and painted.

The cranes will be operating within a 1,245-foot radius centred at the following coordinates:

47° 18' 36.1134" N 53° 58' 30.0406" W

Multiple cranes are approximately 37 nautical miles (NM) west southwest (WSW) of Harbour Grace Airport (CHG2). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 69/19

MULTIPLE CRANE—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 486 feet above ground level (AGL) or 1,156 feet above sea level (ASL). The structures will be lighted, and not painted.

The cranes will be located within a 342-foot radius centred at the following coordinates:

43° 50' 26.0208" N 79° 23' 48.7280" W

Multiple cranes are approximately 1.7 nautical miles (NM) west southwest (WSW) of Toronto/Buttonville Municipal Aerodrome (CYKZ). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 68/19

TOWER CRANE—TORONTO, ONTARIO

A tower crane will be erected in Toronto, Ontario. The maximum height is 320 feet above ground level (AGL) or 872 feet above sea level (ASL). The structure will be lighted and painted.

The tower crane will be operating within a 92-foot radius at the following coordinates:

43° 41' 49" N 79° 26' 38" W

The crane is approximately 3 nautical miles (NM) south (S) of Toronto/Downsview Airport (CYZD). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 67/19

CRANE—WINNIPEG, MANITOBA

A mobile crane will operate in Winnipeg, Manitoba. The maximum height is 187 feet above ground level (AGL) or 951 feet above sea level (ASL). The crane will not be lighted, and it will not be painted.

The crane will be operating within a 99-foot radius centered at the following coordinates:

49° 52' 11" N 97° 13' 27" W

This location is approximately 3 nautical miles (NM) south southeast (SSE) of Winnipeg/James Armstrong Richardson International Airport (CYWG). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 66/19

CRANE—SCARBOROUGH, ONTARIO

A crane will be erected in Scarborough, Ontario. The maximum height is 319 feet above ground level (AGL) or 912 feet above sea level (ASL). The structure will be lighted and painted.

The tower crane will be operating within a 181-foot radius centred at the following coordinates:

43° 48' 33" N 79° 15' 53" W

The crane is approximately 5 nautical miles (NM) southeast (SE) of Toronto/Buttonville Municipal Airport (CYKZ) and approximately 5 NM south southwest (SSW) of Toronto/Markham Stouffville Heliport (CPH7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
AIM Land Use

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 65/19

TOWER CRANE—TORONTO, ONTARIO

A tower crane will be erected in Toronto, ON. The maximum height is 392 feet above ground level (AGL) or 673 feet above sea level (ASL). The structure will be lighted, and painted.

The crane will be located within a 172-foot radius centred at the following coordinates:

43° 38' 18" N 79° 25' 00" W

The tower crane is approximately 1.1 nautical miles (NM) northwest (NW) of Toronto/Billy Bishop Toronto City Airport (CYTZ) and 1.0 NM west northwest (WNW) Toronto/Billy Bishop Toronto City Airport Water Aerodrome (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 63/19

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 516 feet above ground level (AGL) or 1,087 feet above sea level (ASL). The structure will be lighted.

The crane will be located within a 157-foot radius centred at the following coordinates:

43° 45' 47.9962" N 79° 24' 36.0665" W

The crane is approximately 3 nautical miles (NM) east northeast (ENE) of Toronto/Downsview Airport (CYZD). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 62/19

TOWER CRANE—KINGSTON, ONTARIO

A tower crane will be erected in Kingston, Ontario. The maximum height is 169 feet above ground level (AGL) or 535 feet above sea level (ASL). The structure will be lighted, and will not be painted.

The crane will be located within a 250-foot radius centred at the following coordinates:

44° 15' 34" N 76° 34' 32" W

The tower crane is approximately 2.0 nautical miles (NM) northeast (NE) of Kingston Airport (CYGK) and 1.7 NM east northeast (ENE) of Kingston Water Aerodrome (CKN2). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 61/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 843 feet above ground level (AGL) or 1,096 feet above sea level (ASL). The cranes will be lighted, and painted.

The cranes will be located within a 270-foot radius centred at the following coordinates:

43° 38' 40.968" N 79° 22' 17.3398" W

The cranes are approximately 0.6 nautical miles (NM) south southeast (SSE) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 60/19

QUEBEC REGION FESTIVAL WESTERN DE SAINT-TITE SEPTEMBER 4–17, 2019

This supplement aims to inform the aeronautical community operating in the Mauricie area about the Festival Western de Saint-Tite as well as the operational limitations and restrictions in the vicinity of the Saint-Tite aerodrome (unknown location indicator) and the Lac-à-la-Tortue land and water aerodromes (CSL3 and CSU7). These aerodromes are all shown on the Montreal VFR Navigation Chart (VNC) AIR 5002.

To increase the level of safety at this event, and pursuant to section 5.1 of the *Aeronautics Act*, Transport Canada (TC) is creating a restricted area over the town, centered on the stables located east of the town. TC is also designating a mandatory frequency (MF) area centered on the aerodrome located southwest of the town but encompassing all of Saint-Tite.

Restricted Area

Section 5.1 of the *Aeronautics Act* states that: “The Minister or any person authorized by the Minister may by notice prohibit or restrict the operation of aircraft on or over any area or within any airspace, either absolutely or subject to any exceptions or conditions that the Minister or person may specify [...].”

Pursuant to section 5.1 of the *Aeronautics Act*, a restricted area is established within a 0.75 NM radius around the stables at the following coordinates: 46°43'47"N 72°33'12"W, from the surface to 1 500 ft ASL (1 066 ft AGL). No aircraft shall be operated within the area described except MEDEVAC flights, police operations and TC aircraft. The restriction shall be in effect from September 4, 2019 through to September 17, 2019. The restricted area is depicted as a red circle on the area chart and on the satellite image hereunder.

MF Area

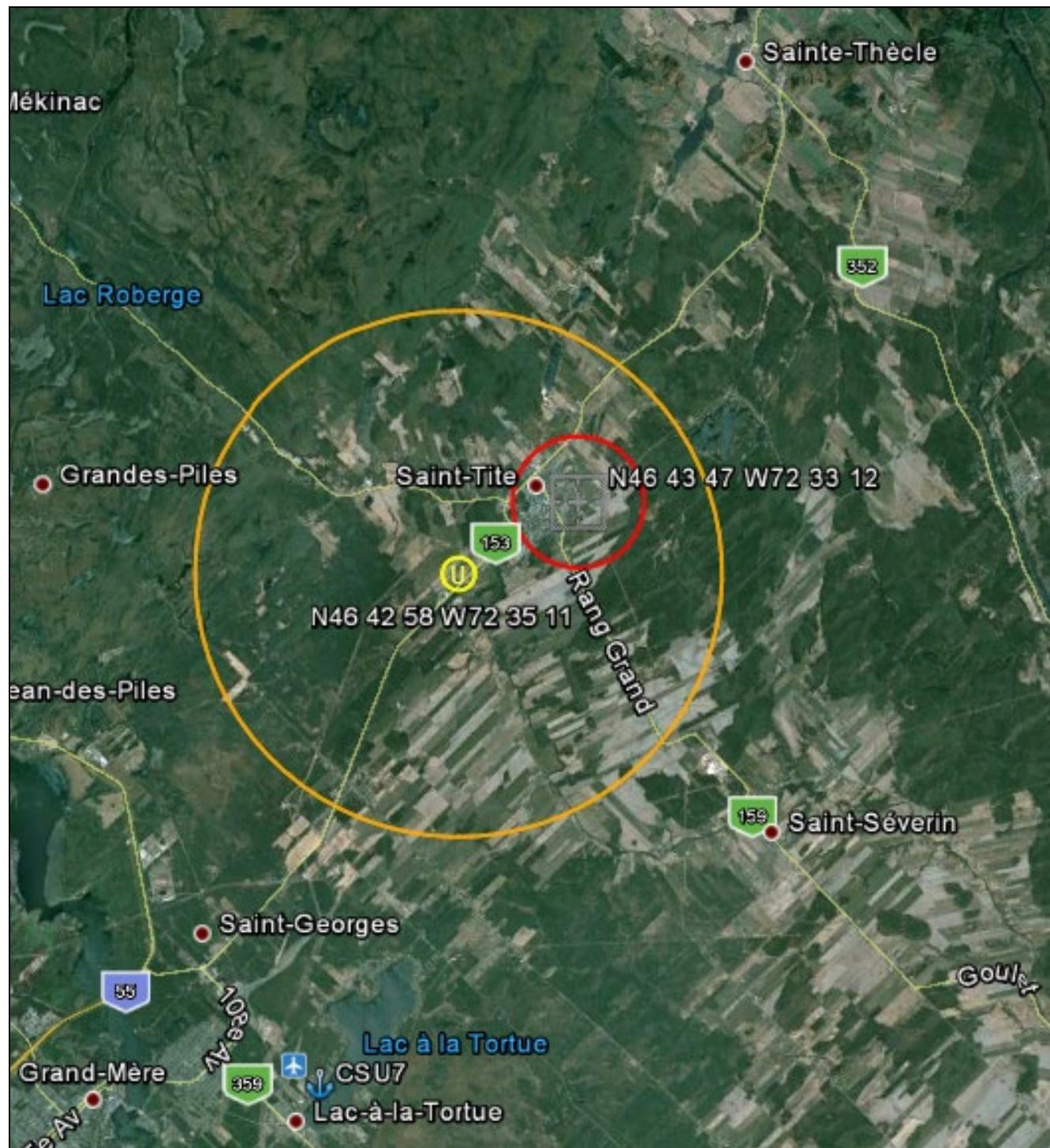
To maximize the safety level, an MF area will be designated by TC. The area (without ground station) consists of a 3 NM radius centered on the Saint-Tite aerodrome (approximate coordinates: 46°42'58"N 72°35'11"W), from the surface to 3 500 ft ASL (3 075 ft AGL). The MF is 122.7 MHz. Pilots must follow the MF reporting procedures set out in *Canadian Aviation Regulations* (CARs) 602.97 to 602.103 as well as the information contained in RAC sections 4.5.4, 4.5.6 and 4.5.7 of the *Transport Canada Aeronautical Information Manual* (TC AIM) which can be downloaded here:

<<http://www.tc.gc.ca/eng/civilaviation/publications/tp14371-menu-3092.htm>>.

The MF area is depicted as an orange circle on the satellite image hereunder.

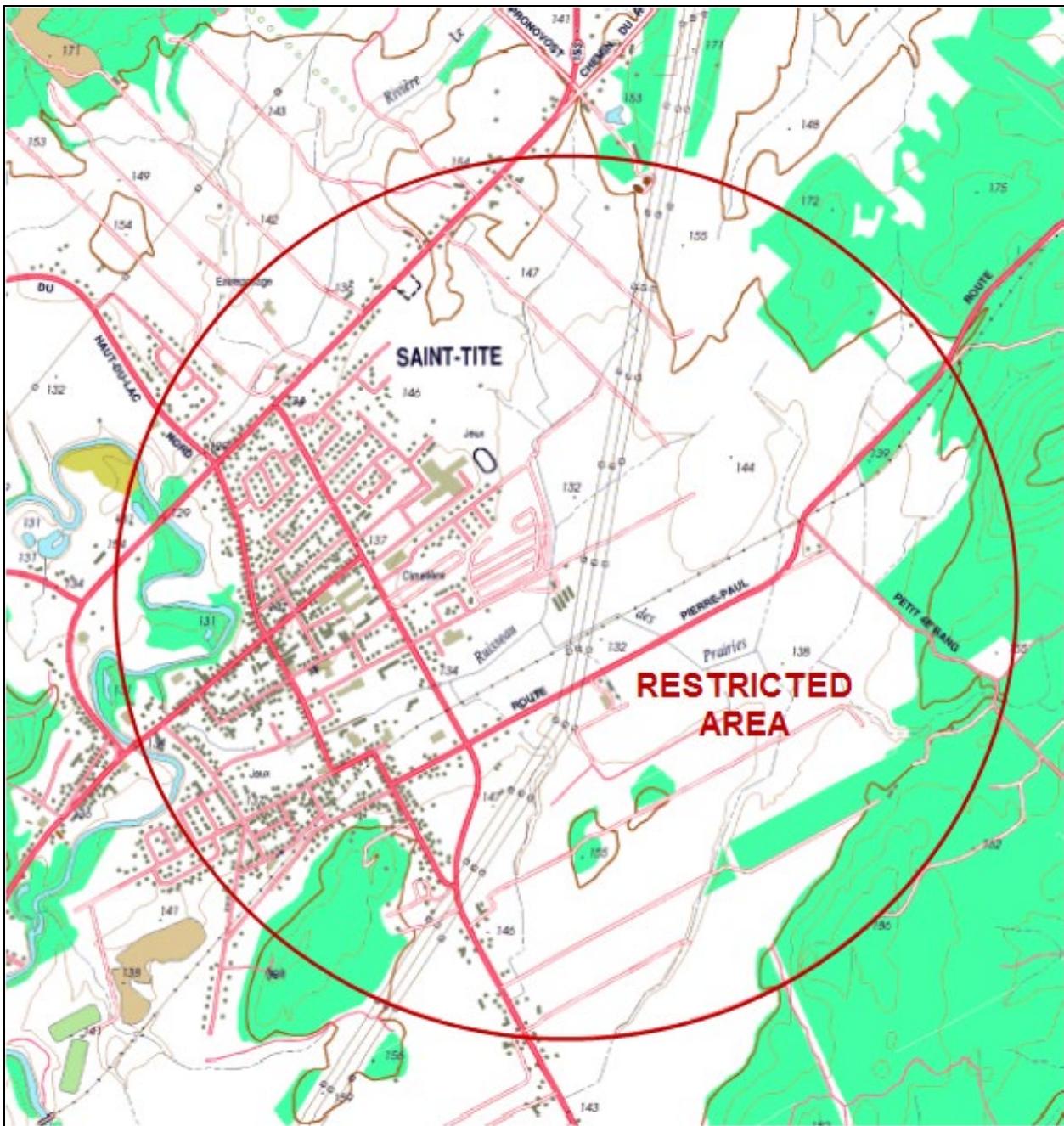
NOTAM

A NOTAM will be issued, under the Montréal FIR – CZUL NOTAM file, indicating the effective times of the restricted area pursuant to section 5.1 of the *Aeronautics Act*. A NOTAM will be issued, under the Lac-à-la-Tortue aerodrome (CSL3) CYQB NOTAM file, indicating the effective times of the MF area and the restricted area pursuant to section 5.1 of the *Aeronautics Act* as well as any last-minute changes.



MF area is depicted in orange (3 NM radius surface [SFC] to 3 500 ft ASL on 122.7 MHz)

Restricted airspace is depicted in rouge (0.75 NM radius SFC to 1 500 ft ASL).



Bernard Fortin

Bernard Fortin
Associate Director, Operations
Civil Aviation – NAH
Transport Canada, Quebec Region

AIP CANADA (ICAO) SUPPLEMENT 59/19

MULTIPLE CRANES—WINNIPEG, MANITOBA

Multiple cranes will be working in Winnipeg, Manitoba. The maximum height is 303 feet above ground level (AGL) or 1,065 feet above sea level (ASL). The structures will not be lighted, and will not be painted.

The cranes will be located within a 199-foot radius centred at the following coordinates:

49° 53' 26" N 97° 08' 42" W

The cranes are approximately 4 nautical miles (NM) east southeast (ESE) from Winnipeg/James Armstrong Richardson International Airport (CYWG) and 0.9 NM south southeast (SSE) from Winnipeg Health Sciences Centre Heliport (CWH7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 58/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 592 feet above ground level (AGL) or 844 feet above sea level (ASL). The structures will be lighted, and will not be painted.

The cranes will be located within a 260-foot radius centred at the following coordinates:

43° 38' 37.4" N 79° 22' 16.1" W

Multiple cranes are approximately 1.4 nautical miles (NM) east northeast (ENE) of Toronto/Billy Bishop Toronto City Airport (CYTZ) and 0.7 NM south southeast (SSE) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 57/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be working in Toronto, Ontario. The maximum height is 575 feet above ground level (AGL) or 828 feet above sea level (ASL). The structures will be lighted, and painted.

The cranes will be located within a 305-foot radius centred at the following coordinates:

43° 38' 39" N 79° 22' 02" W

The cranes are approximately 1.6 nautical miles (NM) east northeast (ENE) from Toronto/Billy Bishop Toronto City Airport (CYTZ) and 0.8 NM south southeast (SSE) from Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 56/19

ONE CRANE—LONDON, ONTARIO

One crane will be erected in London, Ontario. The maximum height is 396 feet above ground level (AGL) or 1,183 feet above sea level (ASL). The structure will be lighted, and will not be painted.

The crane will be located within a 180-foot radius centred at the following coordinates:

42° 58' 47.90" N 81° 15' 15.00" W

One crane is approximately 1.8 nautical miles (NM) northwest (NW) of London Victoria Hospital Heliport (CPW2). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 55/19

CRANE—TORONTO, ONTARIO

One crane will be erected in Toronto, Ontario. The maximum height is 647 feet above ground level (AGL) or 929 feet above sea level (ASL). The structures will not be lighted, and will not be painted.

The crane will be located within a 115-foot radius centred at the following coordinates:

43° 38' 44.67" N 79° 23' 33.01" W

One crane is approximately 1.1 nautical miles (NM) north northeast (NNE) of Toronto/Billy Bishop Toronto City Airport (CYTZ) and 0.7NM south southwest of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 54/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 552 feet above ground level (AGL) or 958 feet above sea level (ASL). The structures will not be lighted, and will not be painted.

The cranes will be located within a 410-foot radius centred at the following coordinates:

43° 38' 20" N 79° 33' 32" W

The cranes are approximately 4 nautical miles (NM) south east (SE) Toronto/Lester B. Pearson International Airport (CYYZ) and approximately 1.3 NM north northeast (NNE) Toronto/Wilson's Heliport (CPY5). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 53/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 711 feet above ground level (AGL) or 1,223 feet above sea level (ASL). The structures will be lighted, and will not be painted.

The cranes will be located within a 412-foot radius centred at the following coordinates:

43° 35' 03" N 79° 38' 41" W

Multiple cranes are approximately 3 nautical miles (NM) east northeast (ENE) of Toronto Mississauga Credit Valley Hospital Heliport (CPK6). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 52/19

TOWER CRANES—RICHMOND, BRITISH COLUMBIA

Multiple tower cranes will be erected in Richmond, British Columbia. The maximum height is 262 feet above ground level (AGL) or 268 feet above sea level (ASL). The structures will be lighted, and painted.

The cranes will be located within a 261-foot radius centred at the following coordinates:

49° 10' 18" N 123° 08' 48" W

The cranes are approximately 2.0 nautical miles (NM) east southeast (ESE) of Vancouver International Airport (CYVR) and 1.1 nautical miles (NM) east southeast (ESE) of Vancouver International Water Aerodrome (CAM9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 51/19

LUFFING CRANE—SASKATOON, SASKATCHEWAN

A luffing crane will be working in Saskatoon, Saskatchewan. The maximum height is 328 feet above ground level (AGL) or 1,981 feet above sea level (ASL). The structure will be lighted, and it will not be painted.

The crane will be located within a 164-foot radius centred at the following coordinates:

52° 07' 16" N 106° 39' 18" W

The crane is approximately 3.0 nautical miles (NM) southeast (SE) of Saskatoon/John G. Diefenbaker International Airport (CYXE) and approximately 1.4 NM south southwest (SSW) of Saskatoon/Royal University Hospital Heliport (CRU2). Details of any procedure changes implemented due to these crane activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 50/19

TOWER CRANE—TORONTO, ONTARIO

A tower crane will be erected Toronto, Ontario. The maximum height is 670 feet above ground level (AGL) or 1,011 feet above sea level (ASL). The crane will be lighted, and will not be painted.

The crane will be operating within a 165-foot radius centred at the following coordinates:

43° 39' 46" N 79° 23' 03" W

This location is approximately 0.4 nautical miles (NM) north northeast (NNE) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 49/19

MOBILE CRANE—ST-HUBERT, QUEBEC

A mobile crane will be erected in St-Hubert, Quebec. The maximum height is 150 feet above ground level (AGL) or 233 feet above sea level (ASL). The structure will not be lighted, and will not be painted.

The crane will be located within a 1,000-foot radius centred at the following coordinates:

45° 30' 48" N 73° 24' 02" W

The crane is approximately 0.7 nautical miles (NM) southeast (SE) of Montreal/St-Hubert Airport (CYHU). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 48/19

MULTIPLE CRANES—RICHMOND, BRITISH COLUMBIA

Multiple cranes will be erected in Richmond, British Columbia. The maximum height is 118 feet above ground level (AGL) or 125 feet above sea level (ASL). The cranes will not be lighted, and will not be painted.

The cranes will be operating within a 400-foot radius centred at the following coordinates:

49° 11' 29" N 123° 10' 03" W

The cranes are approximately 2,000 feet beyond threshold Runway 26L and 2,200 feet right of the centre line at Vancouver International Airport (CYVR). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 47/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating in Toronto, Ontario. The maximum height is 479 feet above ground level (AGL) or 851 feet above sea level (ASL). The structures will be lighted, and painted.

The cranes will be located within a 318-foot radius centred at the following coordinates:

43° 39' 52" N 79° 24' 42" W

Multiple cranes are approximately 2.0 nautical miles (NM) north (N) of Toronto/Billy Bishop Toronto City Airport (CYTZ). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 46/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 591 feet above ground level (AGL) or 954 feet above sea level (ASL). The cranes will be lighted but not painted.

The cranes will be operating within a 230-foot radius centred at the following coordinates:

43° 39' 59" N 79° 23' 05" W

The cranes are approximately 2.0 nautical miles (NM) north north-east (NNE) from Toronto/Billy Bishop Toronto City Airport (CYTZ). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 45/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be working in Toronto, Ontario. The maximum height is 449 feet above ground level (AGL) or 728 feet above sea level (ASL). The structures will not be lighted, and will not be painted.

The cranes will be located within a 175-foot radius centred at the following coordinates:

43° 38' 22" N 79° 24' 41" W

The cranes are approximately 0.8 nautical miles (NM) north-west (NW) of Toronto/Billy Bishop Toronto City Water Aerodrome (CPZ9). Details of any procedure changes implemented due to these crane activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 44/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be working in Toronto, Ontario. The maximum height is 336 feet above ground level (AGL) or 642 feet above sea level (ASL). The structures will be lighted and painted.

The cranes will be located within a 195-foot radius centred at the following coordinates:

43° 39' 25" N 079° 22' 56" W

The cranes are approximately 0.2 nautical miles (NM) east (E) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to these crane activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 43/19

BALLOON AND ROCKET LAUNCH NORTH BAY, ONTARIO

(Replaces AIP Supplement 37/19)

A large unoccupied, free balloon will launch from North Bay, Ontario (CYYB) on 15 May 2019 between 1030Z and 1400Z. Its payload will include a gondola with a vertically mounted rocket. The balloon will float to the restricted airspace East of North Bay.

The restricted airspace will be bounded within the following coordinates:

46° 58' 08" N	79° 26' 53" W	to
46° 48' 47" N	79° 39' 25" W	to
46° 26' 51" N	79° 14' 39" W	to
46° 20' 48" N	78° 22' 45" W	to
46° 53' 30" N	78° 14' 21" W	to
47° 00' 34" N	78° 42' 10" W	to
46° 38' 25" N	79° 05' 19" W	to
46° 58' 08" N	79° 26' 53" W	the starting point.

Once in the restricted airspace, the rocket will be deployed on a near vertical trajectory up to approximately 72,000 feet mean sea level (MSL). The balloon, gondola, and rocket will be recovered via parachute within the restricted airspace.

If the event does not take place on 15 May 2019, the operator will be authorized to re-attempt the launch on subsequent days between 1030Z and 1400Z until 31 May 2019.

A series of NOTAMs will be issued for the event.

Flight number(s):	1 flight only
Launch date/time:	Between 15 and 31 May 2019, from 1030Z to 1400Z
Payload system length:	115 feet (35 metres)
Payload weight:	185 kg (408 lbs)
Rate of ascent:	1,650 feet/minute
Balloon diameter "at float":	39.3 feet (12 metres)
Float altitude:	35,000 feet MSL
Estimated duration of "float":	5 minutes
Description of area:	See Figure 1 on the following page

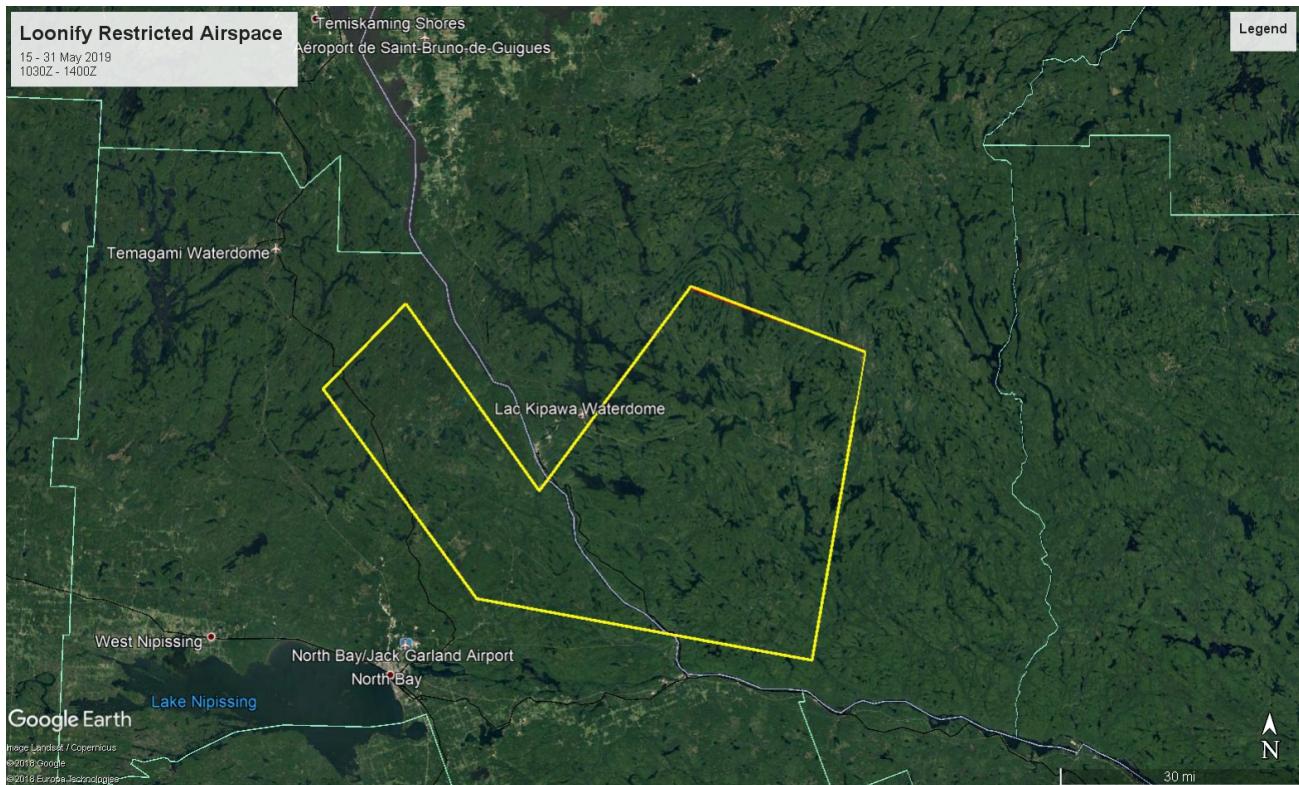


Figure 1


Jeff Dawson
Director, Air Traffic Services (ATS) Standards

AIP CANADA (ICAO) SUPPLEMENT 41/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating in Toronto, Ontario. The maximum height is 491 feet above ground level (AGL) or 1,016 feet above sea level (ASL). The cranes will be lighted and painted.

The cranes will be operating within a 210-foot radius centred at the following coordinates:

43° 46' 27" N 79° 24' 54" W

The cranes are approximately 3.0 nautical miles (NM) east northeast (ENE) from Toronto/Downsview Aerodrome (CYZD). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 40/19

CRANE—SASKATOON, SASKATCHEWAN

A crane will operate in Saskatoon, Saskatchewan. The maximum height is 354 feet above ground level (AGL) or 1,941 feet above sea level (ASL). The crane will be lighted, and it will not be painted.

The crane will be operating within a 213-foot radius centered at the following coordinates:

52° 07' 24" N 106° 39' 56" W

The location is approximately 1.5 nautical miles (NM) southwest (SW) of Saskatoon Royal University Hospital Heliport (CRU2). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 39/19

MULTIPLE CRANES—VANCOUVER, BRITISH COLUMBIA

Multiple cranes will be operating in Vancouver, British Columbia. The maximum height is 326 feet above ground level (AGL) or 650 feet above sea level (ASL). The cranes will not be lighted and will not be painted.

The cranes will be located within a 197-foot radius centered at the following coordinates:

49° 19' 19" N 123° 04' 11" W

The cranes are approximately 2 nautical miles (NM) north northeast (NNE) of Vancouver Harbour Public Heliport (CBC7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 38/19

NOTICE OF SUMMER WEEKEND RUNWAY ALTERNATION TRIAL AT TORONTO/LESTER B. PEARSON INTERNATIONAL AIRPORT MAY 2019 – SEPTEMBER 2019

(Replaces AIP Supplement 32/19)

The Greater Toronto Airports Authority (GTAA) will be conducting a weekend runway alternation trial at Toronto/Lester B. Pearson International (CYYZ) on Saturdays and Sundays from 06:30-23:59 (local time) daily, for 16 consecutive weekends. The trial will commence on Saturday, 25 May 2019 and end on Sunday, 8 September 2019. On these weekends, the primary departure and arrival runway, plus an offload option, will be preplanned using the east-west runways. An easterly and westerly configuration will be published for use each weekend.

A schedule of the preplanned easterly and westerly runway configurations for each weekend will be published in advance and made publicly available. The primary east-west runways and offload option will change every second weekend, as per the following pattern:

ODD WEEKENDS 06:30-23:59 (local time)	Easterly Runway Configuration		Westerly Runway Configuration	
	Arrival	Departure	Arrival	Departure
(e.g., weekend #1: 25 and 26 May weekend #3: 8 and 9 June weekend #5: 22 and 23 June, etc.)				
Primary Runway	Runway 05	Runway 06L	Runway 24R	Runway 23
Offload Option	Runway 06L	Runway 05	Runway 23	Runway 24R

EVEN WEEKENDS 06:30-23:59 (local time)	Easterly Runway Configuration		Westerly Runway Configuration	
	Arrival	Departure	Arrival	Departure
(e.g., weekend #2: 1 and 2 June weekend #4: 15 and 16 June weekend #6: 29 and 30 June, etc.)				
Primary Runway	Runway 06L	Runway 05	Runway 23	Runway 24R
Offload Option	Runway 05	Runway 06L	Runway 24R	Runway 23

Capacity requirements will continue to be met throughout the trial period and as such the usage of additional runways as required is permitted (i.e., dual or triple runway operations). Flight crew requests for a runway other than the primary departure runway are to be made on the appropriate air traffic control frequency, and reasoning provided. As per existing runway selection criteria, if the weather or winds dictate a north-south configuration, then those runways will be made operational.

For further information in advance of the trial, please contact CYYZ at:

Greater Toronto Airports Authority
PO Box 6031
3111 Convair Drive
Toronto AMF, ON L5P 1B2
Attn: Lyla Barrett, Manager
Air Traffic Management and Noise Performance

Office: 416-776-5392
Cellular: 416-557-1718

During the trial period, for operational concerns on the day-of, please contact the CYYZ Airport Duty Manager directly at:

Tel.: 416-776-3030



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 36/19

FLIGHT OPERATIONS: FOREST SPRAYING LAC SAINT-JEAN, NORTH SHORE, LOWER ST. LAWRENCE, AND GASPEPIE

Once again this year, the Société de protection des forêts contre les insectes et maladies (SOPFIM) will proceed with large-scale aerial spraying operations.

The operating bases are located at:

- Dolbeau-St-Félicien, QC (CYDO)
- Chicoutimi/St-Honoré, QC (CYRC)
- Forestville, QC (CYFE)
- Baie-Comeau, QC (CYBC)
- Mont-Joli, QC (CYYY)
- Matane, QC (CYME)
- Ste-Anne-des-Monts, QC (CYSZ)
- Gaspe (Michel-Pouliot), QC (CYGP)
- Bonaventure, QC (CYVB)
- Charlo, NB (CYCL)

A total of 77 aircraft, including 15 bird dogs and 62 spray planes, will be used.

Spray operations will begin around 25 May 2019 at CYDO, CYRC, CYYY, and CYME. Operations at CYCL will begin as soon as weather permits. Operations at CYFE and CYBC on the North Shore and at CYSZ, CYGP, and CYVB in Gaspésie will begin around 1 June 2019.

The following is an overview, by region, of the maximum number of aircraft that will be at the bases at the height of operations:

Lac Saint-Jean		North Shore	
CYDO: 15 aircraft	CYRC: 10 aircraft	CYBC: 11 aircraft	CYFE: 7 aircraft
Lower St. Lawrence			
CYYY: 12 aircraft	CYME: 06 aircraft		
Gaspésie			
CYSZ: 16 aircraft	CYGP: 7 aircraft	CYVB: 9 aircraft	CYCL: 11 aircraft

Operations usually take place from 4 a.m. to 7:30 a.m. (local time), which can occasionally be extended until around 11 a.m. (local time), and from 6 p.m. to 9:30 p.m. (local time) in calm winds with no precipitation. To begin this endeavour, calibration and reconnaissance flights will be conducted during the day between 23 May 2019 and 30 May 2019. Spraying occurs at 60 feet from the tree tops and a surveillance aircraft generally flies at 1,000 feet overhead. Aircraft make their way to designated sectors at approximately 1,000 feet above ground level (AGL) and return to the bases at 2,500 feet above sea level (ASL), 3,000 feet ASL and 3,500 feet ASL.

Most of the spray planes are yellow Air Tractor 502s. Surveillance aircraft include the C337, C310, PA-31, Piper Aerostar PA-60, Partenavia P-68, and Islander BN2. The surveillance aircraft pilot will provide position reports on frequency 126.7 MHz and mention "Opérations SOPFIM" each time spray operations take place. The surveillance pilot can be contacted at all times during operations on frequency 126.7 MHz.

Below is a map of the regions where operations will take place, which include all sectors being treated. If you need to fly at low altitude within the same sectors or if you think you may come into conflict with one of our aircraft, please do not hesitate to advise us via e-mail or phone. Activities will be particularly intense at the CYYY, CYME, CYSZ, CYGP and CYVB bases in the Lower St. Lawrence and in Gaspésie (see Figure 1).

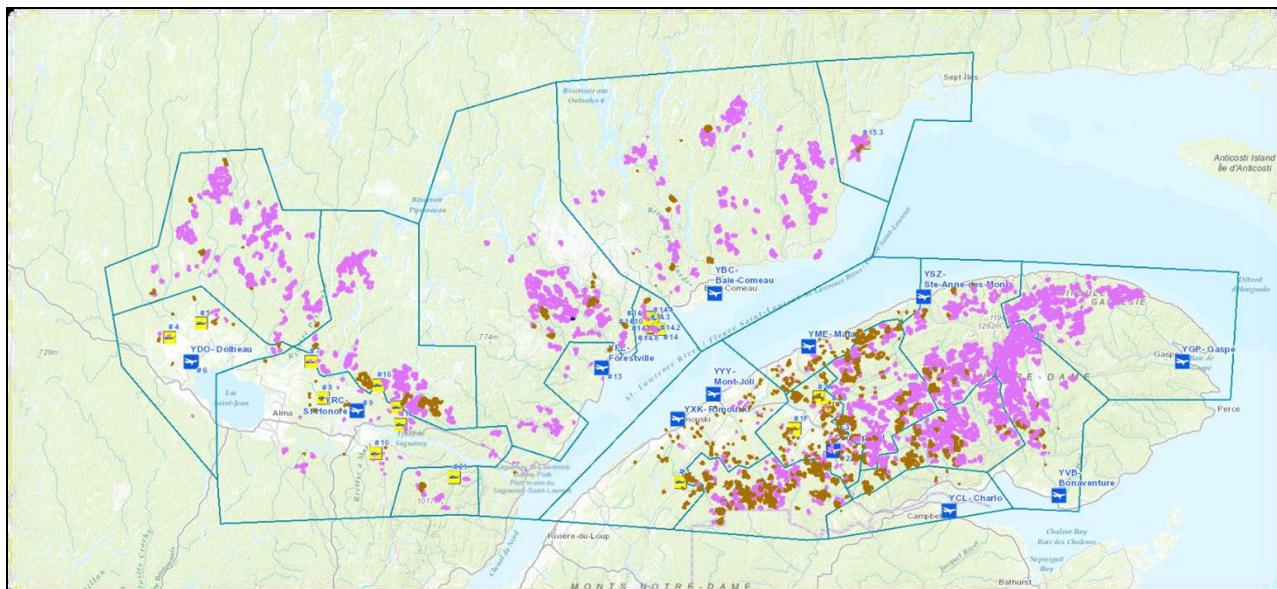


Figure 1: Aerial spraying operations map by region.

To obtain additional information, please contact:

Société de protection des forêts contre les insectes et maladies (SOPFIM)
Attn: Nicolas Verreault, Deputy Director of Operations

Tel.: 418-554-1611
E-mail: n.verreault@sopfim.qc.ca

James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 35/19

CRANE—WINNIPEG, MANITOBA

A crane will be working in Winnipeg, Manitoba. The maximum height is 90 feet above ground level (AGL) or 871 feet above sea level (ASL). The structure will not be lighted and not painted.

The crane will be operating within a 70-foot radius centred at the following coordinates:

49° 56' 31" N 97° 14' 40" W

The crane is approximately 1.9 nautical miles (NM) north (N) from Winnipeg James Armstrong Richardson International Airport (CYWG). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 33/19

ESTABLISH VISUAL FLIGHT RULES (VFR) TRANSIT ROUTES TORONTO/BUTTONVILLE, ONTARIO

(Replaces AIC 17/19)

To facilitate the movement of aircraft through the Toronto/Buttonville aerodrome Class E control zone, two visual flight rules (VFR) transit routes and associated call-up/reporting points have been established, as depicted in Figure 1, below.

These routes are not compulsory but are available for use to enhance aircraft situational awareness.

The transit routes have been published in the 20 June 2019 edition of the *Canada Flight Supplement* (CFS) on the Buttonville VFR Terminal Procedures Chart (VTPC). Refer to the VTPC and this AIP Supplement until the next edition of the Toronto VFR terminal area chart (VTA) AIR 1900 is available in the Spring of 2020.

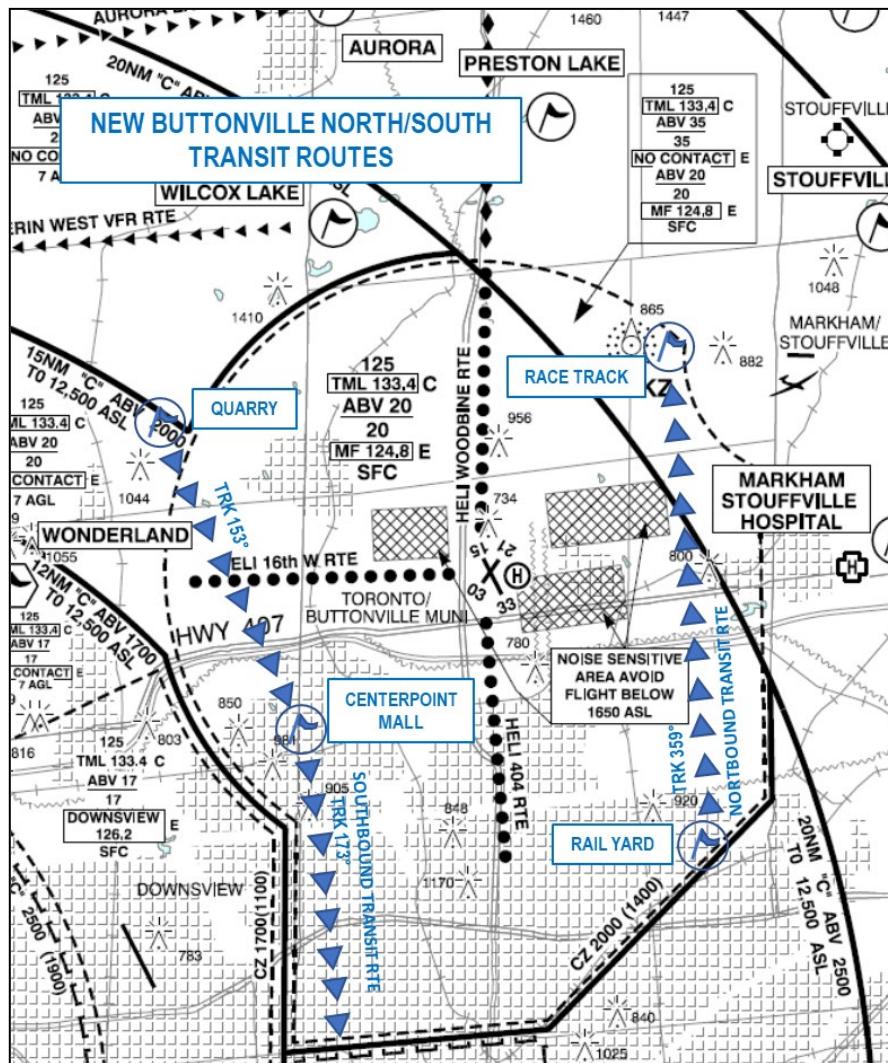


Figure 1: NOT FOR NAVIGATION

For further information, please contact:

NAV CANADA
Customer Service
77 Metcalfe Street
Ottawa, ON K1P 5L6

Tel.: 800-876-4693
Fax: 877-663-6656
E-mail: service@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 31/19

MULTIPLE DRILLING RIGS—CONKLIN, ALBERTA

Multiple drilling rigs will be operating in Conklin, Alberta. The maximum height is 145 feet above ground level (AGL) or 2,086 feet above sea level (ASL). The structures will be lighted and painted.

The drilling rigs will be located within a 2.27 nautical mile (NM) radius centred at the following coordinates:

55° 38' 58" N 110° 41' 35" W

The drilling rigs are approximately 2.0 NM northeast (NE) of Christina Lake Airport (CCL3). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 30/19

CRANE—VANCOUVER, BRITISH COLUMBIA

A crane will operate in Vancouver, British Columbia. The maximum height is 235 feet above ground level (AGL) or 278 feet above sea level (ASL). The crane will be lighted but not painted.

The crane will be operating within a 115-foot radius centered at the following coordinates:

49° 17' 04" N 123° 06' 29" W

This location is approximately 0.2 nautical miles (NM) south (S) of Vancouver Harbour Public Heliport (CBC7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 29/19

TOWER CRANE—TORONTO, ONTARIO

A tower crane will be erected in Toronto, Ontario. The maximum height is 584 feet above ground level (AGL) or 867 feet above sea level (ASL). The structure will be lighted and not painted.

The tower crane will be located within a 148-foot radius centred at the following coordinates:

43° 38' 41" N 79° 23' 40" W

The tower crane is approximately 0.7 nautical mile (NM) north northeast (NNE) of Billy Bishop Toronto City Water Aerodrome (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 28/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 902 feet above ground level (AGL) or 1,386 feet above sea level (ASL). The structures will be lighted and painted.

The cranes will be located within a 395-foot radius centred at the following coordinates:

43° 43' 57" N 79° 20' 41" W

Multiple cranes are approximately 1.3 nautical miles (NM) east northeast (ENE) of Toronto Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 27/19

NEW VISUAL FLIGHT RULES (VFR) CHECKPOINTS AND ARRIVAL ROUTES AT THE MONTREAL/ST-HUBERT AIRPORT (CYHU)

This AIP Supplement amends AIP Supplement 46/18. Amendments have been made to the checkpoints located North and East of the Montreal/St-Hubert (CYHU) control zone (CZ) and to the entry routes. To the North, checkpoints St-Amable and Varennes have been eliminated and a new checkpoint called Varennes Quarry has been created to modify the entry route North of the Montreal/St-Hubert (CYHU) CZ. (See chart in Figure 1 on the following page.) To the East, the checkpoint Autoroute 10/Rivière Richelieu has been eliminated and a new checkpoint Chambly Basin has been created to modify the entry route East of the CZ. (See chart in Figure 1 on the following page.)

The *Canada Flight Supplement* (CFS) visual flight rules (VFR) Terminal Procedures Charts (VTPCs) as well as the VFR terminal area charts (VTAs) and VFR navigation charts (VNCs) will be amended accordingly. A new chart detailing the North and East arrival routes will also be added to the CFS. (See chart in Figure 2 on the following page.) The text in section "Montreal/St-Hubert CZ Airspace Split for VFR Flights", will be modified as follows.

MONTREAL/ST-HUBERT CZ AIRSPACE SPLIT FOR VFR FLIGHTS

During the hours of operation of the control tower, Montreal/St-Hubert (CYHU) CZ is divided into two sectors for VFR arrivals with separate frequencies:

- All VFR arrivals from Varennes Quarry contact (CTC) St-Hubert control tower (TWR) on 118.4 MHz (arrival [ARR] VFR North).
- All VFR arrivals from Chambly Basin and St-Philippe-de-la-Prairie CTC St-Hubert TWR on 121.3 MHz (ARR VFR South and East).

VFR ARR/DEP ROUTES – DEPARTURES

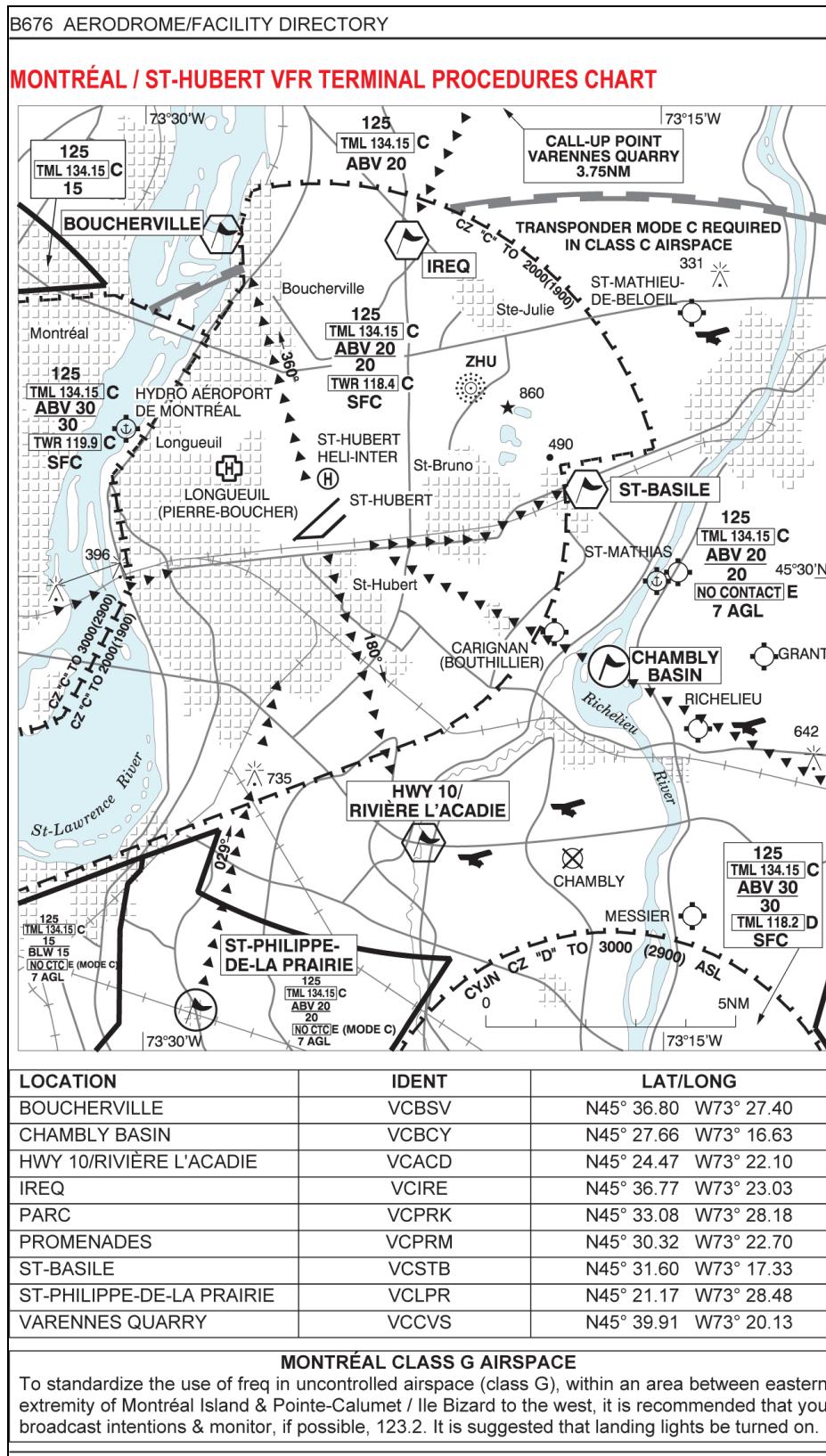
- All Runways, unless otherwise specified by air traffic control (ATC), at no higher than 1,100 feet above sea level (ASL) until outside the zone.

VFR ARR/DEP ROUTES – ARRIVALS

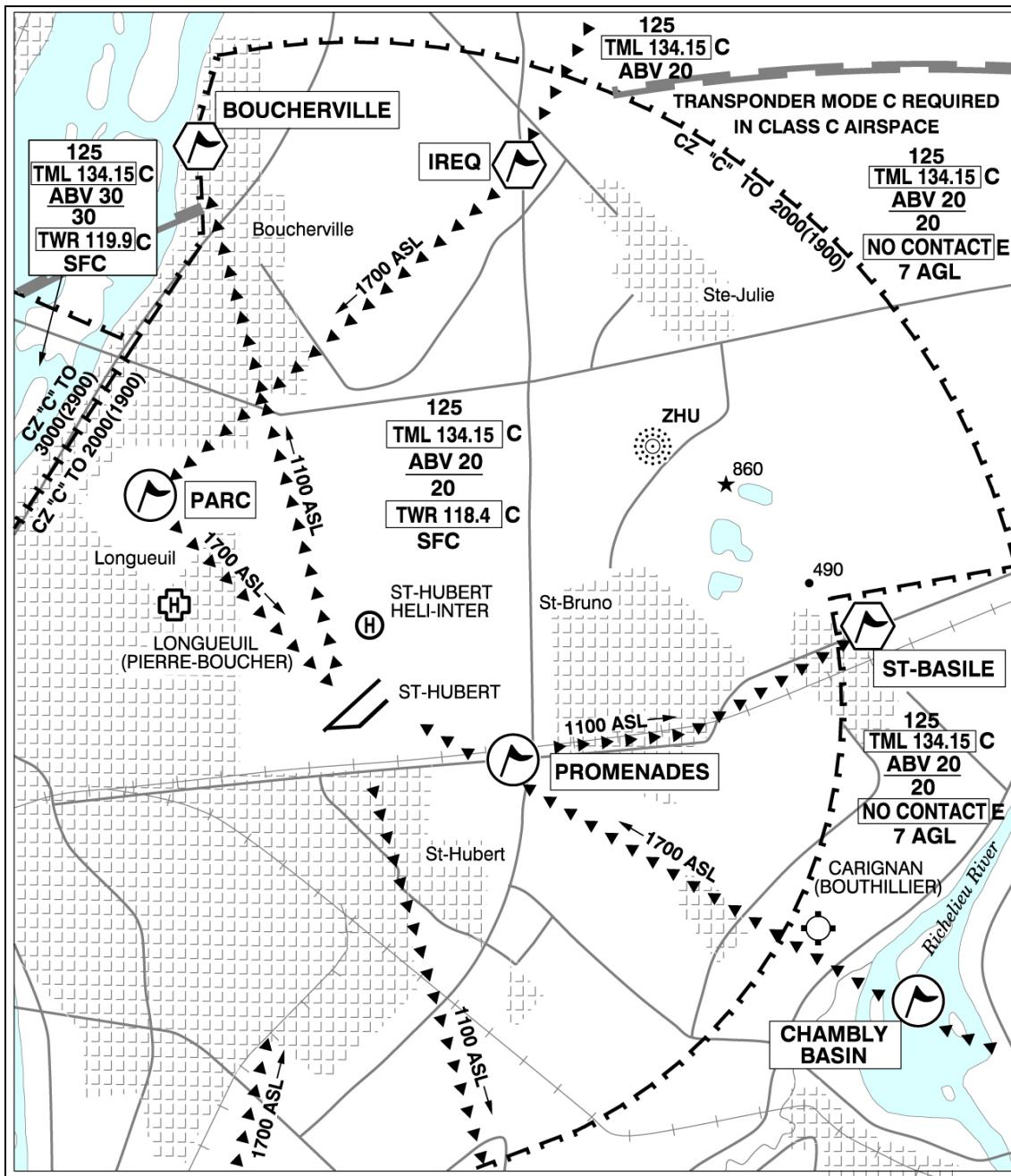
- ARR from Chambly Basin and St-Philippe-de-la-Prairie, unless otherwise specified by ATC, proceed to Promenades St-Bruno to join mid-downwind for Runways 06R or 24L. Not below 1,700 ASL.
- ARR from Varennes Quarry, unless otherwise specified by ATC, proceed to IREQ, then to Parc Michel-Chartrand to join mid-downwind for Runways 06L or 24R. Not below 1,700 ASL.

All VFR aircraft should anticipate arrival and departure instructions from ATC. See chart in Figure 2, "Montréal / St-Hubert VFR Arrivals and Departures Procedures Chart", on the following page for more details.

These changes will take effect on 25 April 2019, at 0901Z Coordinated Universal Time (UTC).



**Figure 1: Montréal / St-Hubert VFR Terminal Procedures Chart
(NOT SUITABLE FOR NAVIGATION)**



**Figure 2: Montréal / St-Hubert VFR Arrivals and Departures Procedure Chart
(NOT SUITABLE FOR NAVIGATION)**

James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 26/19

CRANE—VANCOUVER, BRITISH COLUMBIA

A crane will be working in Vancouver, British Columbia. The maximum height is 465 feet above ground level (AGL) or 475 feet above sea level (ASL). The structure will be lighted and not painted.

The crane will be located within a 100-foot radius centred at the following coordinates:

49° 17' 06" N 123° 06' 46" W

The crane is approximately 0.3 nautical miles (NM) southwest (SW) of Vancouver/Harbour Public Heliport (CBC7). Details of any procedure changes implemented due to these activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 25/19

MULTIPLE CRANES—SCOTFORD, ALBERTA

Multiple cranes will be working in Scotford, Alberta. The maximum height is 590 feet above ground level (AGL) or 2,664 feet above sea level (ASL). The structures will be lighted and not painted.

The cranes will be located within an 800-foot radius centred at the following coordinates:

53° 46' 38" N 113° 07' 53" W

The cranes are approximately 3 nautical miles (NM) south southeast (SSE) of Redwater Pembina Heliport (CRP3). Details of any procedure changes implemented due to these crane activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 24/19

MULTIPLE DRILLING RIGS—CONKLIN, ALBERTA

Multiple drilling rigs will be operating in Conklin, Alberta. The maximum height is 145 feet above ground level (AGL) or 2,052 feet above sea level (ASL). The structures will be lighted and painted.

The drilling rigs will be located within a 1.5 nautical mile (NM) radius centred at the following coordinates:

55° 39' 15" N 110° 46' 17" W

The drilling rigs are approximately 1.7 NM northwest (NW) of Christina Lake Airport (CCL3). Details of any procedure changes implemented due to these drilling rig activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 23/19

CRANE—VICTORIA, BRITISH COLUMBIA

A crane will be erected in Victoria, British Columbia. The maximum height is 170 feet above ground level (AGL) or 208 feet above sea level (ASL). The structure will be lighted and painted.

The crane will be located within a 152-foot radius centred at the following coordinates:

48° 25' 24.16" N 123° 22' 07.53" W

The crane is approximately 0.7 nautical miles (NM) east northeast (ENE) of Victoria Harbour Water Aerodrome (CYWH). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 22/19

MULTIPLE DRILLING RIGS—CONKLIN, ALBERTA

Multiple drilling rigs will be operating in Conklin, Alberta. The maximum height is 145 feet above ground level (AGL) or 2,022 feet above sea level (ASL). The structures will be lighted and not painted.

The drilling rigs will be located within a 1.2 nautical mile (NM) radius centred at the following coordinates:

55° 40' 05" N 110° 46' 31" W

The drilling rigs are approximately 3 NM north northwest (NNW) of Christina Lake Airport (CCL3). Details of any procedure changes implemented due to these drilling rig activities will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 21/19

CHANGES TO VFR FREQUENCY ASSIGNMENT WINNIPEG TERMINAL CONTROL AREA 25 APRIL 2019

Frequency assignment to VFR aircraft within the Winnipeg terminal control area (TCA) is changing to better align air traffic control responsibilities and accommodate anticipated growth in air traffic.

Changes take effect 25 April 2019 at 0901Z Coordinated Universal Time (UTC). Refer to this supplement until the amended Winnipeg VFR terminal area chart (VTA) is available on 20 June 2019.

Frequency Assignment

The Winnipeg TCA will be divided into two areas based on a north/south boundary bisecting James Armstrong Richardson International Airport, Winnipeg, Manitoba (CYWG). VFR aircraft operating at 3,000 feet above sea level (ASL) or higher in Class C airspace will contact Winnipeg Terminal as follows:

- **121.0 MHz** west of the boundary
- **119.9 MHz** east of the boundary

The boundary and frequency assignment “stacks” will be depicted on the Winnipeg VTA. See Figure 1 and Figure 2 on the following pages.

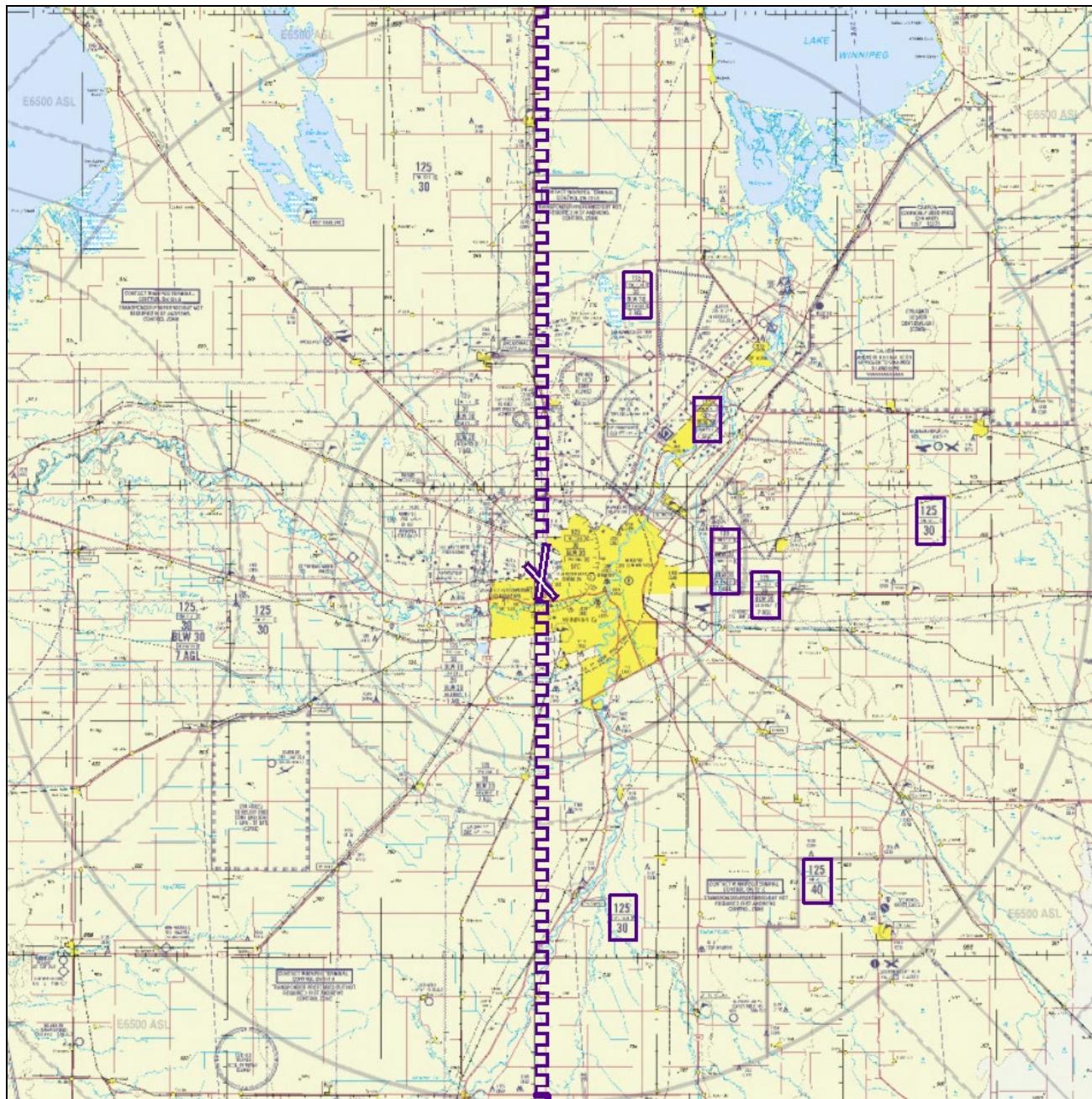


Figure 1: Sector Boundary and Stack Outlines (NOT SUITABLE FOR NAVIGATION)

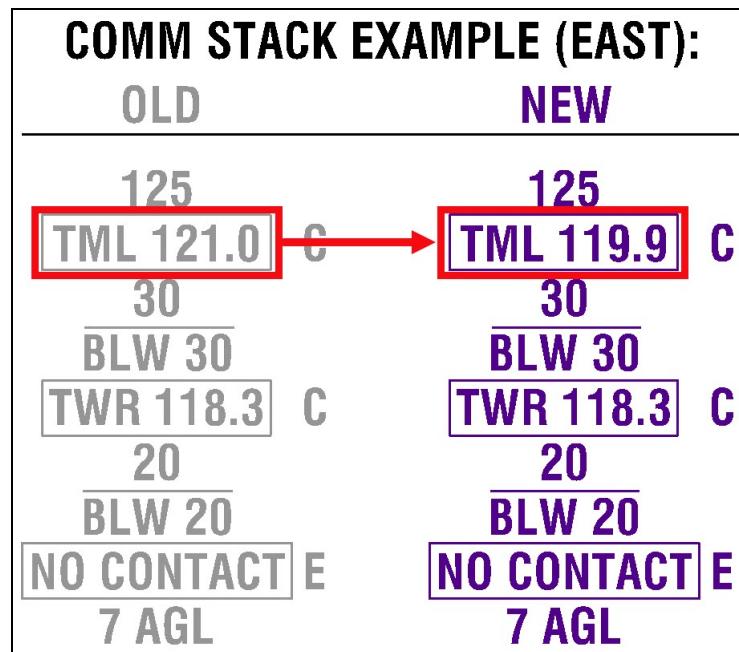


Figure 2: Comm Stack (EAST) Example

For further information, please contact:

NAV CANADA
Customer Service
77 Metcalfe Street
Ottawa, ON K1P 5L6

Tel.: 800-876-4693
Fax: 877-663-6656
E-mail: service@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 20/19

QUEBEC REGION RESTRICTIONS TO AIRSPACE OVER 10 PROVINCIAL DETENTION FACILITIES

At the request of Correctional Services, in the interest of public safety, Transport Canada has agreed to restrict access to airspace over and around selected detention facilities (prisons). The altitude and radius of the restricted airspace is specific to each facility and does not exceed 1NM in radius and 1000 feet AGL in height rounded to the next 100 feet ASL.

The restrictions will be in effect as long as required, which is expected to be the end of 2019.

If there is a legitimate requirement to enter the restricted airspace, such as powerline or pipeline inspection or any other legitimate operation, approval may be requested from Correctional Services as indicated below. State aircraft, MEDEVAC flights and IFR aircraft following an ATC clearance are exempted and need not obtain prior permission from Correctional Services.

The following restrictions are in effect:

Pursuant to section 5.1 of the Aeronautics Act, the areas described below are restricted. No person shall operate an aircraft, including an unmanned air vehicle (UAV-drone-RPAS) and model aircraft, within these areas, unless authorized by the Security Director, Correctional Services at 514-864-8010 ext 50502, except IFR aircraft on an ATC clearance, MEDEVAC and state aircraft.

Orsainville detention facility (Quebec City)

The airspace within a 1 NM radius centered on 46°53'15"N 71°18'58"W surface to 1200 ASL.

Approximately 7 NM North-East of Quebec/Jean Lesage International airport (CYQB).



Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

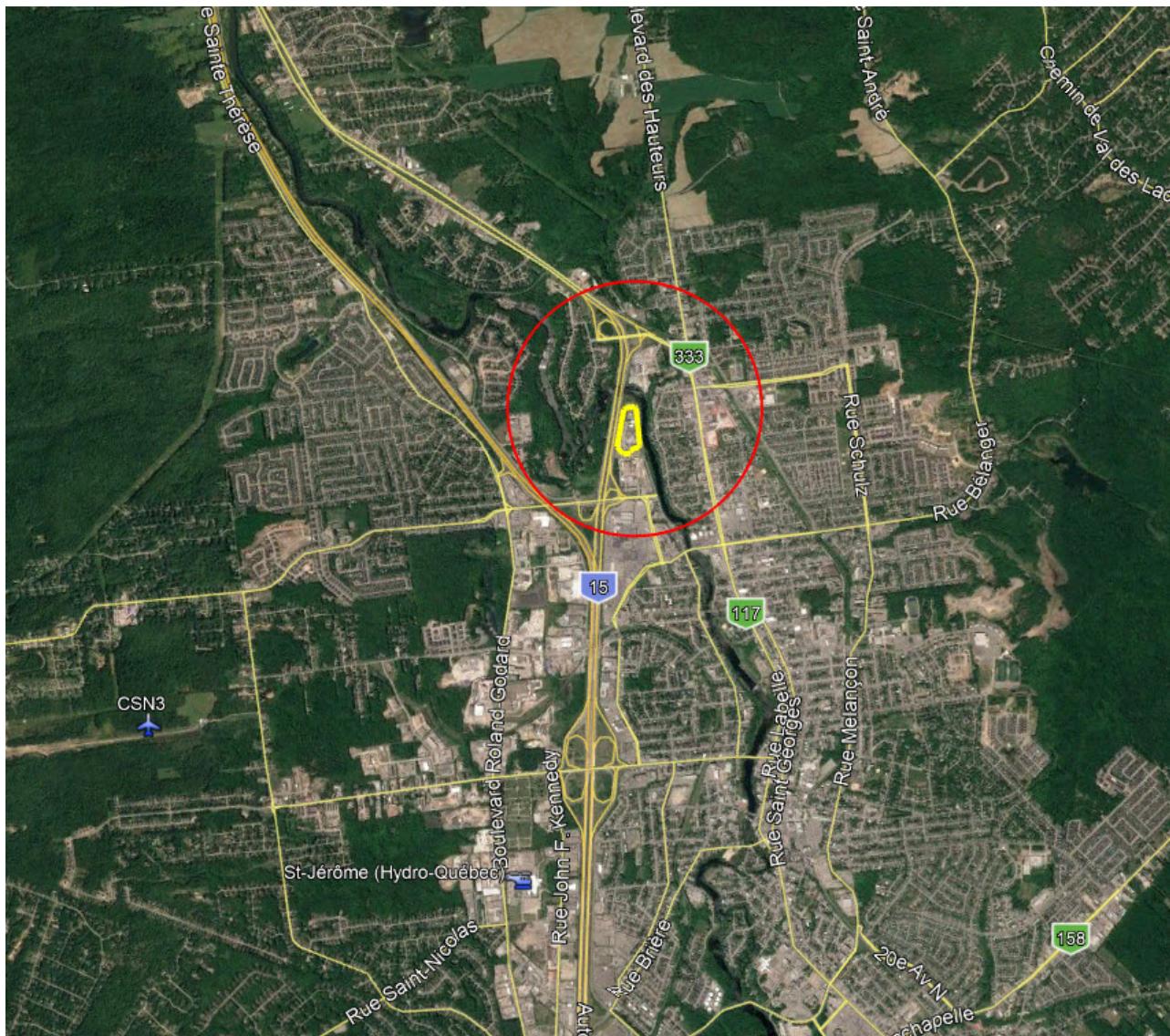
Blue line represents the Québec/Jean Lesage International airport's Class C control zone limits.

Saint-Jérôme detention facility

The airspace within a 0.5 NM radius centered on 45°48'10"N 74°01'03"W surface to 1400 ASL.

Approximately 2 NM North-North-East of St-Jérôme (Hydro-Québec) Heliport (CSZ6).

Approximately 2 NM East-North-East of St-Jérôme aerodrome (CSN3).

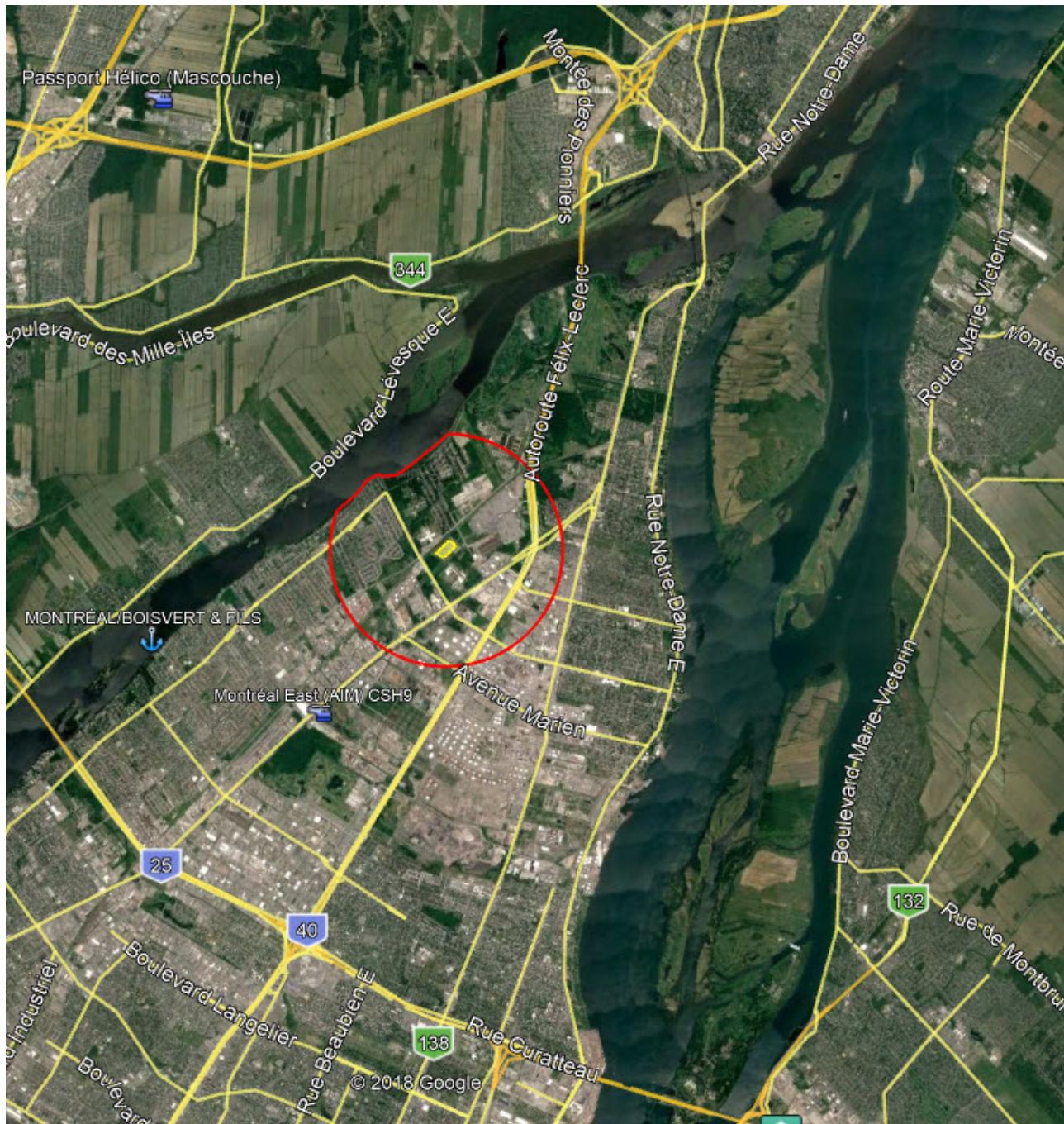


Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Rivière-des-Prairies detention facility

The airspace within a 1 NM radius centered on 45°39'37"N 73°32'11"W surface to 1100 ASL, excluding the portion over the river.

Approximately 2 NM North-East of Montreal East (AIM) Heliport (CSH9).

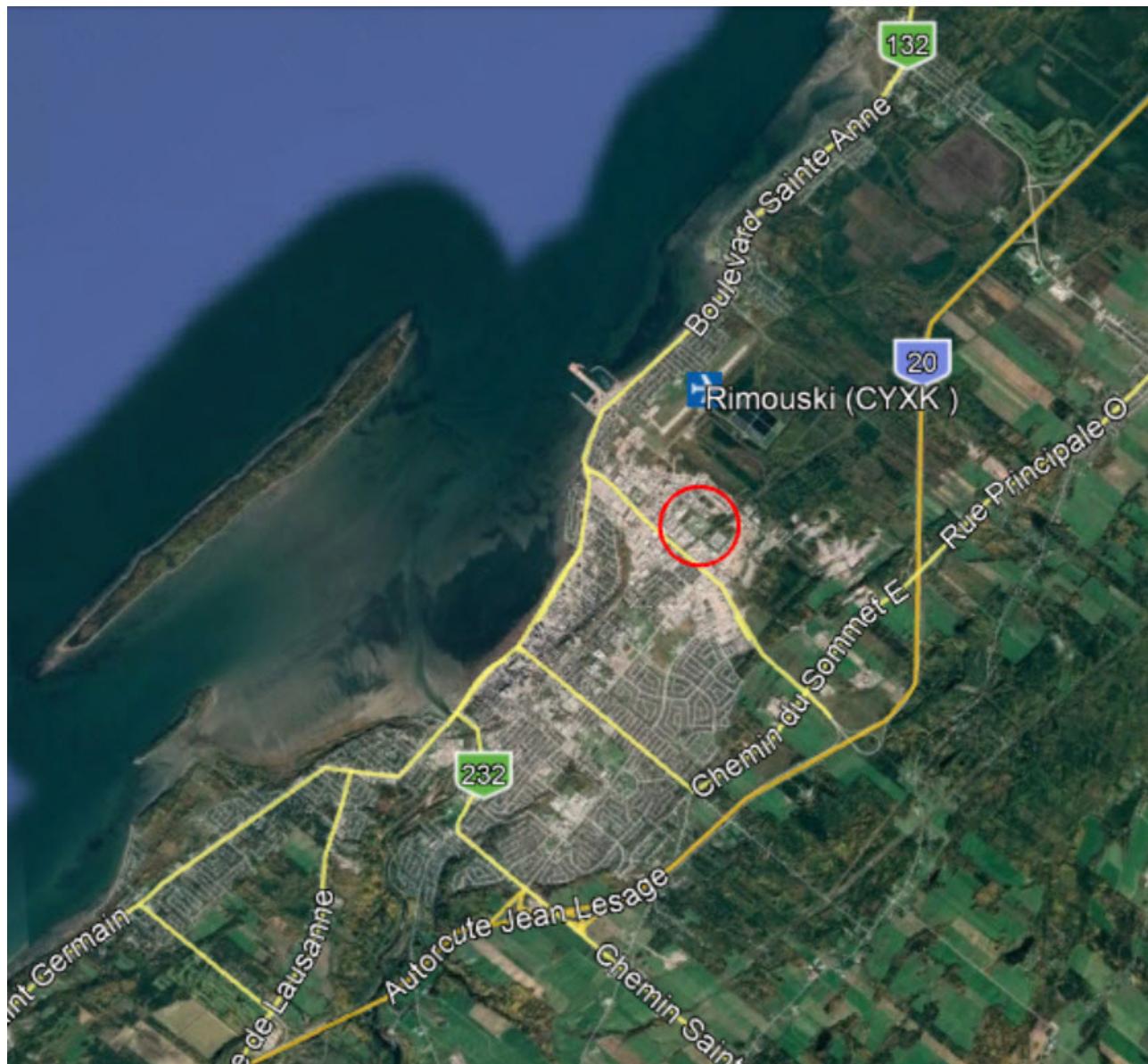


Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Rimouski detention facility

The airspace within a 0.25 NM radius centered on 48°27'48"N 68°29'55"W surface to 500 ASL.

Approximately 1 NM South-South-West of Rimouski aerodrome (CYXK).

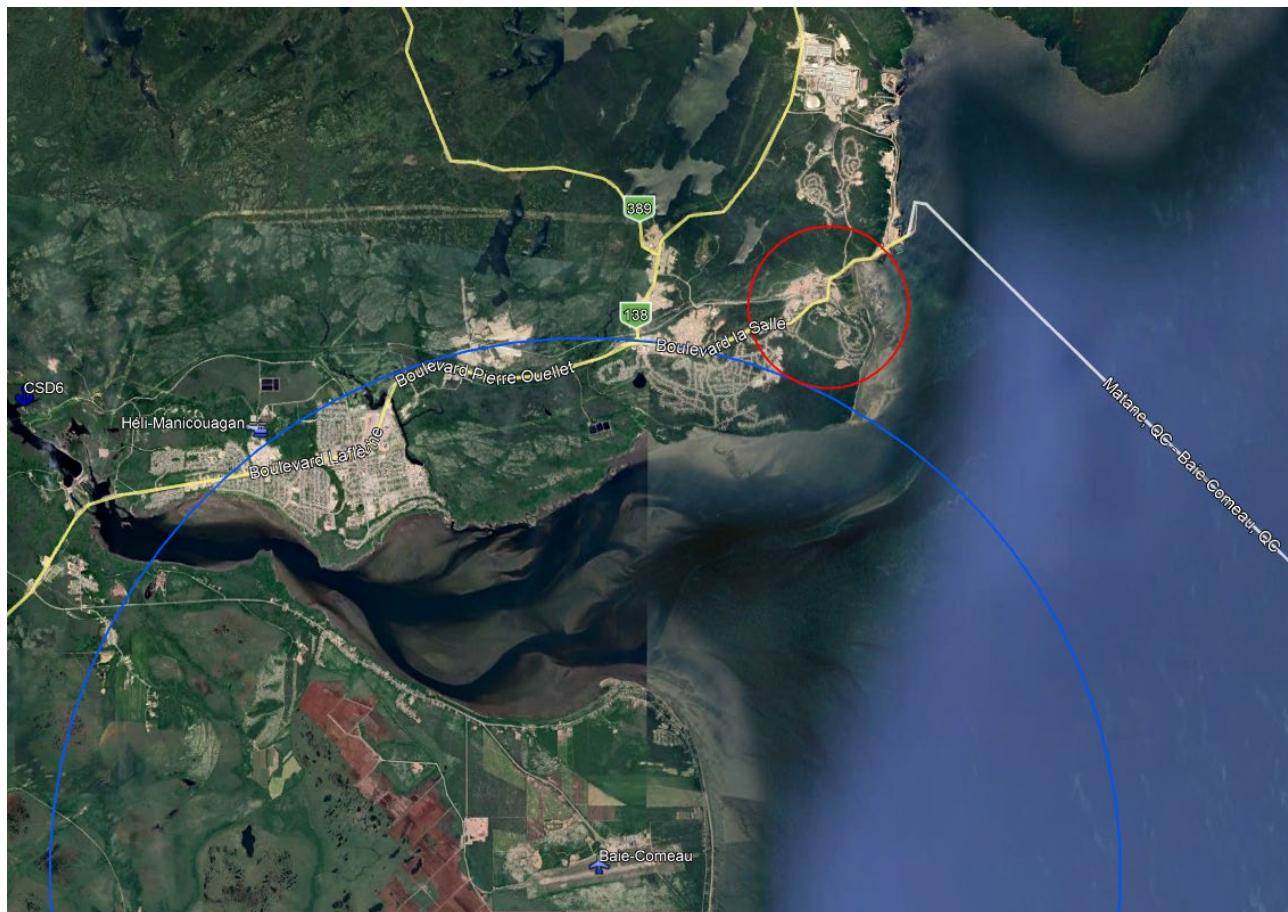


Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Baie-Comeau detention facility

The airspace within a 0.75 NM radius centered on 49°13'12"N 68°08'59"W surface to 1100 ASL.

Approximately 6 NM North-East of Baie-Comeau airport (CYBC).



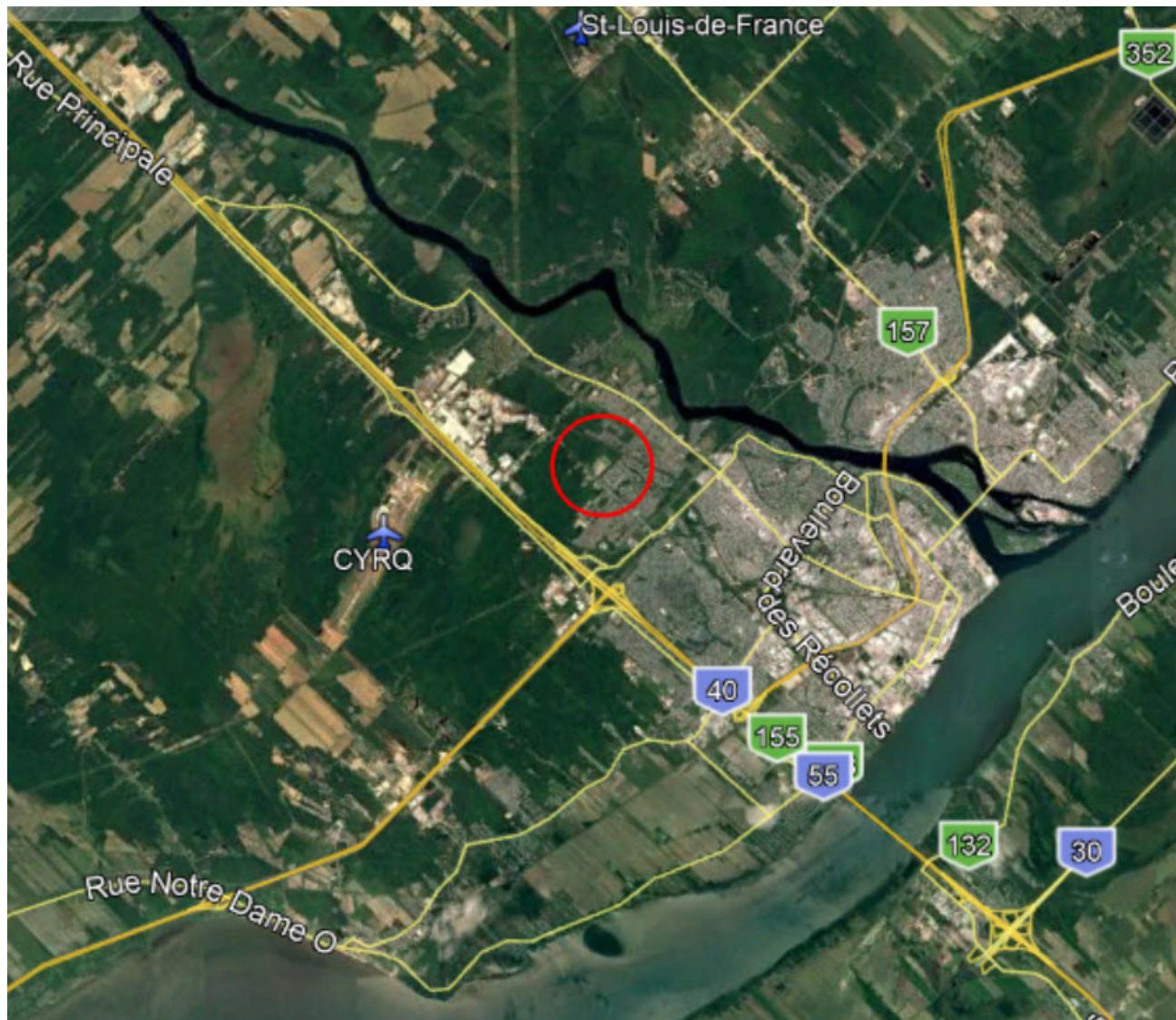
Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Blue circle represents the airports' Class E control zone and MF areas.

Trois-Rivières detention facility

The airspace within a 0.25 NM radius centered on 46°22'00"N 72°37'34"W surface to 500 ASL.

Approximately 2 NM East of Trois-Rivières airport (CYRQ).

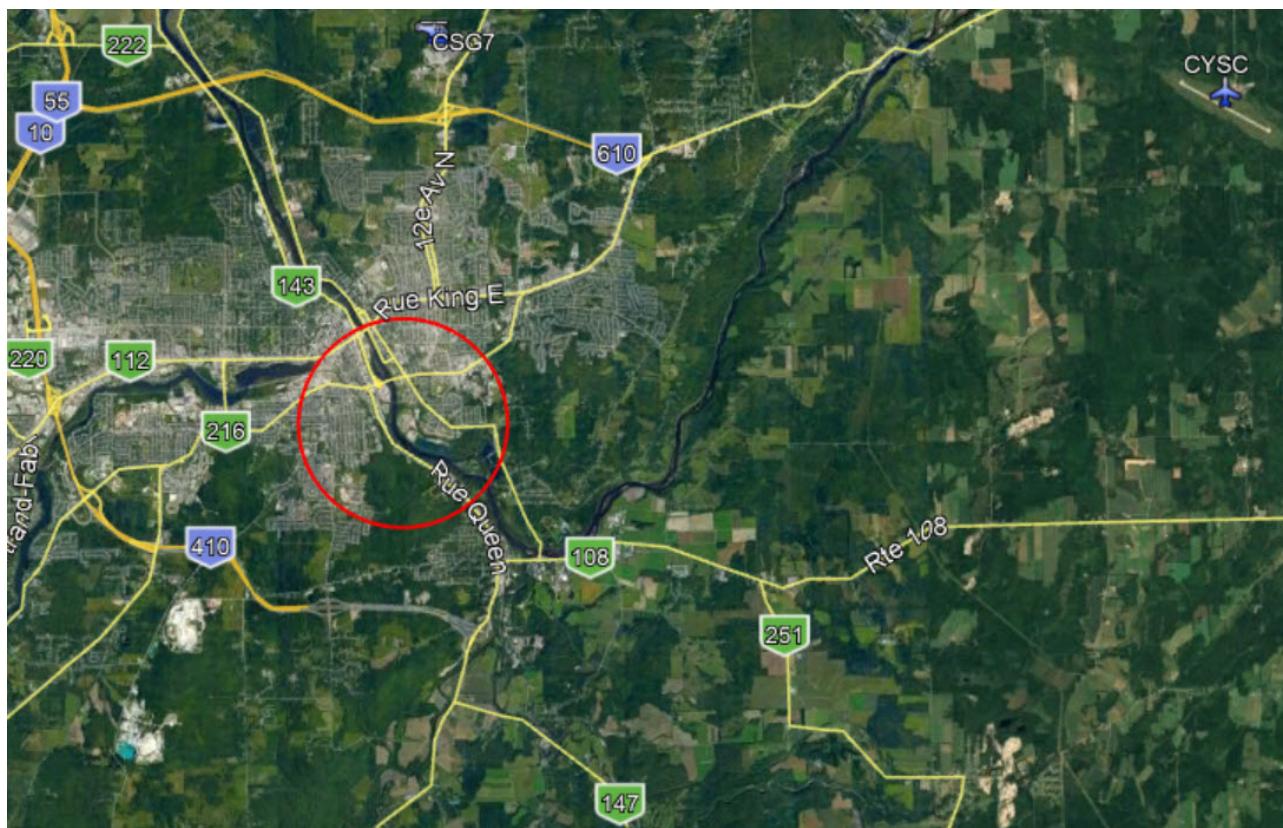


Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Sherbrooke detention facility

The airspace within a 1 NM radius centered on 45°23'18"N 71°52'41"W surface to 1500 ASL.

Approximately 4 NM South of Sherbrooke (CHUS)/Francois Desourdy heliport (CSG7).

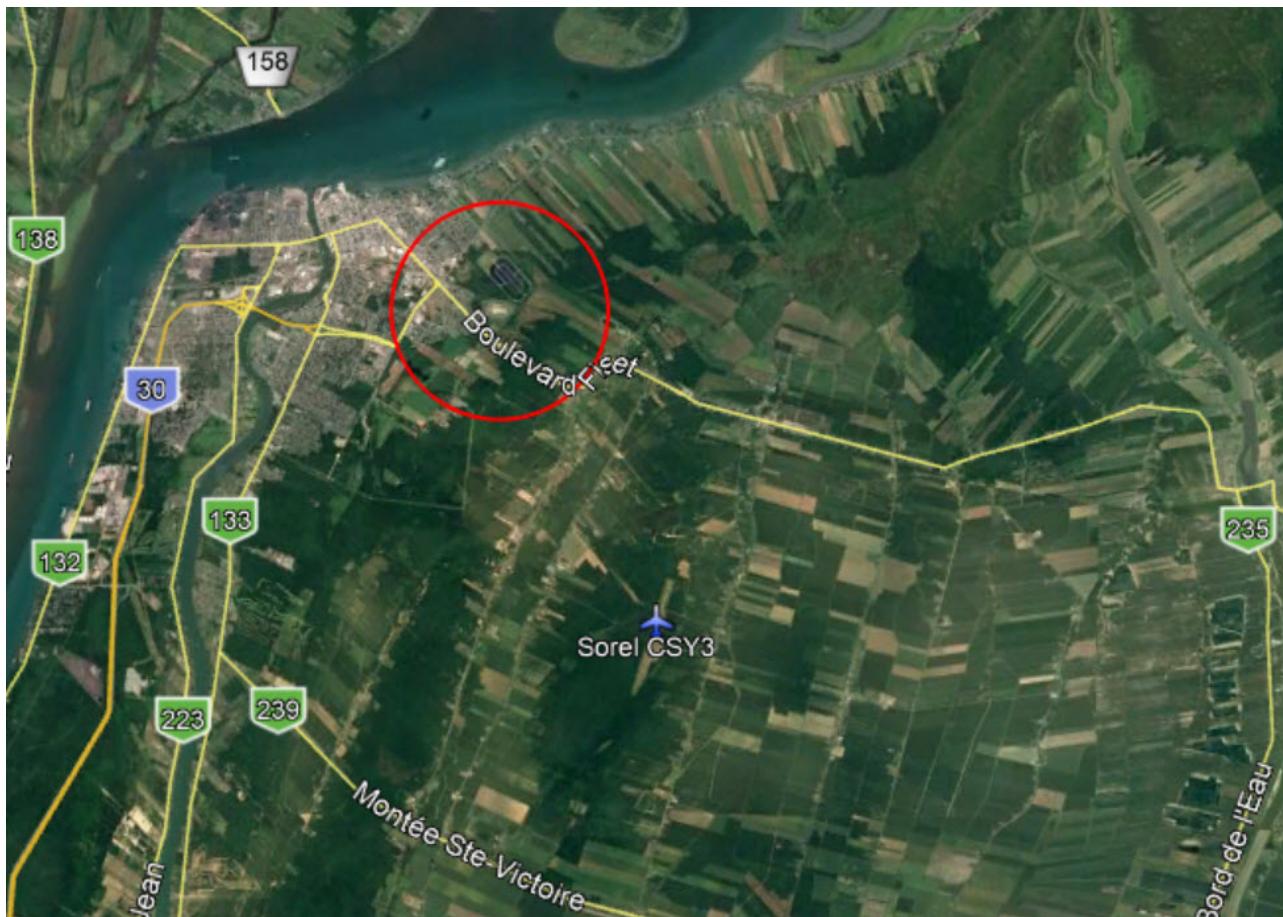


Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Sorel detention facility

The airspace within a 1 NM radius centered on 46°01'49"N 73°04'40"W surface to 1000 ASL.

Approximately 3 NM North-North-West of Sorel aerodrome (CSY3).



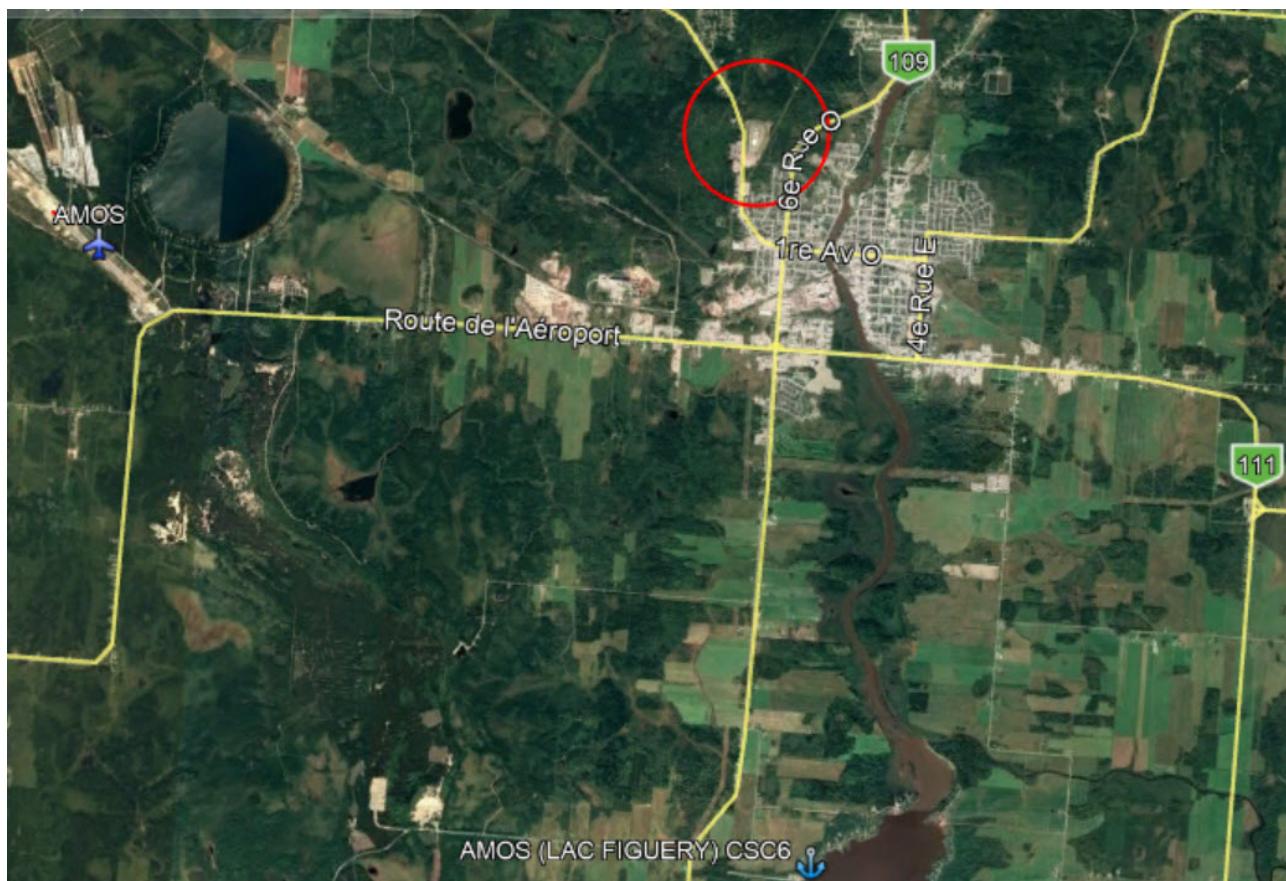
Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Amos detention facility

The airspace within a 0.5 NM radius centered on 48°35'06"N 78°08'14"W surface to 2000 ASL.

Approximately 5 NM East of Amos/Magny aerodrome (CYEY).

Approximately 5NM North of Amos (Lac Figuery) water aerodrome (CSC6).

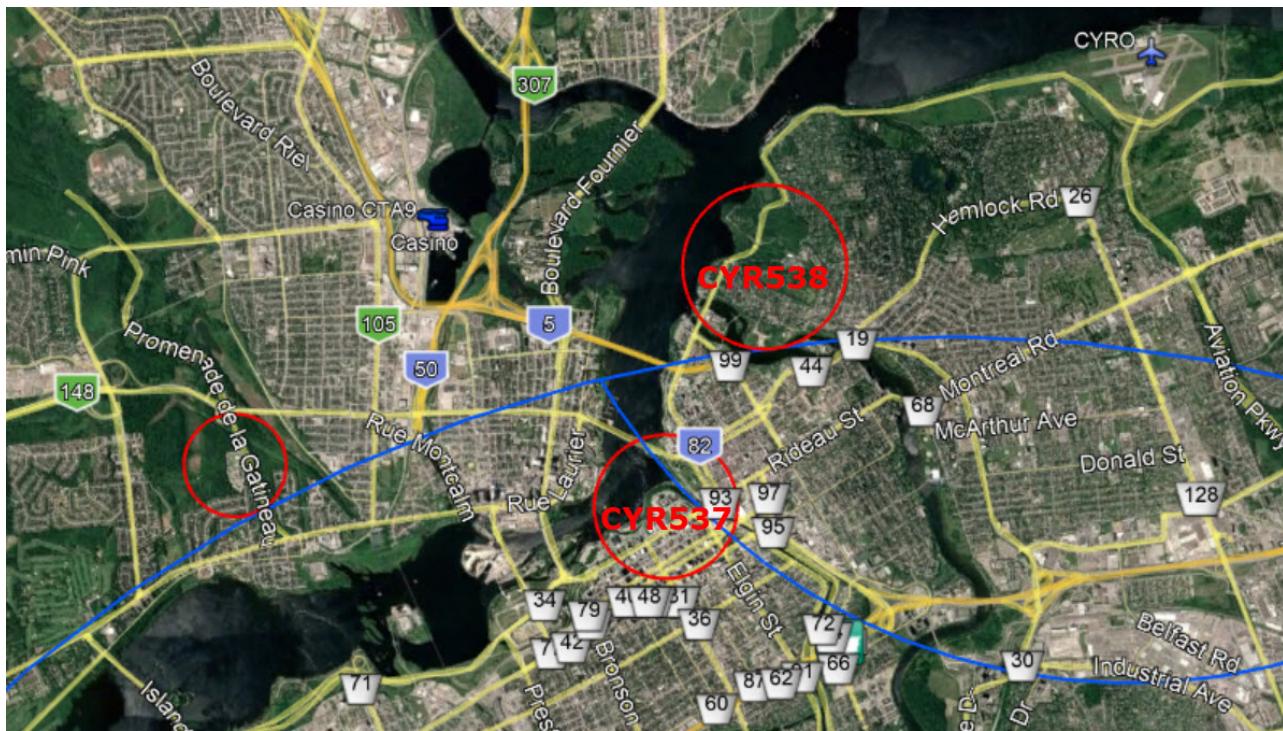


Restricted area depicted in red – NOT FOR NAVIGATION PURPOSES.

Hull detention facility

The airspace within a 0.25 NM radius centered on 45°25'41"N 75°44'58"W surface to 1200 ASL.

Approximately 1.5 NM South-West of Ottawa/Gatineau (Casino) heliport (CTA9).



Restricted area depicted in red on left of image – NOT FOR NAVIGATION PURPOSES.

Blue line represents the Ottawa/Macdonald-Cartier International airport's Class C control zone limits.

Alain Carrier
Regional Director
Civil Aviation, Quebec Region

AIP CANADA (ICAO) SUPPLEMENT 19/19

MULTIPLE CRANES—OSHAWA, ONTARIO

Multiple cranes will be operating in Oshawa, Ontario. The maximum height is 167 feet above ground level (AGL) or 619 feet above sea level (ASL). The cranes will be lighted and painted.

The cranes will be operating within a 360-foot radius centred at the following coordinates:

43° 55' 28" N 078° 55' 10" W

The cranes are approximately 1 nautical mile (NM) west northwest (WNW) of Toronto / Oshawa Executive Airport (CYOO). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 18/19

MULTIPLE CRANES RICHMOND, BRITISH COLUMBIA

Two cranes will be operating in Richmond, British Columbia. The maximum height is 259 feet above ground level (AGL) or 271 feet above sea level (ASL). The cranes will be lighted and painted.

The cranes will be operating within a 410-foot radius centred at the following coordinates:

49° 10' 32" N 123° 08' 54" W

The cranes are approximately 1.8 nautical miles (NM) east southeast (ESE) from Vancouver International Airport (CYVR). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 17/19

CRANE—TORONTO, ONTARIO

A crane will operate in Toronto, Ontario. The maximum height is 338 feet above ground level (AGL) or 834 feet above sea level (ASL). The crane will not be lighted and it will not be painted.

The crane will be operating within a 132-foot radius centered at the following coordinates:

43° 41' 12" N 79° 24' 10" W

This location is approximately 1.9 nautical miles (NM) north (N) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 16/19

MULTIPLE CRANES VANCOUVER, BRITISH COLUMBIA

Multiple cranes will be erected in Vancouver, British Columbia. The maximum height is 486 feet above ground level (AGL) or 600 feet above sea level (ASL). These structures will be lighted but not painted.

These cranes will be operating within 350-foot radius centred at the following coordinates:

49° 16' 51" N 123° 06' 50" W

These multiple cranes are approximately 0.5 nautical miles (NM) south southwest (SSW) of Vancouver Harbour Public Heliport (CBC7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 15/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 382 feet above ground level (AGL) or 773 feet above sea level (ASL). The structures will be neither lighted nor painted.

The cranes will be located within a 245-foot radius centred at the following coordinates:

43° 40' 29" N 79° 23' 58" W

The cranes are approximately 1.2 nautical miles (NM) north northwest (NNW) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 14/19

CRANE—VANCOUVER, BRITISH COLUMBIA

A tower crane will be erected in Vancouver, British Columbia. The maximum height is 137 feet above ground level (AGL) or 217 feet above sea level (ASL). The crane will be neither lighted nor painted.

The crane will be operating within a 157-foot radius centred at the following coordinates:

49° 15' 58" N 123° 06' 02" W

The crane is approximately 1.0 nautical mile (NM) east northeast (ENE) from Vancouver General Hospital Heliport (CBK4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 13/19

MULTIPLE CRANES—RICHMOND, BRITISH COLUMBIA

Multiple cranes will be erected in Richmond, British Columbia. The maximum height is 255 feet above ground level (AGL) or 260 feet above sea level (ASL). The structures will be lighted, but not painted.

The cranes will be located within a 435-foot radius centred at the following coordinates:

49° 11' 23" N 123° 07' 59" W

The cranes are approximately 1.4 nautical miles (NM) east northeast (ENE) of Vancouver International Water Aerodrome (CAM9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 12/19

CRANE—CALGARY, ALBERTA

A crane will be erected in Calgary, Alberta. The maximum height is 361 feet above ground level (AGL) or 3,960 feet above sea level (ASL). The structure will be lighted, but not painted.

The crane will be located within a 197-foot radius centred at the following coordinates:

51° 04' 04" N 114° 06' 57" W

The crane is approximately 0.7 nautical miles (NM) east northeast (ENE) of Calgary Foothills Hospital McCaig Tower Heliport (CMT3). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 11/19

LUFFING CRANE—TORONTO, ONTARIO

A luffing crane will be erected in Toronto, Ontario. The maximum height is 402 feet above ground level (AGL) or 941 feet above sea level (ASL). The structure will be lighted and painted.

The crane will be located within a 131-foot radius centred at the following coordinates.

43° 42' 21" N 79° 23' 35" W

The crane is approximately 1.4 nautical miles (NM) southwest (SW) of Toronto Sunnybrook Medical Centre Heliport, (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 10/19

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 302 feet above ground level (AGL) or 860 feet above sea level (ASL). The crane will be lighted, but not painted.

The crane will be located within a 214-foot radius centred at the following coordinates:

43° 42' 03" N 79° 25' 34" W

The crane is approximately 3 nautical miles (NM) west southwest (WSW) from Toronto Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 9/19

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 499 feet above ground level (AGL) or 784 feet above sea level (ASL). The crane will be lighted, but not painted.

The crane will be located within a 164-foot radius centred at the following coordinates:

43° 38' 19" N 79° 24' 41" W

The crane is approximately 0.8 nautical miles (NM) northwest (NW) from Toronto Billy Bishop Toronto City Airport (CYTZ). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 8/19

CRANES—NORTH YORK, ONTARIO

Multiple cranes will be erected in North York, Ontario. The maximum height is 493 feet above ground level (AGL) or 1,005 feet above sea level (ASL). The structures will be lighted and marked.

The cranes will be located within a 300-foot radius centred at the following coordinates:

43° 46' 01" N 079° 22' 19" W

The cranes are approximately 3 nautical miles (NM) north (N) of Toronto Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 7/19

QUEBEC REGION CRANES FOR THE CONSTRUCTION OF THE NEW CHAMPLAIN BRIDGE DECEMBER 2018 – JUNE 2019

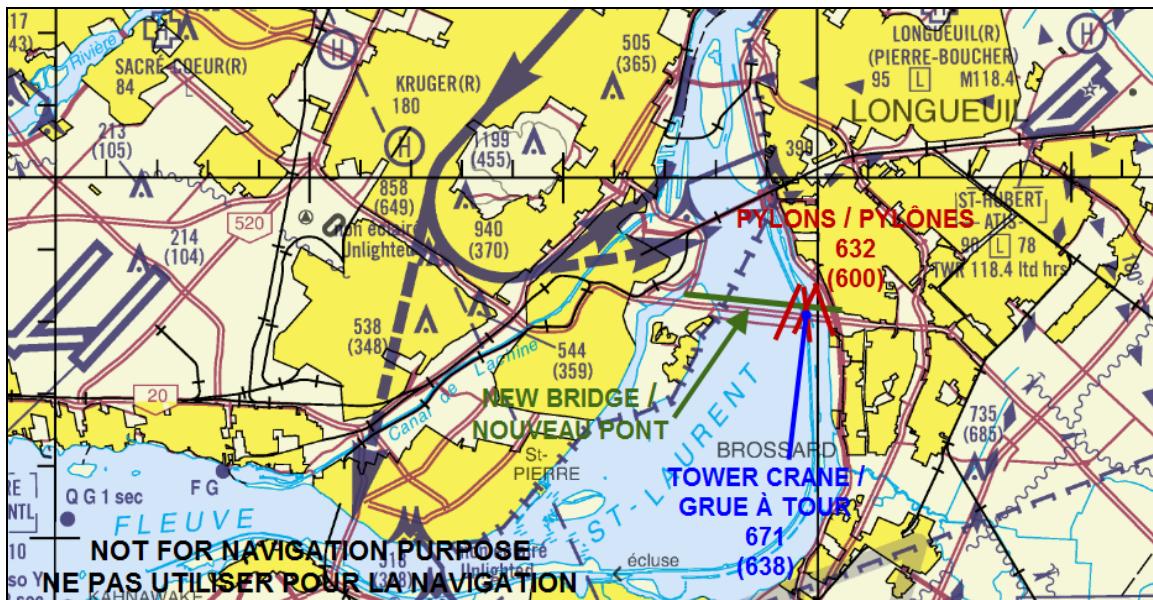
(Replaces AIP Supplement 4/18)

Infrastructure Canada has chosen Signature on the St. Lawrence Group to carry out construction of the new Champlain Bridge over the St. Lawrence River linking Montréal and the South Shore.

For this project, several unlighted mobile cranes will be used along the length of the new structure at heights up to 360 ft above the river or about 460 ft above mean sea level (AMSL); these cranes will be mounted on temporary embankments or on barges.

For the construction of the two permanent bridge pylons, which will reach a height of 600 ft above the river (approx. 632 ft AMSL), a tower crane will be erected between the future pylons at a maximum height of 638 ft above the river (or 671 ft AMSL). The pylons and the tower crane will be marked with flashing red lights (see sketch).

NOTAM has been issued to indicate the operating period of the tower crane. An additional NOTAM will be issued at the completion of the construction of the pylons.



Gino Dufour
Associate Director, Operations
Civil Aviation, Quebec Region

AIP CANADA (ICAO) SUPPLEMENT 5/19

CRANE—TORONTO, ONTARIO

One crane will be erected in Toronto, Ontario. The maximum height is 433 feet above ground level (AGL) or 714 feet above sea level (ASL). The structure will be lighted and painted.

The crane will be operating within a 164-foot radius centred at the following coordinates:

43° 38' 33.5" N 79° 23' 43.7" W

The crane is approximately 0.6 nautical miles (NM) north (N) of Toronto/Billy Bishop Toronto City Water Aerodrome (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 4/19

TOWER CRANE VANCOUVER, BRITISH COLUMBIA

A tower crane will be erected in Vancouver, British Columbia. The maximum height is 598 feet above ground level (AGL) or 744 feet above sea level (ASL). The structures will be lighted and painted.

The crane will be operating within a 175-foot radius centred at the following coordinates:

49° 16' 00" N 122° 59' 58" W

The crane is approximately 4 nautical miles (NM) east (E) of Vancouver/Harbour Public Heliport (CBC7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 3/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 626 feet above ground level (AGL) or 1,007 feet above sea level (ASL). The structure(s) will be lighted.

The cranes will be operating within a 300-foot radius centred at the following coordinates:

43° 40' 18.0599" N 79° 22' 19.0152" W

Multiple cranes are approximately 1.1 nautical miles (NM) north northeast (NNE) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 2/19

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 424 feet above ground level (AGL) or 995 feet above sea level (ASL). The structure(s) will be lighted, but not painted.

The cranes will be operating within a 260-foot radius centred at the following coordinates:

43° 36' 34.20" N 79° 39' 20.53" W

The cranes are approximately 3 nautical miles (NM) south (S) of Toronto/Tarten Heliport (CPA5). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 1/19

CLOSURE OF THE AIR TRAFFIC CONTROL TOWER AND CONTRACT WEATHER OFFICE TORONTO/BUTTONVILLE, ONTARIO

(Replaces AIC 41/18)

NAV CANADA, the country's provider of civil air navigation services, conducted an aeronautical study that reviewed the air traffic and aviation weather services (AWS) at the Toronto/Buttonville airport. The study recommended closing the air traffic control (ATC) tower and contract weather office (CWO).

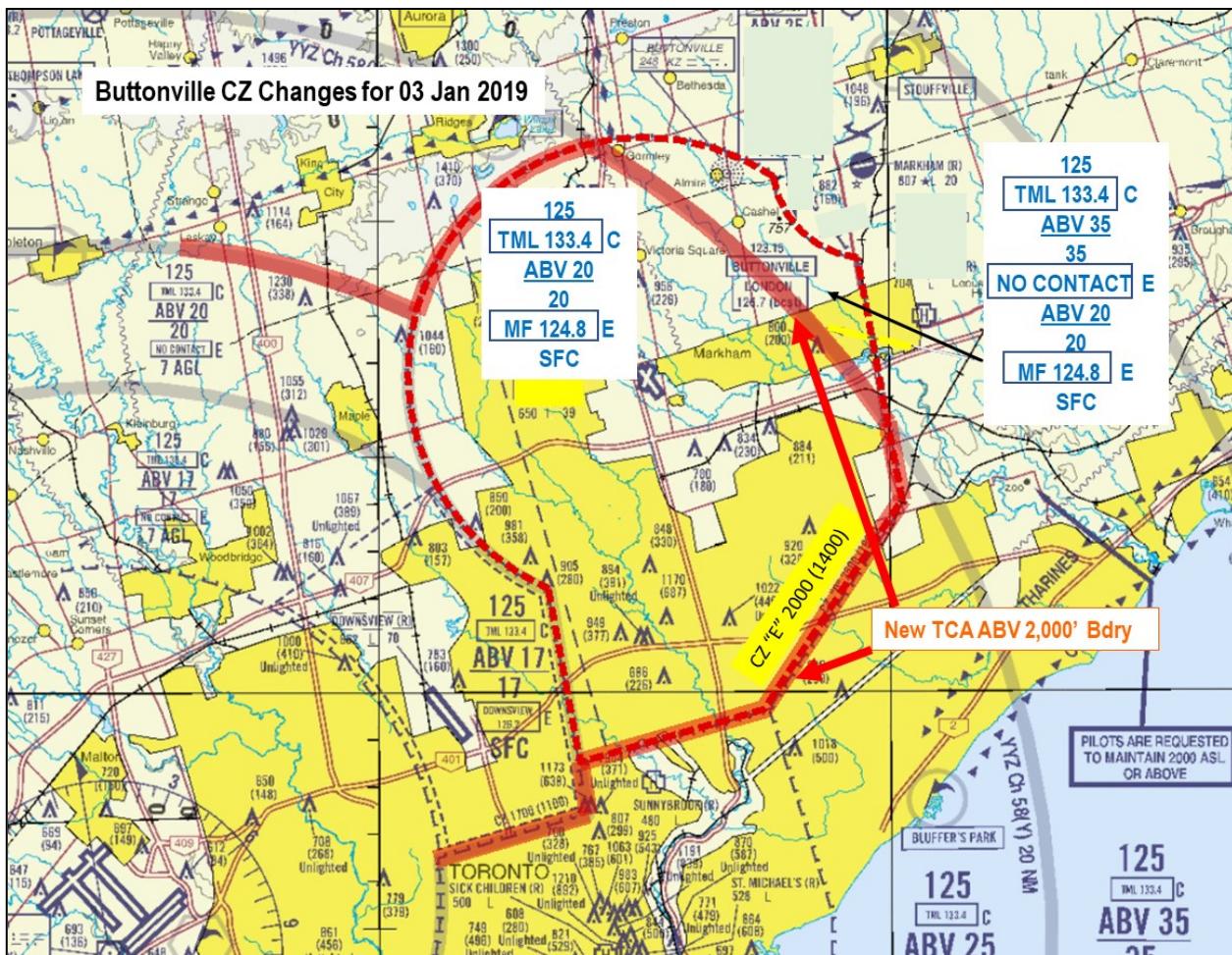
The part-time control tower service with Class D control zone (CZ) will be replaced with a mandatory frequency (MF) area using the current tower very high frequency (VHF) frequency 124.8 MHz. The CZ will become Class E airspace for 24-hours per day.

Note that a portion of the CZ ceiling was lowered to 2,000 feet altitude above sea level (ASL) and the above (ABV) 2,000 feet ASL Toronto terminal control area (TCA) boundary was adjusted as per AIP Supplement 50/18 on 13 September 2018. See the map sketch below for a depiction of the final CZ and TCA airspace changes resulting from the aeronautical study.

Instrument flight rules (IFR) approach clearances will continue to be issued directly to pilots from the Toronto area control center (ACC) on the terminal frequency 133.4 MHz. Arrival reports can be made to the London Flight Information Centre (FIC) after landing via the on-site remote communications outlet (RCO) on 123.15 MHz or by telephone. IFR departure clearances can be obtained from the London FIC via phone, the RCO, or direct from the ACC on 133.4 MHz airborne after a VFR departure.

The 24-hour aviation weather observation service provided by the CWO will be replaced with a Limited Weather Information System (LWIS). The LWIS provides hourly wind direction and speed, altimeter, temperature and dew point information. This information will be available 24-hours per day from the London FIC via the RCO on 123.15 MHz or from the Toronto ACC on 133.4 MHz while airborne. The aerodrome forecast (TAF) for the Buttonville airport will be cancelled.

The closure of the Buttonville control tower and CWO will take effect 03 January 2019 at 0901Z Coordinated Universal Time (UTC). The appropriate aeronautical publications will be amended. Refer to this supplement and AIP Supplement 50/18 until the next editions of the Toronto VFR Terminal Area Chart (VTA) AIR 1900 and VFR Navigation Chart (VNC) AIR 5000 become available in April 2019.



For further Information, please contact:

NAV CANADA
Customer Service
77 Metcalfe Street
Ottawa, ON K1P 5L6

Tel.: 800-876-4693
Fax: 877-663-6656
E-mail: service@navcanada.ca

James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 71/18

TOWER CRANE—TORONTO, ONTARIO

One tower crane will be erected in Toronto, Ontario. The maximum height is 400 feet above ground level (AGL) or 776 feet above sea level (ASL). The structure will be lighted.

The crane will be operating within a 197-foot radius, centred at the following coordinates:

43° 40' 09.14" N 79° 23' 40.77" W

One tower crane is approximately 0.8 nautical miles (NM) north northwest (NNW) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 70/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 486 feet above ground level (AGL) or 1,043 feet above sea level (ASL). The structures will not be lighted, and will not be painted.

The cranes will be operating within a 210-foot radius, centred at the following coordinates:

43° 46' 48" N 79° 16' 55.33" W

Multiple cranes are approximately 5 nautical miles (NM) east northeast (ENE) of Toronto Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 69/18

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 148 feet above ground level (AGL) or 528 feet above sea level (ASL). This structure will be lighted, but not painted.

The crane will be operating within a 132-foot radius, centred at the following coordinates:

43° 40' 52" N 79° 19' 59" W

The crane is approximately 3 nautical miles (NM) east northeast (ENE) of Toronto, St Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office, Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 68/18

MULTIPLE CRANES—KIRKLAND LAKE, ONTARIO

Multiple cranes will be operating in Kirkland Lake, Ontario. The maximum height is 436 feet above ground level (AGL) or 1,557 feet above sea level (ASL). The cranes will be lighted, but not painted.

The cranes will be operating within a 351-foot radius, centred at the following coordinates:

48° 08' 19" N 080° 03' 56" W

The cranes are approximately 5 nautical miles (NM) southwest (SW) of Kirkland Lake Aerodrome (CYKX). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 67/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 304 feet above ground level (AGL) or 613 feet above sea level (ASL). The structures will be lighted.

The cranes will be operating within a 335-foot radius, centred at the following coordinates:

43° 38' 39.3619" N 79° 25' 46.7056" W

Multiple cranes are approximately 1.7 nautical miles (NM) northwest (NW) of Toronto/Billy Bishop Toronto City Water Aerodrome (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 66/18

TOWER CRANE—TORONTO, ONTARIO

A tower crane is operating in Toronto, Ontario. The maximum height is 431 feet above ground level (AGL) or 770 feet above sea level (ASL). The structure is lighted, but not painted.

The crane is operating within a 109-foot radius, centred at the following coordinates:

43° 39' 31" N 79° 23' 44" W

The crane is approximately 0.4 nautical miles (NM) west northwest (WNW) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 65/18

MULTIPLE CRANES—CALGARY, ALBERTA

Multiple cranes will be erected in Calgary, Alberta. The maximum height is 313 feet above ground level (AGL) or 3,900 feet above sea level (ASL). These structures will be lighted, but not painted.

The cranes will be operating within a 540-foot radius, centred at the following coordinates:

51° 04' 02" N 114° 07' 51" W

These cranes are approximately 0.2 nautical miles (NM) northeast (NE) of Calgary Foothills Hospital McCaig Tower(Heliport (CMT3). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 64/18

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 382 feet above ground level (AGL) or 728 feet above sea level (ASL). This structure will be lighted, but not painted.

This crane will be operating within a 164-foot radius, centred at the following coordinates:

43° 39' 30" N 79° 24' 02" W

This crane is approximately 0.6 nautical miles (NM) west northwest (WNW) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Olivier Meier, Manager
Land Use and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 63/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 474 feet above ground level (AGL) or 864 feet above sea level (ASL). The cranes will be lighted but not painted.

The cranes will be operating within a 300-foot radius centred at the following coordinates:

43° 39' 41" N 79° 30' 42" W

The cranes are approximately 3 nautical miles (NM) northeast (NE) from Toronto / Wilson's Heliport (CPY5). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 62/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 1,199 feet above ground level (AGL) or 1,579 feet above sea level (ASL). The structures will be lighted.

The cranes will be operating within a 185-foot radius centred at the following coordinates:

43° 40' 11.5065" N 79° 23' 13.1647" W

Multiple cranes are approximately 0.8 nautical miles (NM) north northeast (NNE) of the Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 61/18

CRANE—CALGARY, ALBERTA

A crane will be erected in Calgary, Alberta. The maximum height is 421 feet above ground level (AGL) or 3,856 feet above sea level (ASL). This structure will be lighted, but not painted.

This crane will be operating within a 164-foot radius at the following coordinates:

51° 02' 31" N 114° 04' 19" W

This crane is approximately 0.7 nautical miles (NM) southeast (SE) of Calgary City/Bow River Heliport (CEL2). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 60/18

CRANE—VANCOUVER, BRITISH COLUMBIA

A crane will be erected in Vancouver, British Columbia. The maximum height is 512 feet above ground level (AGL) or 573 feet above sea level (ASL). This structure will not be lighted, and will not be painted.

This crane will be operating within a 164-foot radius at the following coordinates:

49° 16' 37" N 123° 07' 23" W

This crane is approximately 0.9 nautical miles (NM) south southwest (SSW) of Vancouver/Harbour Public Heliport (CBC7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 59/18

CRANE —TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 628 feet above ground level (AGL) or 895 feet above sea level (ASL). This structure will be lighted, but not painted.

This crane will be operating within a 220-foot radius at the following coordinates:

43° 37' 29" N 79° 28' 45" W

This crane is approximately 4 nautical miles (NM) west (W) of Toronto/Billy Bishop Toronto City Airport (CYTZ). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 58/18

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 410 feet above ground level (AGL) or 751 feet above sea level (ASL). The crane will not be lighted, and will not be painted.

The crane will be operating within a 148-foot radius at the following coordinates:

43° 39' 29" N 79° 23' 53" W

The crane is approximately 0.5 nautical mile (NM) west northwest (WNW) from Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 57/18

MOBILE CRANE CHARLOTTETOWN, PRINCE EDWARD ISLAND

A mobile crane will be operating at Charlottetown Airport, Prince Edward Island. The maximum height is 150 feet above ground level (AGL) or 316 feet above sea level (ASL). The crane will be lighted, but not painted.

The crane will be operating within a 475-foot radius at the following coordinates:

46° 17' 21" N 63° 08' 07" W

The crane is approximately 1,950 feet before Threshold Runway10 and 1,410 feet right of the Centre Line Runway 10 at Charlottetown Airport (CYYG). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 56/18

MULTIPLE CRANES—TORONTO, ONTARIO

Two (2) cranes will be operating in Toronto, Ontario. The maximum height is 471 feet above ground level (AGL) or 748 feet above sea level (ASL). The cranes will be lighted, but not painted.

The cranes will be operating within a 280-foot radius at the following coordinates:

43° 38' 21" N 79° 24' 35" W

The cranes are approximately 0.8 nautical miles (NM) northwest (NW) from Toronto/Billy Bishop Toronto City Water Aerodrome (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 55/18

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 876 feet above ground level (AGL) or 1,186 feet above sea level (ASL). The crane will be lighted and painted.

The crane will be operating within a 150-foot radius at the following coordinates:

43° 39' 18" N 79° 23' 20" W

The crane is approximately 0.1 nautical mile (NM) southwest (SW) from Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 54/18

MULTIPLE CRANES—SURREY, BRITISH COLUMBIA

Multiple cranes will be erected in Surrey, British Columbia. The maximum height is 476 feet above ground level (AGL) or 723 feet above sea level (ASL). The cranes will not be lighted, and will not be painted.

The cranes will be operating within a 430-foot radius at the following coordinates:

49° 10' 52" N 122° 50' 40" W

The cranes are approximately 0.3 nautical miles (NM) north north-west (NNW) from Vancouver/Surrey Memorial Hospital Heliport (CVS3). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

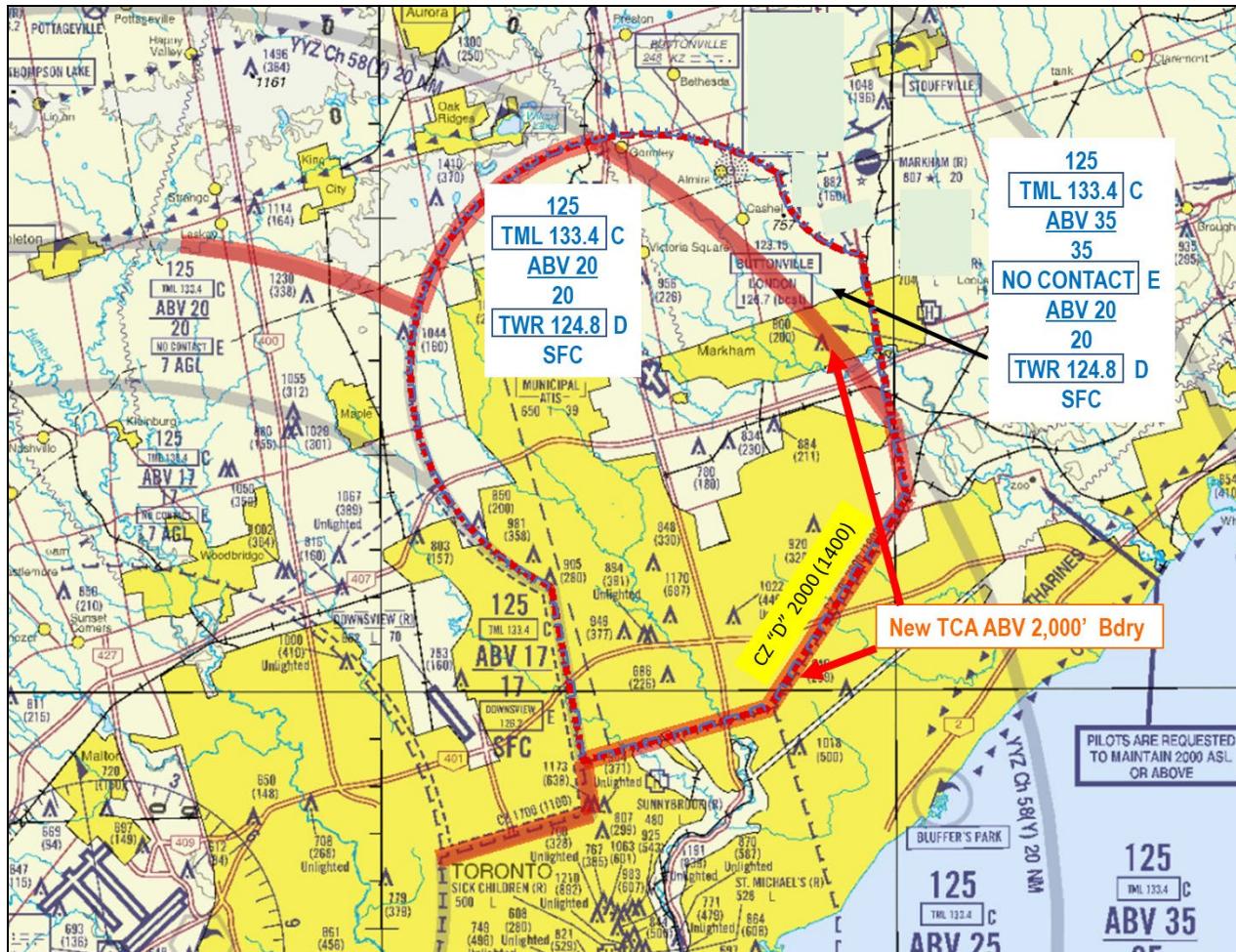
AIP CANADA (ICAO) SUPPLEMENT 50/18

BUTTONVILLE CONTROL ZONE AND TORONTO TERMINAL CONTROL AREA CHANGES TORONTO, ONTARIO

(Replaces AIC 23/18)

To enhance aircraft traffic management at the Toronto Lester B. Pearson International Airport (CYYZ), the ceiling of the Buttonville control zone (CZ) will be lowered to 2,000 feet above sea level (ASL). In addition, the 2,000-foot ASL Toronto terminal control area (TCA) boundary is being expanded to encompass most of the Buttonville CZ (see map sketch below).

This change takes effect 13 September 2018, at 0901Z Coordinated Universal Time (UTC). Refer to this AIP Supplement until the amended Toronto visual flight rules (VFR) terminal area chart (VTA) (AIR 1900) is available in Spring 2019.



For further information, please contact:

NAV CANADA
Customer Service
77 Metcalfe Street
Ottawa, ON K1P 5L6

Tel.: 800-876-4693
Fax: 877-663-6656
E-mail: service@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 49/18

MOBILE CRANE—CONKLIN, ALBERTA

A mobile crane will operate in Conklin, Alberta. The maximum height is 345 feet above ground level (AGL) or 2,253 feet above sea level (ASL). The crane will be lighted, but not painted.

The crane will be operating within a 380-foot radius centered at the following coordinates:

55° 40' 06" N 110° 43' 23" W

This location is approximately 3 nautical miles (NM) north (N) of Christina Lake Aerodrome (CCL3). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 48/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating in Toronto, Ontario. The maximum height is 368 feet above ground level (AGL) or 647 feet above sea level (ASL). The cranes will be lighted, but not painted.

The cranes will be operating within a 240-foot radius centred at the following coordinates:

43° 39' 36" N 079° 21' 29" W

The cranes are approximately 0.9 nautical miles (NM) east (E) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 47/18

QUEBEC REGION FESTIVAL WESTERN DE SAINT-TITE SEPTEMBER 5–18, 2018

This supplement aims to inform the aeronautical community operating in the Mauricie area about the Festival Western de Saint-Tite as well as the operational limitations and restrictions in the vicinity of the Saint-Tite aerodrome (unknown location indicator) and the Lac-à-la-Tortue land and water aerodromes (CSL3 and CSU7). These aerodromes are all shown on the Montréal VFR Navigation Chart (VNC).

To increase the level of safety at this event, and pursuant to section 5.1 of the *Aeronautics Act*, Transport Canada (TC) is creating a restricted area over the town, centered on the stables located east of the town. TC is also designating a mandatory frequency (MF) area centered on the aerodrome located southwest of the town but encompassing all of Saint-Tite.

Restricted area

Section 5.1 of the *Aeronautics Act* states that: “The Minister or any person authorized by the Minister may by notice prohibit or restrict the operation of aircraft on or over any area or within any airspace, either absolutely or subject to any exceptions or conditions that the Minister or person may specify [...].”

Pursuant to section 5.1 of the *Aeronautics Act*, a restricted area is established within a 0.75 NM radius around the stables at the following coordinates: 46°43'47"N 72°33'12"W, from the surface to 1 500 ft ASL (1 066 ft AGL). No aircraft shall be operated within the area described except MEDEVAC flights, police operations and TC aircraft. The restriction shall be in effect from September 5, 2018 through to September 18, 2018. The restricted area is depicted as a red circle on the area chart and on the satellite image hereunder.

MF area

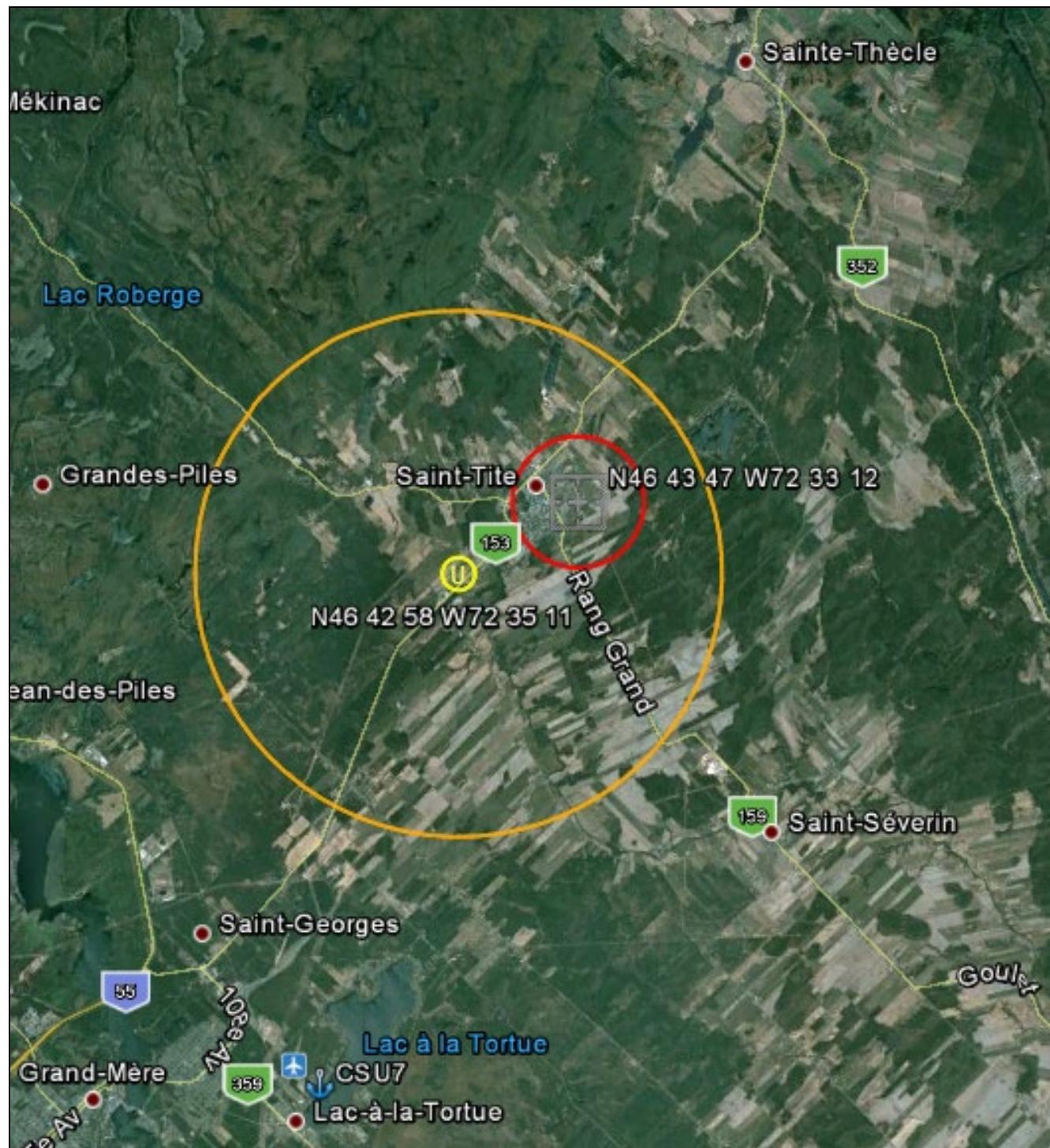
To maximize the safety level, an MF area will be designated by TC. The area (without ground station) consists of a 3 NM radius centered on the Saint-Tite aerodrome (approximate coordinates: 46°42'58"N 72°35'11"W), from the surface to 3 500 ft ASL (3 075 ft AGL). The MF is 122.7 MHz. Pilots must follow the MF reporting procedures set out in *Canadian Aviation Regulations* (CARs) 602.97 to 602.103 as well as the information contained in RAC sections 4.5.4, 4.5.6 and 4.5.7 of the *Transport Canada Aeronautical Information Manual* (TC AIM) which can be downloaded here:

<http://www.tc.gc.ca/eng/civilaviation/publications/tp14371-menu-3092.htm>

The MF area is depicted as an orange circle on the satellite image hereunder.

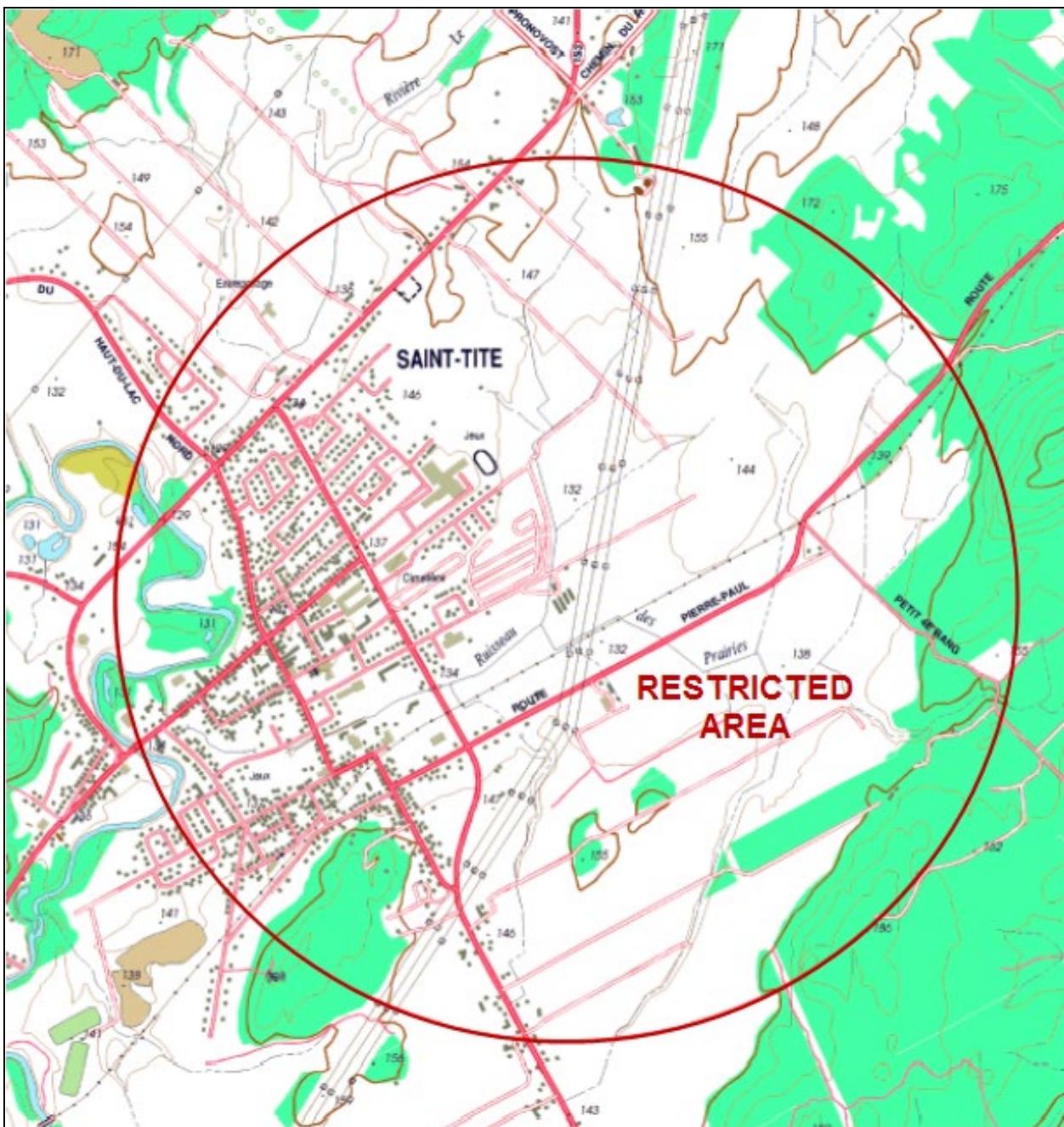
NOTAM

A NOTAM will be issued, under the Montréal FIR – CZUL NOTAM file, indicating the effective times of the restricted area pursuant to section 5.1 of the *Aeronautics Act*. A NOTAM will be issued, under the Lac-à-la-Tortue aerodrome (CSL3) CYQB NOTAM file, indicating the effective times of the MF area and the restricted area pursuant to section 5.1 of the *Aeronautics Act* as well as any last-minute changes.



MF area is depicted in orange (3 NM radius surface [SFC] to 3 500 ft ASL on 122.7 MHz).

Restricted airspace is depicted in rouge (0.75 NM radius SFC to 1 500 ft ASL).



Gino Dufour
Associate Director, Operations
Civil Aviation – NAH
Transport Canada, Quebec Region

AIP CANADA (ICAO) SUPPLEMENT 46/18

NEW VISUAL FLIGHT RULES PROCEDURES FOR ARRIVALS AND DEPARTURES AT THE MONTREAL/ST-HUBERT AIRPORT (CYHU)

The Montreal/St-Hubert airport (CYHU) control zone is now divided into two sectors for arriving and departing visual flight rules (VFR) aircraft.

During Control Tower Hours of Operation

The Montreal/St-Hubert control zone is now divided into two sectors for VFR arrivals with different frequencies.

- All VFR aircraft arriving from Varennes and St-Amable must contact the St-Hubert Tower on frequency 118.4 MHz (VFR arrival (ARR) North).
- All VFR aircraft arriving from Highway 10/Rivière Richelieu and St-Philippe-de-la-Prairie must contact the St-Hubert Tower on frequency 121.3 MHz (VFR ARR South and East).

VFR Arrival and Departure Routes

DEPARTURES

- **Departure (DEP)** all runways, unless otherwise specified by air traffic controller (ATC), at no higher than 1,100 feet above sea level (ASL) until outside the zone.

ARRIVALS

- **ARR** from Highway 10/Rivière Richelieu and St-Philippe-de-la-Prairie, unless otherwise specified by ATC, proceed to Promenades St-Bruno, at no lower than 1,700 feet ASL, to join mid-downwind for Runways 06R or 24L.
- **ARR** from Varennes and St-Amable, unless otherwise specified by ATC, proceed to IREQ, then to Parc Michel-Chartrand, at no lower than 1,700 feet ASL, to join mid-downwind for Runways 06L or 24R.

See the map in Figure 1 for further details.

All VFR aircraft must anticipate arrival and departure instructions from ATC.

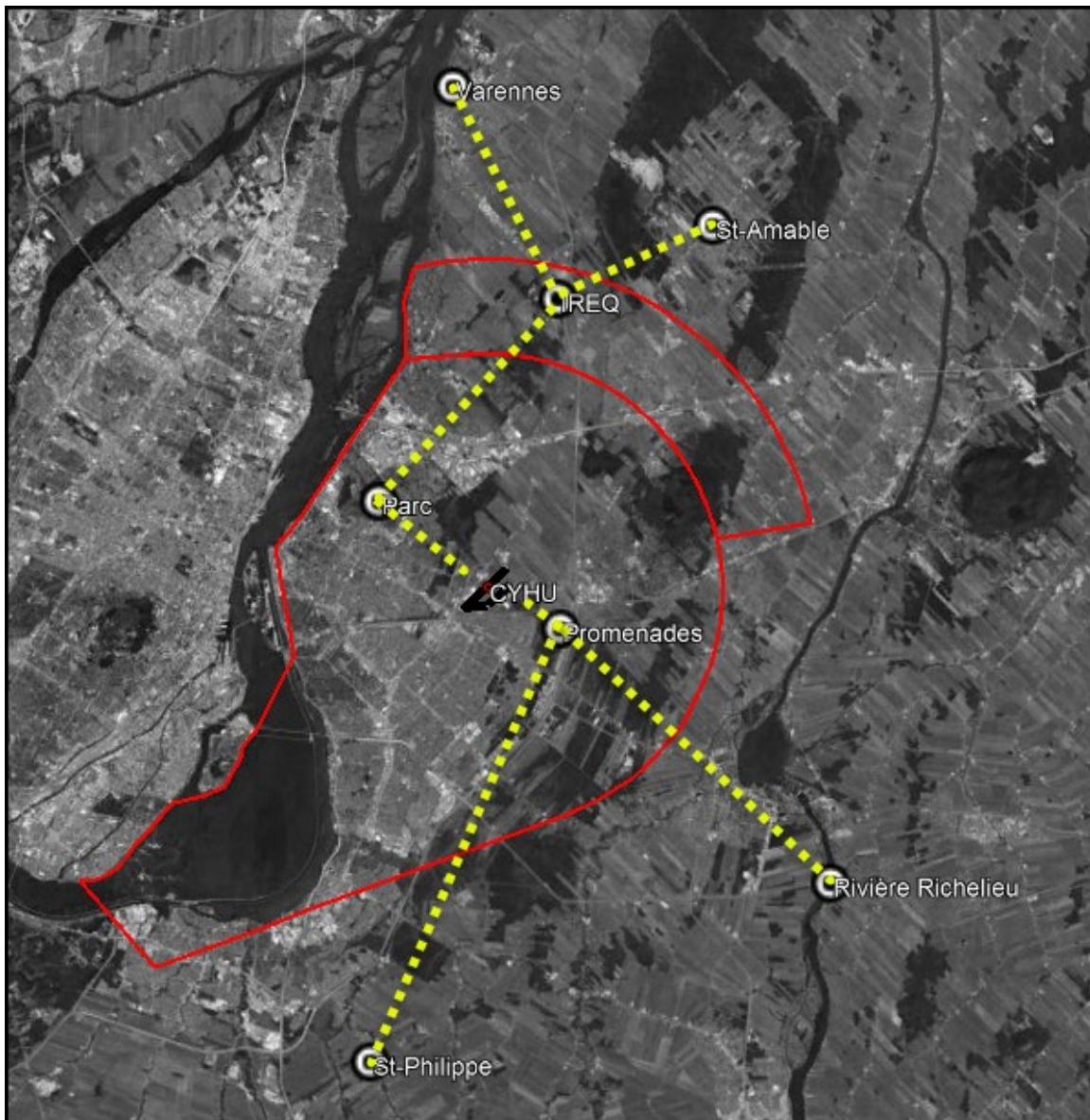


Figure 1: Arrival Routes (NOT SUITABLE FOR NAVIGATION)

James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 45/18

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 478 feet above ground level (AGL) or 1,032 feet above sea level (ASL). The structure will be lighted and painted.

The crane will be operating within a 148-foot radius centred at the following coordinates:

43° 42' 32" N 79° 23' 58" W

The crane is approximately 1.5 nautical miles (NM) west south-west (WSW) of Toronto Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 44/18

REHABILITATION WORK: LAC-ETCHEMIN, QUEBEC (CSC5)

Due to ongoing rehabilitation work in Lac-Etchemin, Quebec (CSC5), the local airport authority has restricted accessibility to Runway 06/24. Runway 06/24 is closed and the signage will remain in place until the end of the work that will take place until 31 August 2019.

For further information, please contact:

Municipality of Lac-Etchemin
208, 2nd Avenue
Lac-Etchemin (Quebec) G0R 1S0
Attention: Eric Guenette, Director
Public Services Urban Planning and Environment

Tel.: 418-625-4521 ext. 233
Fax: 418-625-3175
E-mail: munetchemin.eq@sogetel.net



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 43/18

MULTIPLE CRANES—SASKATOON, SASKATCHEWAN

Multiple cranes will be operating in Saskatoon, Saskatchewan. The maximum height is 244 feet above ground level (AGL) or 1,825 feet above sea level (ASL). The cranes will not be lighted or painted.

The cranes will be operating within a 318-foot radius centred at the following coordinates:

52° 07' 24" N 106° 39' 54" W

The cranes are approximately 1.5 nautical miles (NM) southwest (SW) from the Saskatoon Royal University Hospital Heliport (CRU2). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 42/18

ONTARIO REGION HIGH-ALTITUDE RESEARCH BALLOON FLIGHTS VICTOR M. POWER AIRPORT (CYTS), TIMMINS AUGUST 5 TO 30, 2018

Five (5) high-altitude unoccupied research balloons (call signs NIMBUS 1 to 5) will be launched from Victor M. Power Airport (CYTS) in Timmins, Ontario ($48^{\circ} 34' 14''$ N $81^{\circ} 22' 36''$ W), between August 05 and August 30, 2018.

This balloon campaign is being conducted by the *Centre national d'études spatiales* (CNES) of France and the Canadian Space Agency (CSA), starting August 08, 2018.

The balloons range in volume from $150\ 000\ m^3$ to $400\ 000\ m^3$, and the flight chain varies from 1 200 kg to 2 250 kg. Flights from lift-off to landing by multiple parachutes, after separation, will last up to 13 hours and will reach altitudes of up to 38 km (FL 1250) or 125 000 ft. The balloons are colourless to start and then turn translucent white when inflated. As the payload clears the ground, the top of the balloon will reach 250 m, or over 800 ft above ground level (AGL). The parachutes used for descent are red- and white-striped for visibility.

In addition, six (6) small balloons with a volume of 5 to 9 m^3 , a payload of 2.8 kg, and a flight duration of 4 hours will be launched between August 05 and August 16, 2018.

Flight crews should consult the Toronto and Montreal Flight Information Regions (FIR) and local (CYTS) NOTAMs for details on specific float times and possible restricted airspace.



Robert Sincennes, P.Eng.
Director, Standards
Civil Aviation

AIP CANADA (ICAO) SUPPLEMENT 40/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will operate in Toronto, Ontario. The maximum height is 560 feet above ground level (AGL) or 879 feet above sea level (ASL). The cranes will be lighted and not painted.

The cranes will be operating within a 260-foot radius centered at the following coordinates:

43° 39' 29" N 79° 23' 08" W

This location is approximately 0.1 nautical miles (NM) east northeast (ENE) of Toronto Hospital for sick Children (CNW8) Aerodrome. Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 39/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 181 feet above ground level (AGL) or 795 feet above sea level (ASL). These structures will be lighted not painted.

The cranes will be operating within a 395-foot radius centred at the following coordinates:

43° 44' 01" N 79° 26' 53" W

The cranes are approximately 1,875 feet before threshold runway 33 and 1,525 feet right of extended runway centerline of Toronto/Downsview (CYZD) Aerodrome. Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 34/18

CONSTRUCTION EQUIPMENT—NISKU, ALBERTA

Men and construction equipment will be working in Nisku, Alberta. The maximum height of the equipment is 30 feet above ground level (AGL) or 2,389 feet above sea level (ASL).

Men and equipment will be operating in an area approximately 200 feet to 2,000 feet before threshold runway 20 and 800 feet to 3,600 feet right and left of the runway centerline at Edmonton International Airport (CYEG). Details of any procedure changes implemented due to this construction activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 33/18

MULTIPLE CRANES—MISSISSAUGA, ONTARIO

Multiple cranes will be operating in Mississauga, Ontario. The maximum height is 552 feet above ground level (AGL) or 1,068 feet above sea level (ASL). The cranes will be lighted, but not painted.

The cranes will be operating within a 270-foot radius at the following coordinates:

43° 35' 13" N 079° 38' 46" W

The cranes are approximately 3 nautical miles (NM) east northeast (ENE) of Toronto Mississauga Credit Valley Hospital Heliport (CPK6). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 32/18

TOWER CRANE—TORONTO, ONTARIO

A tower crane is operating in Toronto, Ontario. The maximum height is 522 feet above ground level (AGL) or 1,080 feet above sea level (ASL). The structure is lighted, but not painted.

The crane will be operating within a 160-foot radius at the following coordinates:

43° 46' 46" N 79° 17' 00" W

The crane is approximately 5 nautical miles (NM) east northeast (ENE) of Toronto Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 31/18

CRANE—MAIDSTONE, SASKATCHEWAN

A crane will be erected near Maidstone, Saskatchewan. The maximum height is 280 feet above ground level (AGL) or 2,223 feet above sea level (ASL). The structure will be lighted, but not painted.

The crane will be operating within a 200-foot radius at the following coordinates:

53° 04' 55" N 109° 18' 04" W

The crane is approximately 1.4 nautical miles (NM) east southeast (ESE) of Maidstone Airport (CJH3). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 30/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 769 feet above ground level (AGL) or 1,049 feet above sea level (ASL). These structures will be lighted, but not painted.

The cranes will be operating within a 247-foot radius at the following coordinates:

43° 38' 35" N 79° 23' 41" W

The cranes are approximately 0.6 nautical miles (NM) north (N) of Toronto/Billy Bishop Toronto City Water Aerodrome (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 28/18

CRANE—CALGARY, ALBERTA

A mobile crane will be erected in Calgary, Alberta. The maximum height is 100 feet above ground level (AGL) or 3,653 feet above sea level (ASL). The crane will be lighted, and not painted.

The crane will be operating within a 470-foot radius at the following coordinates:

51° 08' 02" N 114° 02' 03" W

The crane is approximately 1,005 feet before the threshold of runway 11 and 2,550 feet left of the extended runway centreline of Calgary International Airport (CYYC). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



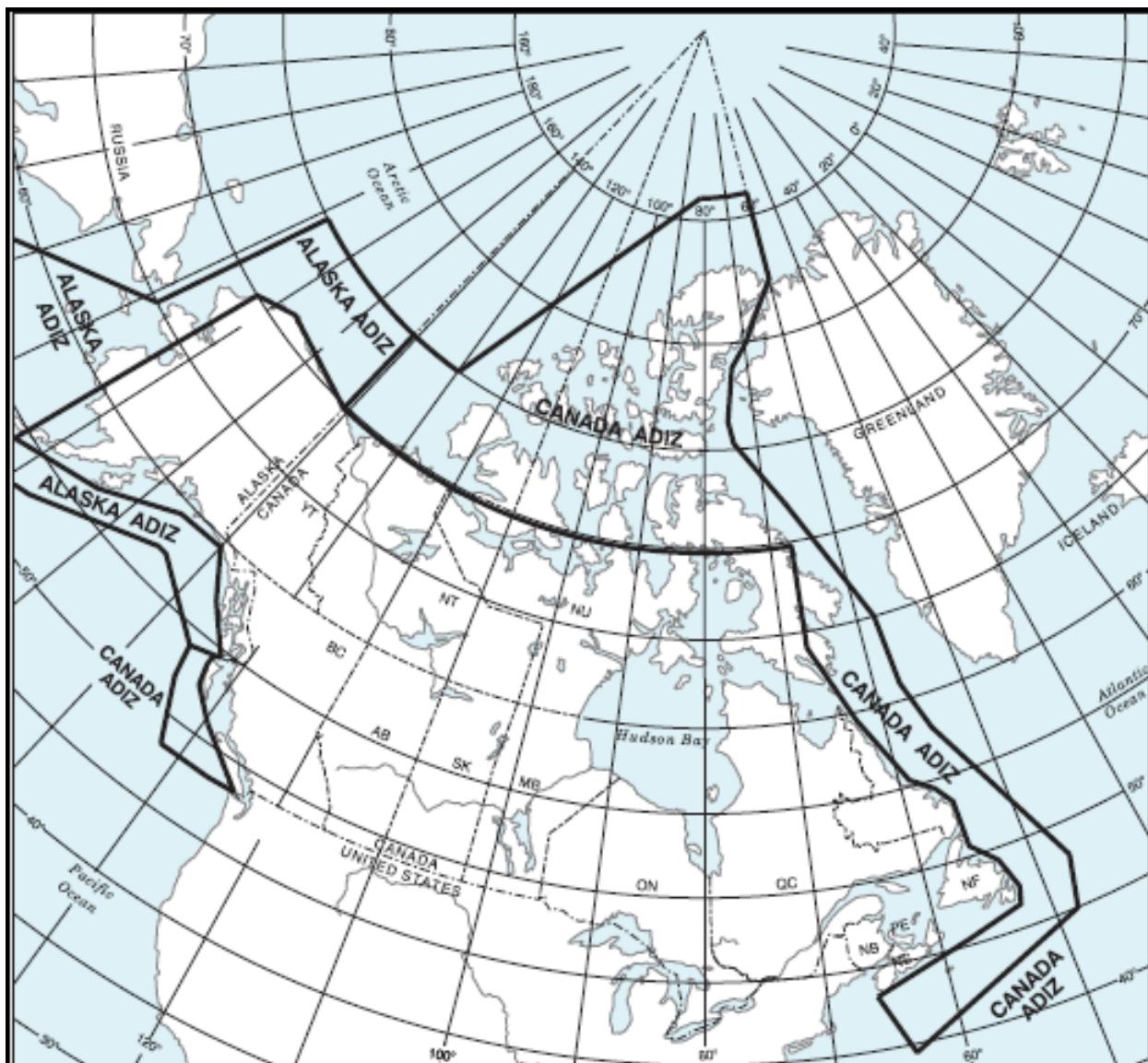
James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 26/18

ADJUSTMENT TO THE CANADA AIR DEFENCE IDENTIFICATION ZONE

(Replaces AIC 2/18)

The Department of National Defence (DND) is adjusting the boundary of the Canada Air Defence Identification Zone (ADIZ). The Canada ADIZ will be expanded to include most of the Arctic Archipelago. For the east and west coasts, the inner boundary will be moved offshore. Refer to the *Designated Airspace Handbook* (DAH) for the new ADIZ geographical coordinates. The following map depicts the revised boundary.



NOT FOR NAVIGATION

Air Defence Identification Zone—North and East

The airspace within the area bounded by a line beginning at:

72° 00' 00.00" N	066° 40' 00.00" W	to
75° 00' 00.00" N	073° 16' 18.00" W	to
76° 41' 24.00" N	075° 00' 00.00" W	to
77° 30' 00.00" N	074° 46' 00.00" W	to
78° 25' 00.00" N	073° 46' 00.00" W	to
78° 48' 30.00" N	073° 00' 00.00" W	to
79° 39' 00.00" N	069° 20' 00.00" W	to
80° 00' 00.00" N	069° 00' 00.00" W	to
80° 25' 00.00" N	068° 20' 00.00" W	to
80° 45' 00.00" N	067° 07' 00.00" W	to
80° 49' 12.00" N	066° 29' 00.00" W	to
80° 49' 48.00" N	066° 26' 18.00" W	to
80° 50' 30.00" N	066° 16' 00.00" W	to
81° 18' 12.00" N	064° 11' 00.00" W	to
81° 52' 00.00" N	062° 10' 00.00" W	to
82° 13' 00.00" N	060° 00' 00.00" W	to
86° 00' 00.00" N	060° 00' 00.00" W	thence westerly along latitude 86° 00' 00.00" N to
86° 00' 00.00" N	080° 00' 00.00" W	to
75° 00' 00.00" N	130° 00' 00.00" W	thence westerly along latitude 75° 00' 00.00" N to
75° 00' 00.00" N	141° 00' 00.00" W	to
69° 50' 00.00" N	141° 00' 00.00" W	thence easterly along latitude 69° 50' 00.00" N to
69° 50' 00.00" N	066° 48' 21.00" W	to
64° 00' 00.00" N	067° 00' 00.00" W	to
59° 34' 00.00" N	063° 23' 00.00" W	to
55° 45' 00.00" N	059° 41' 00.00" W	to
54° 37' 00.00" N	056° 44' 00.00" W	to
53° 31' 00.00" N	055° 22' 00.00" W	to
50° 40' 00.00" N	055° 22' 00.00" W	to
49° 20' 00.00" N	053° 07' 00.00" W	to
47° 40' 00.00" N	052° 23' 00.00" W	to
46° 30' 00.00" N	052° 53' 00.00" W	to
46° 00' 00.00" N	058° 00' 00.00" W	to
43° 15' 00.00" N	065° 55' 00.00" W	to
39° 30' 00.00" N	063° 45' 00.00" W	to
45° 00' 00.00" N	048° 00' 00.00" W	to

48° 00' 00.00" N	047° 00' 00.00" W	to
58° 00' 00.00" N	055° 00' 00.00" W	to
61° 00' 00.00" N	057° 00' 00.00" W	to
65° 00' 00.00" N	057° 45' 00.00" W	to
72° 00' 00.00" N	066° 40' 00.00" W	point of beginning

Air Defence Identification Zone—West

The airspace within the area bounded by a line beginning at:

54° 35' 00.00" N	133° 00' 00.00" W	to
54° 00' 00.00" N	136° 00' 00.00" W	to
52° 00' 00.00" N	135° 00' 00.00" W	to
48° 20' 00.00" N	132° 00' 00.00" W	thence easterly along latitude 48° 20' 00.00" N to
48° 20' 00.00" N	128° 00' 00.00" W	to
48° 30' 00.00" N	125° 00' 00.00" W	to
51° 00' 00.00" N	129° 45' 00.00" W	to
52° 42' 00.00" N	132° 30' 00.00" W	to
53° 49' 00.00" N	133° 00' 00.00" W	to
54° 35' 00.00" N	133° 00' 00.00" W	point of beginning

This change takes effect 24 May 2018 at 09:01 Coordinated Universal Time (UTC). Refer to this AIP Supplement until all the affected visual flight rules (VFR) navigation charts (VNCs) have been amended, which is currently planned to occur by 2022.

For further information please contact:

NAV CANADA
Customer Service
77 Metcalfe Street
Ottawa, ON K1P 5L6

Tel.: 800-876-4693
Fax: 877-663-6656
E-mail: service@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 25/18

MULTIPLE CRANES—TORONTO, ONTARIO

Two cranes will be erected in Toronto, Ontario. The maximum height is 287 feet above ground level (AGL) or 579 feet above sea level (ASL). The structures will be lighted and not painted.

The cranes will be located within 245 feet from the following coordinates:

43° 39' 17" N 79° 22' 31" W

The cranes are approximately 0.1 nautical miles (NM) east (E) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 24/18

BLASTING ZONE—BLOODVEIN, MANITOBA

(Replaces AIP Supplement 37/12)

Sporadic quarry operations, including blasting, will occur at various locations and times in the Bloodvein, Manitoba region until 2022. The blasting height is 985 feet above ground level (AGL), or 1,985 feet above sea level (ASL).

Blasting activities will be within 2 blasting areas bounded by:

Area 1 from:	52° 19' 03.94" N	096° 54' 33.51" W	to
	52° 10' 32.08" N	095° 16' 32.49" W	to
	51° 07' 32.19" N	096° 10' 37.85" W	to point of origin.

Area 2 from:	53° 54' 28.62" N	94° 58' 14.30" W	to
	53° 54' 34.42" N	94° 56' 35.88" W	to
	53° 46' 28.61" N	94° 52' 28.90" W	to
	53° 46' 18.79" N	94° 54' 04.67" W	to point of origin.

The north end of Area 1 is located approximately 5 nautical miles (NM) east southeast (ESE) from Berens River Airport (CYBV), while the south end is located approximately 20 NM west northwest (WNW) from Bissett Waterdrome (CJY6).

The south end of Area 2 is located approximately 4 NM south southwest (SSW) from St. Theresa Point Airport (CYST). Details of any procedure changes implemented because of this blasting activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 23/18

FREQUENCY CHANGE TROIS-RIVIÈRES, QUEBEC (CYRQ)

Due to safety concerns caused by heavy congestion on mandatory frequency (MF), where the pilots' ability to broadcast crucial information in a timely manner can be reduced, Trois-Rivières, Quebec (QC) Airport Authority have initiated a change to the frequency.

Thus, as of 19 July 2018, the universal communications (UNICOM) and aircraft radio control of aerodrome lighting (ARCAL) frequency will be 122.35 MHz.

For further information, please contact:

Trois-Rivières Airport Authority
3500, rue de l'Aéroport
Trois-Rivières, QC G9A 5E1

Tel.: 819 377-4382
Toll free: 1-877-374-4061
E-mail: cyrq@aeroporttrois-rivieres.qc.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 21/18

MOBILE CRANE—CALGARY, ALBERTA

A mobile crane will operate in Calgary, Alberta. The maximum height is 200 feet above ground level (AGL) or 3,774 feet above sea level (ASL). The structure will be lighted and not painted.

The crane will be operating within a 300-foot radius centered at the following coordinates:

51° 09' 33" N 113° 59' 52" W

The crane is approximately 3,900 feet before runway threshold 17L and 1,738 feet right of the extended runway centre line of Calgary International Airport (CYYC). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 20/18

CRANE—TORONTO, ONTARIO

A crane will be operating in Toronto, Ontario. The maximum height is 480 feet above ground level (AGL) or 1,017 feet above sea level (ASL). The crane will be lighted and not painted.

The cranes will be operating within a 131-foot radius centred at the following coordinates:

43° 42' 42" N 79° 23' 55" W

The crane is approximately 1.4 nautical miles (NM) west southwest (WSW) from Sunnybrook Medical Centre Heliport (CNY8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 18/18

PAVEMENT REHABILITATION WORK BAIE COMEAU AIRPORT (CYBC) SUMMER 2018

Pavement rehabilitation work will be performed along the entire length and width of the Runway, on Taxiway Delta, and on the Apron at the Baie-Comeau Airport (CYBC), requiring changes to the use of movement areas.

21 May 2018 to 20 June 2018 – Runway rehabilitation work (right/south side)

- Non-instrument Runway AGN IIIA (see note): 1,828 metres x 23 metres (6,000 feet x 75 feet) along half the width (left/north side);

Note:

- Landing reference speed (Vref) under 122 knots;
- Wing span under 24 metres;
- Outer main gear span under 6 metres.

* A prior permission required (PPR) is necessary for all aircraft that do not comply with these criteria.

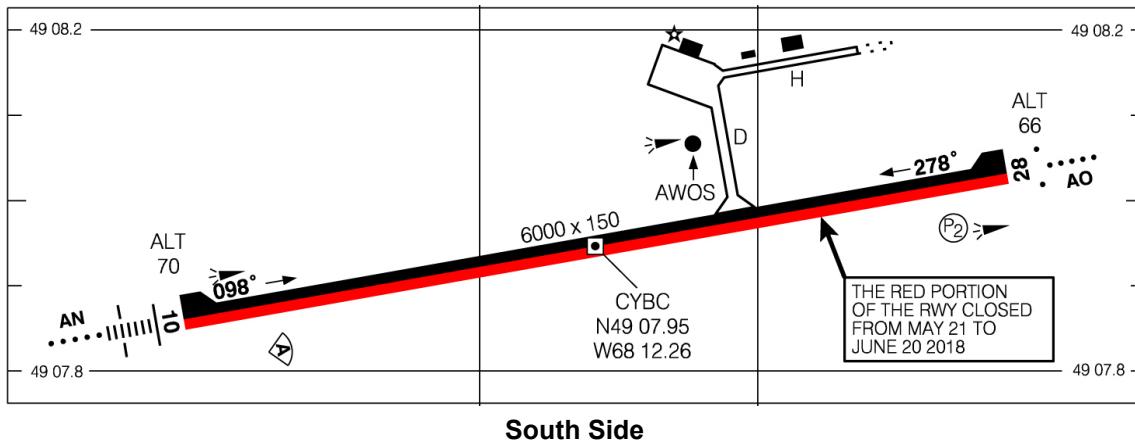
- Temporary threshold coordinates and elevation:

Runway 10:	49° 7' 52.12" N	68° 12' 59.67" W
Lat/long:	49° 7.869' N	68° 12.994' W
Elevation:	21.56 metres	

Runway 28:	49° 8' 2.53" N	68° 11' 30.91" W
Lat/long:	49° 8.042' N	68° 11.515' W
Elevation:	20.21 metres	

- Very high frequency omnidirectional range (VOR)/distance measuring equipment (DME) will be unavailable;
- Instrument landing system (ILS) will be unavailable;
- Simplified short approach lighting system with runway alignment indicator lights (SSALR) and omnidirectional approach lighting system (ODALS) will be unavailable;
- Temporary runway edge lighting will be installed along the runway centre line;

- Precision approach path indicator (PAPI) 28 will be in service; and
- No touch-and-gos will be cleared on Runway 10-28 during construction.



21 June 2018 to 31 July 2018 – Runway rehabilitation work (left/north side)

- Non-instrument Runway AGN IIIA (see note): 1,828 metres x 23 metres (6,000 feet x 75 feet) along half the width (right/south side);

Note:

- Landing reference speed (Vref) under 122 knots;
- Wing span under 24 metres;
- Outer main gear span under 6 metres.

* A prior permission required (PPR) is necessary for all aircraft that do not comply with these criteria.

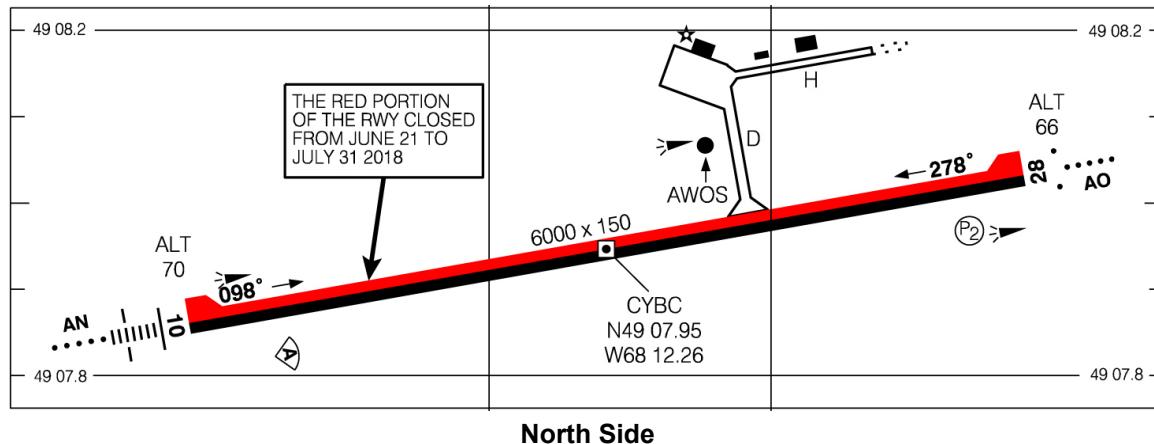
- Temporary threshold coordinates and elevation:

Runway 10:	49° 7' 51.39" N	68° 12' 59.47" W
Lat/long:	49° 7.857' N	68° 12.991' W
Elevation:	21.515 metres	

Runway 28:	49° 8' 1.8" N	68° 11' 30.71" W
Lat/long:	49° 8.03' N	68° 11.512' W
Elevation:	20.17 metres	

- VOR/DME will be unavailable;
- ILS will be unavailable;
- SSALR and ODALS will be unavailable;
- Temporary runway edge lighting will be installed along the runway centre line;

- PAPI 28 will be in service; and
- No touch-and-gos will be cleared on Runway 10-28 during construction.



4 August 2018 to 5 August 2018 – Runway central joint construction, temporary markings removal and final markings work

- Runway 10-28 will be closed.

6 August 2018 to 10 August 2018 – Taxiway Delta rehabilitation work

- Runway 10-28: 4D Precision (4th edition); and
- Taxiway Delta will be closed from 2300Z to 1000Z; only the Service aérien gouvernemental will be cleared for medical evacuations: parking will be on the runway while waiting for the ambulance.

Please consult current NOTAMs before proceeding to this airport.

For further information, please contact:

Baie-Comeau Airport
Baie-Comeau, QC G5C 2S6
Attention: Nadia Potvin, Director, Airport Services

Tel.: 418-589-8285
E-mail: aeroport.dir@mrcmanicouagan.qc.ca

James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 17/18

MOBILE CRANES—GRANDE PRAIRIE, ALBERTA

Mobile cranes will operate in Grande Prairie, Alberta. The maximum height is 170 feet above ground level (AGL) or 2,349 feet above sea level (ASL). The cranes will be lighted and painted.

The cranes will operate within a 280-foot radius centered at the following coordinates:

55° 10' 53" N 118° 49' 39" W

This location is approximately 2 nautical miles (NM) east north east (ENE) of Grande Prairie (CYQU). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



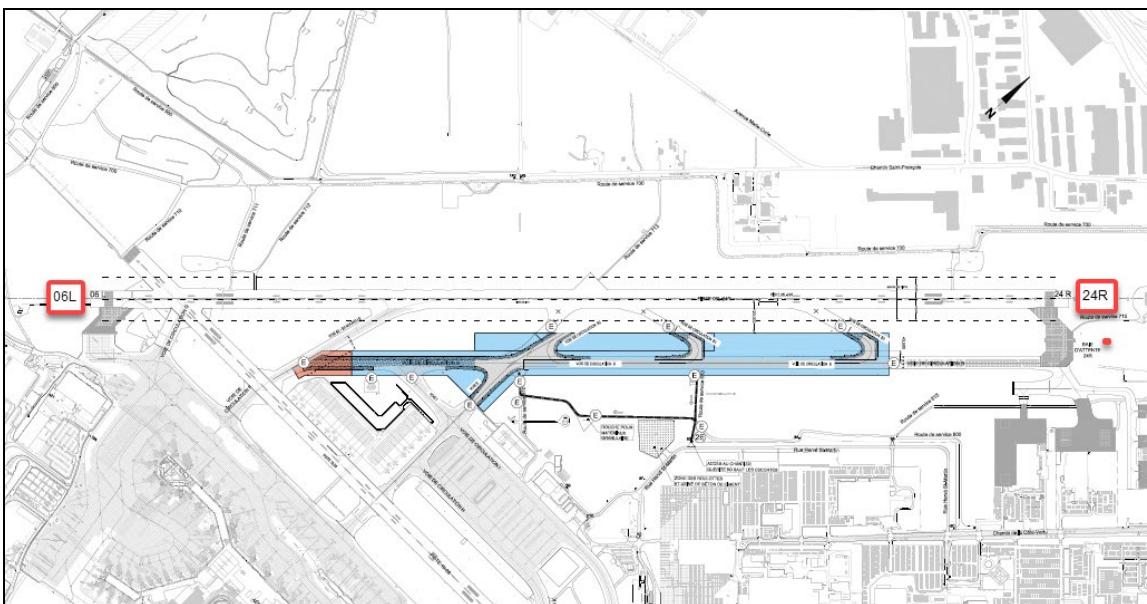
James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 16/18

CONSTRUCTION AT MONTRÉAL/PIERRE-ELLIOTT-TRUDEAU INTERNATIONAL AIRPORT (CYUL)

Ground Surface Repairs on B taxiway between B2 and B3 and Geometry Modifications to Taxiways E, B1, and B3

Project will be realized on a three-year plan during 2018, 2019, and 2020. The first phase will start 15 March 2018 and will run until the end of June 2018.



Construction Impact

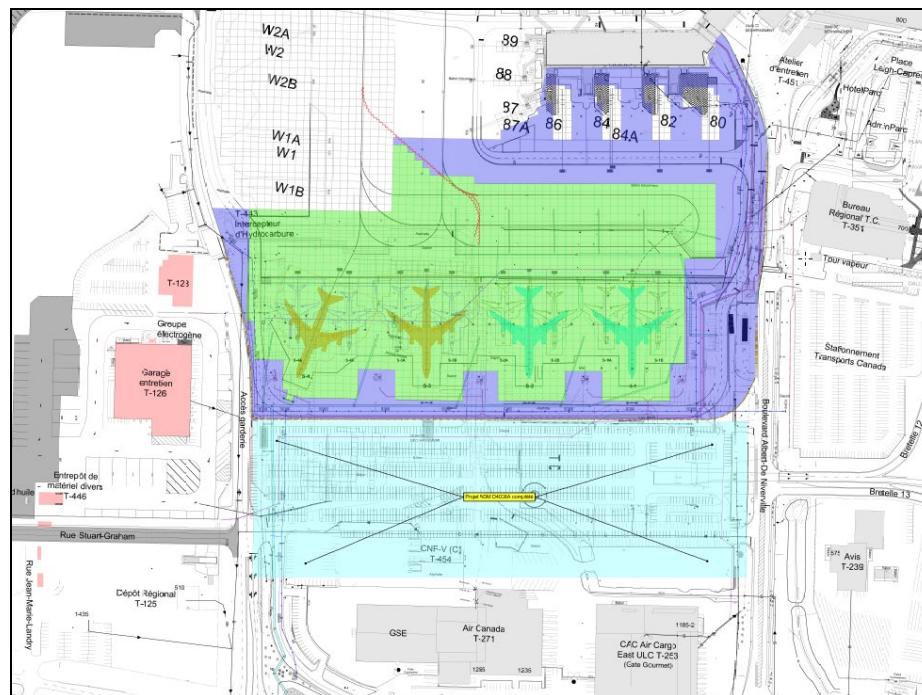
- Runway 06L-24R categorized as non-instrument so that the lowest minima will be 500 feet over TDZE or threshold elevation (as applicable).
- Taxiway Bravo closed North of Bravo 2 to North of Bravo 3 from 15 March 2018 until 30 June 2018.
- Taxiway Echo between India and Bravo closed from 15 March 2018 until 30 June 2018.
- Taxiway Bravo 1 closed from 15 March 2018 until 30 June 2018.
- Taxiways Echo North of Bravo and Bravo 3 closed from March 2018 until September 2019.
- Reopening of Runway 10-28 between 15 March 2018 and 30 June 2018.
- Partial closure of North parking N1 to N5 from 1 March 2018 until 30 June 2018.
- Access to installations Tango, Québec, and Papa taxiways area will be via Runway 06L-24R.
- Aircraft code F, with wingspans 213 feet (65 metres) and more, will not be authorized during the construction period.
- If required, Aéroports de Montréal will manage a daily general aviation contingency plan for arrivals between 3:00 p.m. and 9:00 p.m. local time.
- CAT II and low and reduced visibility operation not available.

Extension of the South West Apron

- Construction to be continued until October 2019.
- Additional capacity for 4 type E Aircraft Stands, 8 type C Aircraft Stands, or both.
- Stands will be available for passenger embarking and disembarking operations.
- Stands identification West to East as follows: S1, S1A, S1B, S2, S2A, S2B, S3, S3A, S3B, S4, S4A, and S4B.

Construction Impact

- Autumn 2018, Gate 80 temporary closure.



Ground Surface Repairs

Punctual night work, ground surface repairs are planned between April 2018 and November 2018.

- Runway 06R-24L, Runway 10-28, and Runway 06L-24R.
- Taxiway Roméo and Taxiway Lima.
- Main Apron.

Further Information

For further information, please contact:

YUL Airside Operations Planning and Coordination
975 Roméo Vachon North, Suite 317
Dorval, QC H4Y 1H1

Tel.: 514-633-3174
E-mail: Christine.meloche@admtl.com



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 11/18

METEOROLOGICAL TOWER—ARVIAT, NUNAVUT

A meteorological tower will be erected in Arviat, Nunavut. The maximum height is 196 feet above ground level (AGL) or 268 feet above sea level (ASL). The structure will be lighted and painted.

The meteorological tower is located at the following coordinates:

61° 07' 34.50" N 94° 10' 33.60" W

This meteorological tower is approximately 2 nautical miles (NM) southwest (SW) of Arviat Water Aerodrome (CRV8). Details of any procedure changes implemented due to this tower activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 10/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be erected in Toronto, Ontario. The maximum height is 981 feet above ground level (AGL) or 1,235 feet above sea level (ASL). The structure(s) will be lighted and painted.

The cranes will be located within a 370-foot radius at the following coordinates:

43° 38' 38" N 79° 22' 39" W

Multiple cranes are approximately 0.6 nautical miles (NM) south (S) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 9/18

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 692 feet above ground level (AGL) or 1,019 feet above sea level (ASL). The structure will be lighted and not painted.

The crane swing radius will be 181-feet at the following coordinates:

43° 39' 44" N 79° 22' 45" W

The crane is approximately 0.5 nautical miles (NM) north (N) of Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 6/18

MULTIPLE CRANES—TORONTO, ONTARIO

Three cranes will be operating in Toronto, Ontario. The maximum height is 246 feet above ground level (AGL) or 857 feet above sea level (ASL). The cranes will be lighted and not painted.

The cranes will be operating within a 260-foot radius at the following coordinates:

43° 44' 00" N 79° 26' 45" W

The cranes are approximately 1 nautical mile (NM) south east (SE) from Toronto/Downsview Aerodrome (CYZD). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 5/18

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating in Toronto, Ontario. The maximum height is 404 feet above ground level (AGL) or 775 feet above sea level (ASL). The structures will not be lighted and not painted.

The cranes will be located within a 400-foot radius at the following coordinates:

43° 39' 18.7" N 79° 28' 00.65" W

Multiple cranes are approximately 3.4 nautical miles (NM) west northwest (WNW) of Toronto/Billy Bishop Toronto City Airport (Water) (CPZ9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP-Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 2/18

CRANE—EDMONTON, ALBERTA

A crane will be erected in Edmonton, Alberta. The maximum height is 525 feet above ground level (AGL) or 2,717 feet above sea level (ASL). The structure will be lighted and not painted.

The crane swing radius will be 135 feet at the following coordinates:

53° 32' 34" N 113° 29' 52" W

The crane is approximately 0.9 nautical miles (NM) south southeast (SSE) of Edmonton Royal Alexandra Hospital Heliport (CFH7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 1/18

FIVE BLASTING AREAS WIVENHOE, MANITOBA

(Replaces AIP Supplement 04/16)

Five blasting areas will be in use near Wivenhoe, Manitoba. The maximum height is 4,921 feet above ground level (AGL) or 5,413 feet above sea level (ASL), including the shock wave.

The five blasting areas will be located at the following coordinates:

Coordinates	Blast Radius
56° 21' 26.60" N 95° 12' 49.01" W	3,281 feet
56° 21' 03.81" N 95° 13' 11.08" W	3,281 feet
56° 20' 56.49" N 95° 12' 03.00" W	3,281 feet
56° 20' 06.60" N 95° 12' 47.10" W	3,281 feet
56° 19' 56.91" N 95° 11' 19.98" W	3,281 feet

The five blasting areas are approximately 17 nautical miles (NM) west (W) of Gillam, Manitoba Aerodrome (CYGX). Details of any procedure changes implemented due to this blasting activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 49/17

MULTIPLE CRANES—TORONTO, ONTARIO

Two cranes will be operating in Toronto, Ontario. The maximum height is 580 feet above ground level (AGL) or 834 feet above sea level (ASL). The cranes will be lighted but not painted.

The cranes will be operating within a 205-foot radius at the following coordinates:

43° 38' 33" N 79° 22' 55" W

The cranes are approximately 0.7 nautical miles (NM) south southwest (SSW) of St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information please contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

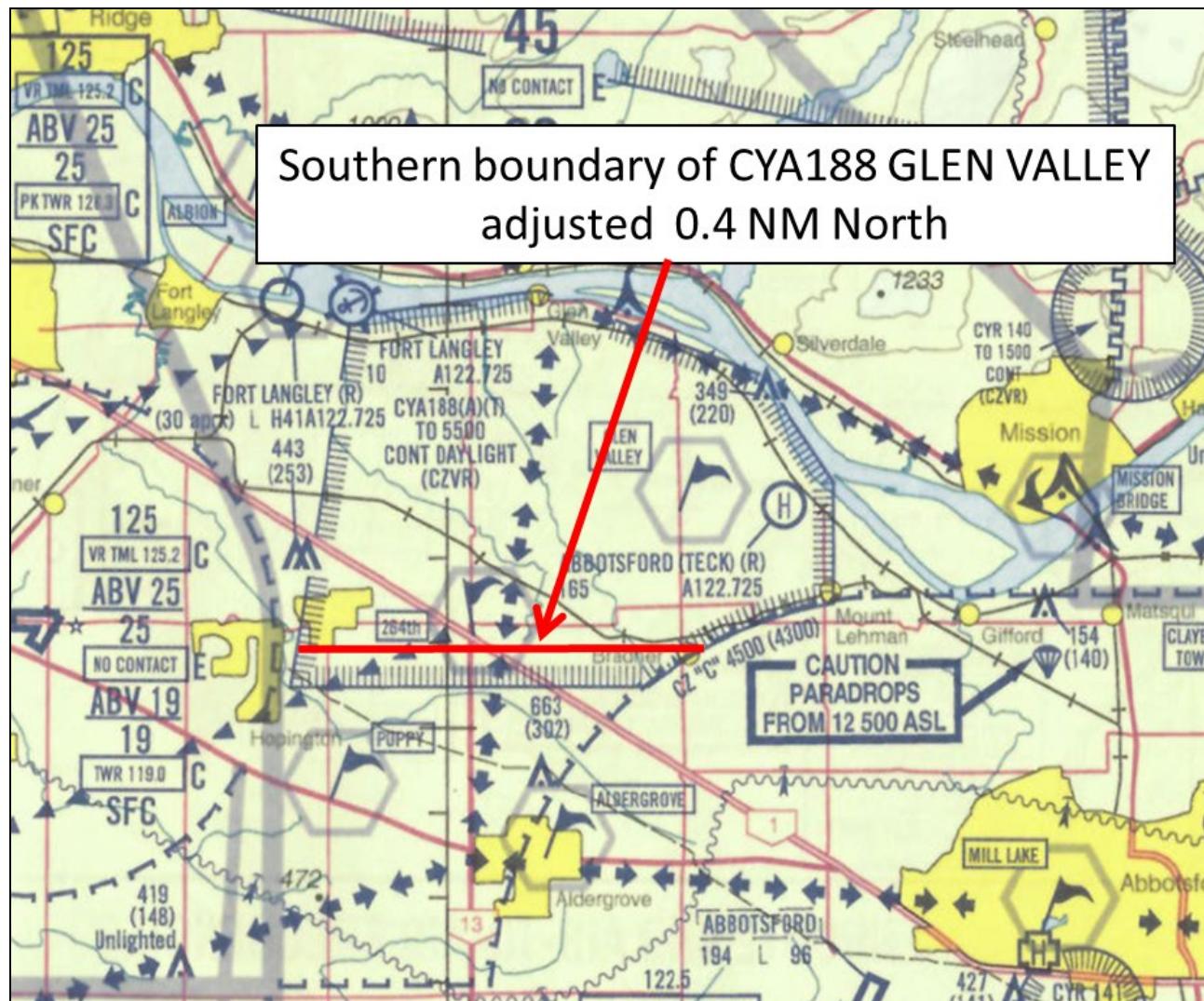
AIP CANADA (ICAO) SUPPLEMENT 43/17

ADJUSTMENTS TO SOUTHERN BOUNDARY OF CYA188 (A)(T) GLEN VALLEY, BRITISH COLUMBIA

NAV CANADA, the country's provider of civil air navigation services, has completed a cyclical review of the instrument procedures (IPs) for Abbotsford, British Columbia (BC) aerodrome CYXX.

As a result of this review and the application of new IP design criteria, the southern boundary of CYA188(A)(T) Glen Valley, BC must be adjusted 0.4 nautical miles (NM) north (see map sketch below). This adjustment is required so that the Abbotsford airport runway 07 instrument landing system (ILS) and non-directional beacon (NDB) instrument approach procedures will be compliant with the new criteria.

This change takes effect 12 October 2017 at 0901 Coordinated Universal Time (UTC). Refer to this AIP Supplement until the amended Vancouver visual flight rules (VFR) terminal area chart (VTA) (AIR 1901) is available in July 2018.



For further information please contact:

NAV CANADA
Customer Service Centre
77 Metcalfe Street
Ottawa, ON K1P 5L6

Tel.: 800-876-4693
Fax: 877-663-6656
E-mail: service@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 40/17

TOWER CRANE—EDMONTON, ALBERTA

(Replaces AIP Supplement 36/16)

A tower crane will be operating in Edmonton, Alberta. The maximum height is 976 feet above ground level (AGL) or 3,105 feet above sea level (ASL). The crane will be lighted and painted.

The crane will be operating within a 213-foot radius at the following coordinates:

53° 32' 43" N 113° 29' 45" W

The crane is approximately 0.8 nautical miles (NM) south southeast (SSE) of Edmonton Royal Alexandra Hospital Heliport (CFH7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP – Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Director, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 37/17

MULTIPLE CRANES—FORT SASKATCHEWAN, ALBERTA

Multiple cranes will be operating in Fort Saskatchewan, Alberta. The maximum height is 400 feet above ground level (AGL) or 2,470 feet above sea level (ASL). The cranes will be lighted and not painted.

The cranes will be operating within a 0.92 nautical mile (NM) radius at the following coordinates:

53° 47' 59" N 113° 05' 36" W

The cranes are approximately 4 nautical miles (NM) north northwest (NNW) from Edmonton/Josephburg Aerodrome (CFB6). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP-Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 35/17

TOWER CRANE—WATERLOO, ONTARIO

A tower crane will be erected in Waterloo, Ontario. The maximum height is 310 feet above ground level (AGL) or 1,358 feet above sea level (ASL). The structure will be lighted, but not painted.

The crane will be located within a 148-foot radius at the following coordinates:

43° 27' 01" N 80° 30' 03" W

The crane is approximately 1,172 feet south southeast (SSE) of Kitchener-Waterloo Grand River Hospital Heliport (CNK9). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1V 1E5
Attention: Gheorghe Adamache, Manager
AIM IFP-Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 34/17

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating near Toronto, Ontario. The maximum height is 688 feet above ground level (AGL) or 1,034 feet above sea level (ASL). The cranes are not lighted and not painted.

The cranes will be operating within a 230-foot radius at the following coordinates:

43° 39' 48" N 79° 23' 01" W

This location is approximately 0.4 nautical miles (NM) north northeast (NNE) of the Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM IFP-Service Delivery Operations

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 32/17

AMENDMENTS TO: CANADA FLIGHT SUPPLEMENT (CFS) AND CANADA WATER AERODROME SUPPLEMENT (CWAS)

This supplement concerns amendments to information for Vancouver Harbour Water Aerodrome (CYHC) in the *Canada Water Aerodrome Supplement* (CWAS) and Vancouver/Harbour Public Heliport (CBC7), Vancouver Children's Hospital Heliport (CAK7), and Vancouver General Hospital Heliport (CBK4) in the *Canada Flight Supplement* (CFS).

Effective 14 September 2017, Vancouver Harbour Clearance Delivery ("Harbour Clearance") will be open only when required by traffic demand. If Clearance Delivery is open, this will be indicated on the automatic terminal information service (ATIS) message. If ATIS does not indicate that Clearance Delivery is open, departures must contact Vancouver Harbour Tower ("Harbour Tower") on 118.40 MHz on initial contact.

COMM Section will read:

CLNC DEL Vancouver Harbour 125.35 all dep acft ctc clnc del only if instructed to do so on ATIS.



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 28/17

CRANE—EDMONTON, ALBERTA

(Replaces AIP Supplement 21/17)

A crane will be operating in Edmonton, Alberta. The maximum height is 493 feet above ground level (AGL) or 2,684 feet above sea level (ASL). The crane will be lighted and not painted.

The crane swing will be within a 165-foot radius at the following coordinates:

53° 32' 35" N 113° 29' 31" W

The crane is approximately 0.9 nautical miles (NM) south southeast (SSE) from Edmonton Royal Alexandra Hospital (Heli) (CFH7). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM Service Delivery and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 25/17

CRANE—TORONTO, ONTARIO

A crane will be operating in Toronto, Ontario. The maximum height is 502 feet above ground level (AGL) or 884 feet above sea level (ASL). The crane will not be lighted and not painted.

The crane swing radius will be within a 197 feet from the following coordinates:

43° 40' 14" N 079° 23' 26" W

The crane is approximately 0.8 nautical miles (NM) North (N) from Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM Service Delivery and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 23/17

CONSTRUCTION WORK AT MONTRÉAL—PIERRE ELLIOTT TRUDEAU INTERNATIONAL AIRPORT (YUL)—SUMMER 2017

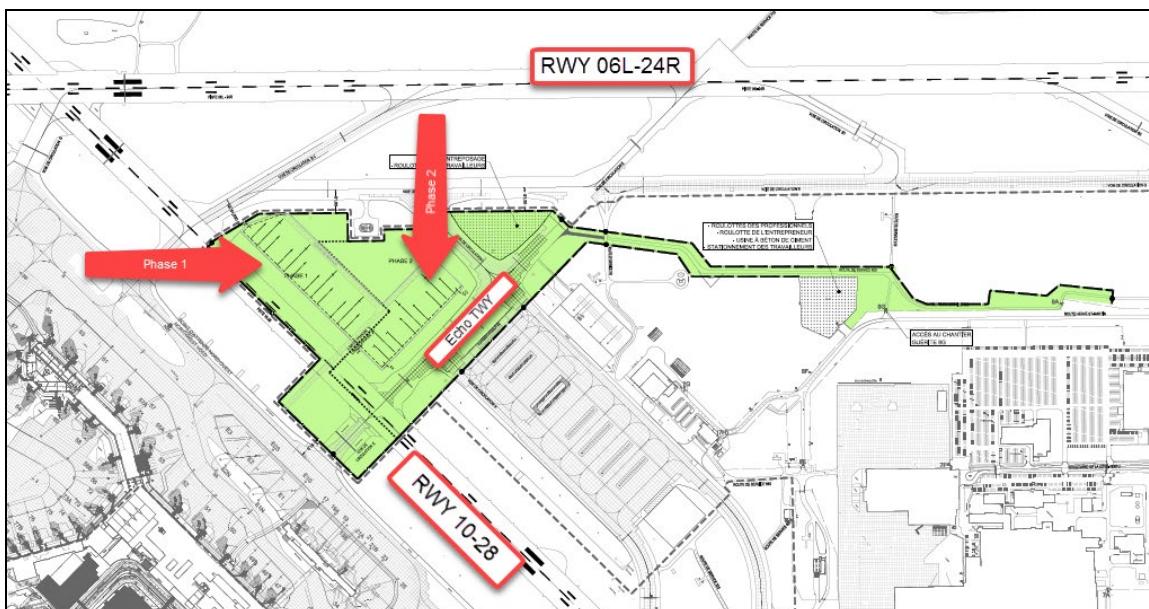
Parking Area and Taxiway Construction

A new aircraft parking area will be constructed North of Runway 10-28 (North Parking) and the Taxiway Echo between Taxiway Bravo and Runway 10-28 will be rebuilt:

- From 1 May 2017 until the end of September 2017.
- Stands will be identified as follows from West to East:
N1, N1A, N1B, N2, N2A, N2B, N3, N3A, N3B, N4, N4A, N4B, N5, N5A, N5B, N6, N6A, N6B, N7, N7A, and N7B
- Stands can only be used for parking. Embarking and disembarking operations are prohibited. Aircraft should be towed in and out.
- Phase 1 will open 15 July 2017, Stands N1 to N4.
- Phase 2 will open end of September 2017, Stands N5 to N7.

Impacts during construction:

- Runway 10-28 will be closed.
- Taxiway Echo will be closed between the Main Apron and Bravo taxiway.
- Taxiways India and Hotel will be closed.
- Temporary restrictions on Runway 06L-24R when the crane is in use (use will be planned for outside the peak period).
- Reduced and Low visibility procedures will be unavailable.

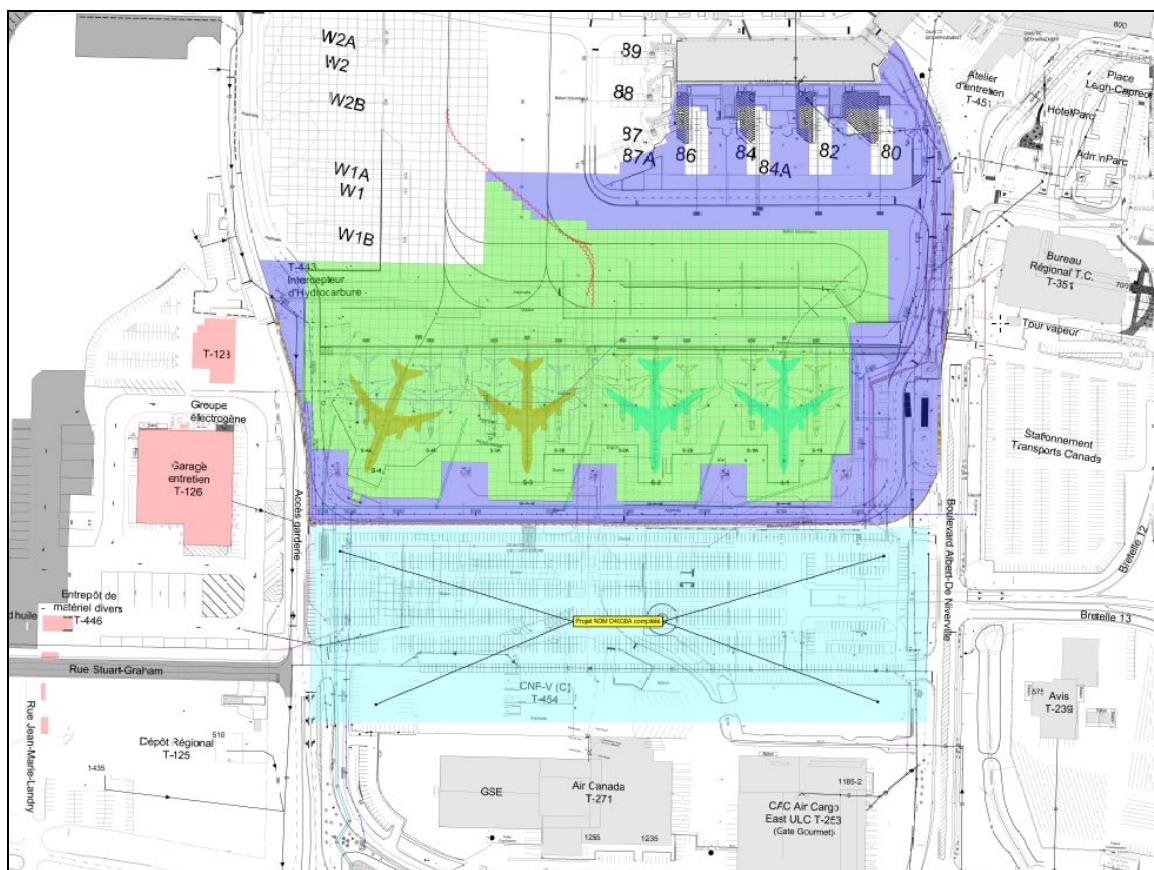


South-West Apron Expansion

- This will be a 3-year project, from 15 March 2017 until October 2019.
 - The expansion will result in 4 new type E Stands, or 8 type C Stands, or both.
 - Stands will be for operational use, boarding, and disembarking.
 - Stands will be identified as follows from West to East:
- S1, S1A, S1B, S2, S2A, S2B, S3, S3A, S3B, S4, S4A, and S4B.

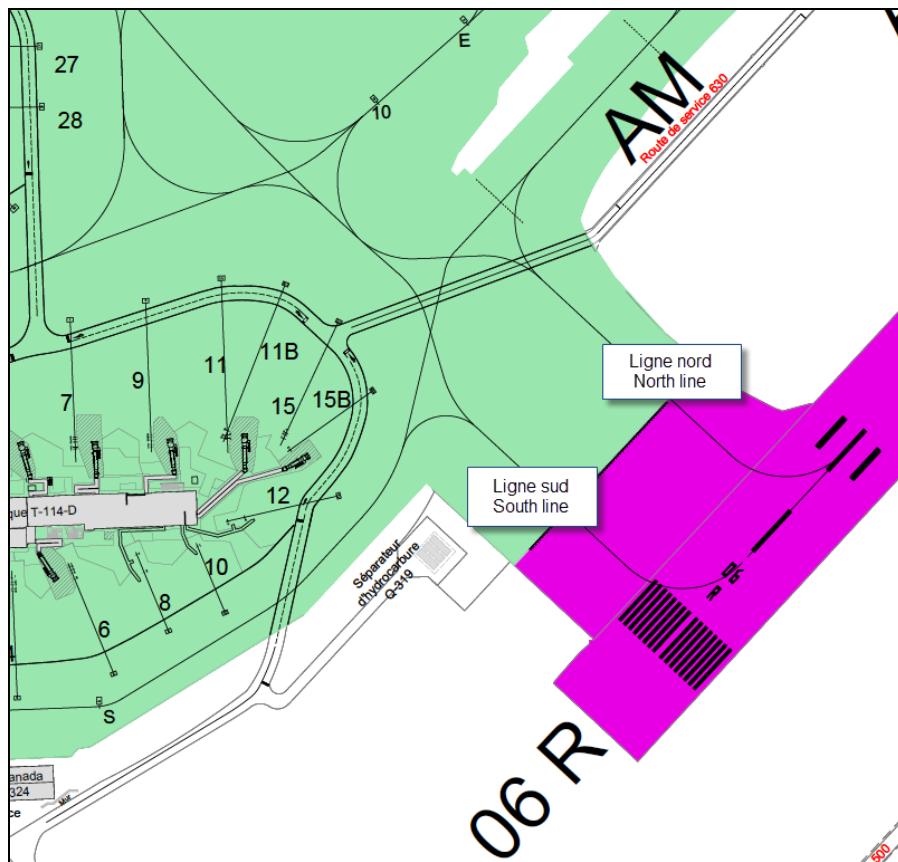
Impacts during construction:

- Gate 80 will be closed from April 2017 to August 2017.
- Aircraft pushing back from Gate 82 to Gate 84 must follow Apron control temporary instructions.



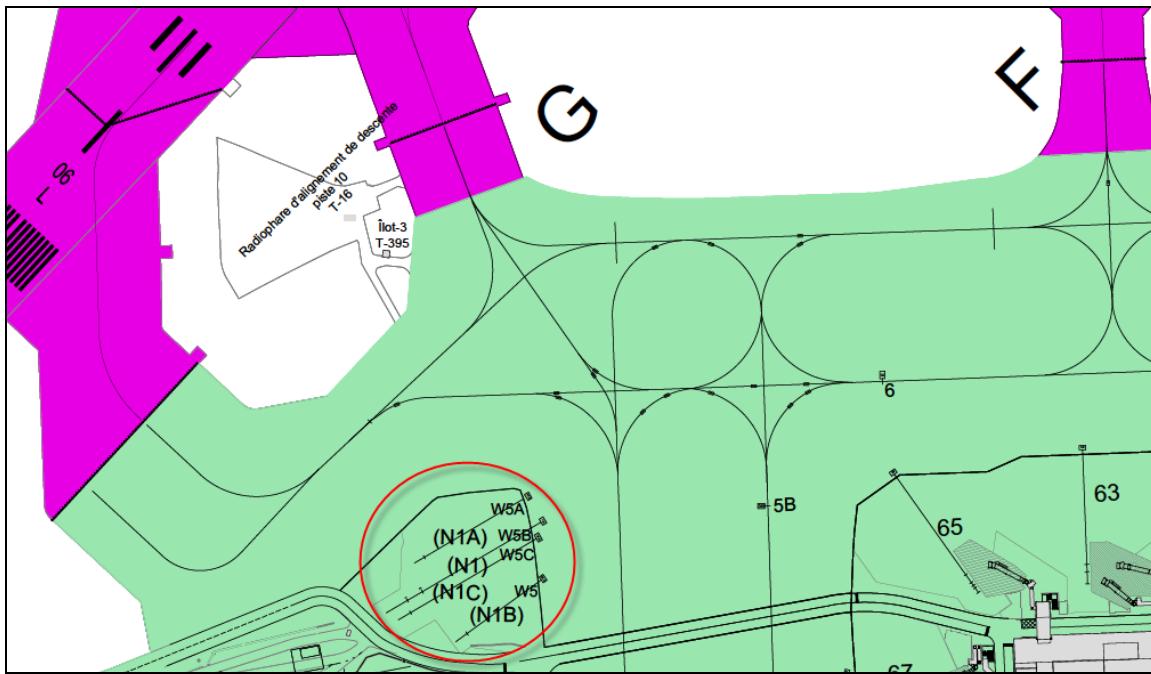
Holding Bay 06R Capacity – New Configuration

- The new configuration will allow the bay to contain 2 aircraft simultaneously.
- Aircraft with a wingspan of 65m (213 feet) or less must use the South line.
- Aircraft with a wingspan of more than 65m (213 feet) must use the North line.



Revised Parking Identification from N1 to W5

As of 15 June 2017, Stands N1, N1A, N1B, and N1C on the Main Apron will be renamed W5, W5A, W5B, and W5C.



Ground Surface Repairs

Ground surface repairs will consist of punctual work, generally conducted at night between April 2017 and November 2017:

- Intersection of Runway 06L-24R and Runway 10-28.
- Runway 06R-24L.
- Taxiway Alpha.
- Taxiway Romeo and Taxiway Lima.
- Main Apron.

James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 13/17

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating near Toronto Sunnybrook Medical Centre Heliport (CNY8), Ontario. The maximum height is 356 feet above ground level (AGL) or 867 feet above sea level (ASL). The cranes will be lighted, but they will not be painted.

The cranes will be operating within a 158-foot radius at the following coordinates:

43° 42' 15" N 79° 23' 51" W

This location is approximately 1.6 nautical miles (NM) west southwest (WSW) of the heliport. Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 12/17

MULTIPLE CRANES—TORONTO, ONTARIO

Multiple cranes will be operating near Toronto / Billy Bishop Toronto City Airport (Water) (CPZ9), Ontario. The maximum height is 455 feet above ground level (AGL) or 734 feet above sea level (ASL). The cranes will be lighted, but they will not be painted.

The cranes will be operating within a 380-foot radius at the following coordinates:

43° 38' 22" N 79° 24' 34" W

This location is approximately 0.8 nautical miles (NM) northwest (NW) of the water aerodrome. Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM Service Delivery and NOTAM Office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 11/17

QUEBEC REGION MONT SAINTE-MARGUERITE, QC WIND TURBINE FARM JUNE 2017 – JANUARY 2021

The construction of the wind turbine farm has started. The project consists of erecting 46 wind turbines and 2 wind sensor masts located in the municipalities of St-Séverin and St-Sylvestre, QC, situated between 4 and 11 NM West of St-Frédéric aerodrome, QC (see chart).

The height of each of the masts is 263 feet AGL, and 489 feet AGL for the wind turbines. The maximum overall height above the sea level will vary from 1875 and 2595 feet ASL. Of those 46 wind turbines 36 will be lighted at the end of the construction period.

CAR Standard 621 specifies the required lighting intensity as 2 000 cd (candelas). Trials will consist of lowering the lighting intensity so as to reduce the visual impact of the lighting on the surrounding population under certain visibility conditions.

The lighting variations that will be tested are:

- (a) for visibility greater than 5 km (approximately 3 SM) but less than or equal to 10 km (approximately 6 SM), lighting intensity will be set to 30% (600 cd);
- (b) for visibility greater than 10 km (approximately 6 SM), lighting intensity will be set to 10% (200 cd).

For measured visibility of less than or equal to 5 km, lighting intensity will remain at 100% (2 000 cd). Trials are scheduled to continue until January 31st, 2021.

A NOTAM will be issued at the beginning of the trial periods and in the case of any necessary changes.



A handwritten signature in black ink, appearing to read "Gino Dufour".

Gino Dufour
Associate Director, Operations
Civil Aviation, Quebec Region

AIP CANADA (ICAO) SUPPLEMENT 5/17

BLASTING ACTIVITY—MACKENZIE, BRITISH COLUMBIA

Blasting activity will take place near Mackenzie British Columbia. The height is from surface to 328 feet above ground level (AGL) or 3,793 feet above sea level (ASL).

The blasting activity will take place within a 4,921 foot radius centered at the following coordinates:

55° 30' 33" N 122° 35' 56" W

The location is approximately 22 nautical miles (NM) northeast (NE) of Mackenzie aerodrome (CYZY). Details of any procedure changes implemented due to this blasting activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM IFP—Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 4/17

BLASTING ACTIVITY—FORT ST. JOHN, BRITISH COLUMBIA

Blasting activity will take place near Fort St. John (Charlie Lake), British Columbia. The height is from surface to 328 feet above ground level (AGL) or 1,886 feet above sea level (ASL).

The blasting activity will take place within a 4,921 foot radius centered at the following coordinates:

56° 11' 42" N 120° 54' 21" W

The location is approximately 6 nautical miles (NM) southeast (SE) of Fort St. John (Charlie Lake) Water aerodrome (CEY7). Details of any procedure changes implemented due to this blasting activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM IFP—Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 3/17

LUFFING CRANE—TORONTO, ONTARIO

A luffing crane will be operating in Toronto, Ontario. The maximum height is 688 feet above ground level (AGL) or 981 feet above sea level (ASL). The crane will be lighted.

The crane will be operating within a 132 foot radius at the following coordinates:

43° 39' 25" N 079° 22' 27" W

The crane is approximately 0.25 nautical miles (NM) east-northeast (ENE) from Toronto St. Michael's Hospital Heliport (CTM4). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Avenue
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: Gheorghe Adamache, Manager
AIM IFP—Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 1/17

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 682 feet above ground level (AGL) or 1,063 feet above sea level (ASL). The structure will be lighted and painted.

The crane will be located at the following coordinates:

43° 40' 17.7" N 79° 23' 15.6" W

The crane is approximately 0.9 nautical miles (NM) north (N) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact

NAV CANADA
1601 Tom Roberts Road
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: David Legault, Manager
AIM Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 40/16

BLASTING ACTIVITY—FORT ST. JOHN, BRITISH COLUMBIA

Blasting activity will take place near Fort St. John, British Columbia. The height is from surface to 328 feet above ground level (AGL) or 2,887 feet above sea level (ASL).

The blasting activity will take place within a 984 foot radius centred at the following coordinates:

56° 17' 12.27" N 120° 55' 06.52" W

The location is approximately 1.6 nautical miles (NM) east northeast (ENE) of Fort St. John (Charlie Lake) Water Aerodrome. Details of any procedure changes implemented due to this blasting activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Road
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: David Legault, Manager
AIM Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management

AIP CANADA (ICAO) SUPPLEMENT 32/16

CRANE—TORONTO, ONTARIO

A crane will be erected in Toronto, Ontario. The maximum height is 839 feet above ground level (AGL) or 1,191 feet above sea level (ASL). The structure will not be lighted.

The crane will be located within a 171 foot radius on the following coordinates:

43° 39' 51.87" N 79° 23' 06.59" W

The crane is approximately 0.5 nautical miles (NM) north (N) of Toronto Hospital for Sick Children Heliport (CNW8). Details of any procedure changes implemented due to this crane activity will be promulgated via NOTAM, publication amendment, or both.

For further information, contact:

NAV CANADA
1601 Tom Roberts Road
P.O. Box 9824, Station T
Ottawa, ON K1G 6R2
Attention: David Legault, Manager
AIM Service Delivery and NOTAM office

Tel.: 866-577-0247
Fax: 613-248-4094
E-mail: landuse@navcanada.ca



James Ferrier
Manager, Aeronautical Information Management



AIP CANADA (ICAO) SUPPLEMENT 15/16

QUEBEC REGION TECHNOCENTRE ÉOLIEN WIND TURBINE FARM RIVIÈRE-AU-RENARD, QC MARCH 2016–DECEMBER 2018

TechnoCentre éolien will conduct trials on its wind turbines to vary the intensity of lighting according to measured visibility.

The trials will take place at a wind farm located 13 NM north of Gaspé airport, south of Rivière-au-Renard, Quebec (see map below).

CAR Standard 621 specifies the lighting intensity as 2 000 cd (candelas). The trials will consist of lowering lighting intensity so as to reduce the visual impact of the lighting on surrounding populations in certain visibility conditions.

The lighting variations that will be tested are:

- (a) for visibility greater than 5 km (approximately 3 SM) but less than or equal to 10 km (approximately 6 SM), lighting intensity will be set to 30% (600 cd); and
- (b) for visibility greater than 10 km (approximately 6 SM), lighting intensity will be set to 10% (200 cd).

For measured visibility of less than or equal to 5 km, lighting intensity will remain at 100% (2 000 cd).

The trials are scheduled to continue until December 31, 2018.



2
Aaron McCrorie
Director General, Aviation Safety Regulatory Framework
Civil Aviation

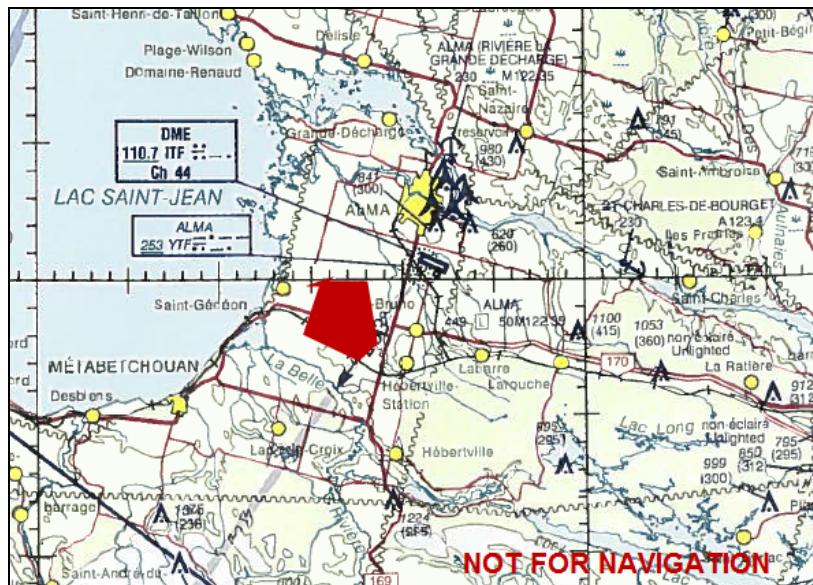
AIP CANADA (ICAO) SUPPLEMENT 43/15

QUEBEC REGION CONSTRUCTION OF A WIND TURBINE FARM (BELLE-RIVIÈRE) ST-GÉDÉON (LAC ST-JEAN), QUEBEC SPRING TO FALL 2016

The construction of the Belle-Rivière wind turbine farm will start in May 2016 and be completed in November 2016. This project consist to erect 10 wind turbines and one wind sensor mast within 3.0 and 5.7 Nm southwest of Alma airport, Qc. All of them will be lighted and will be operational at the end of the wind turbine farm's construction.

The height of the turbines will be 474 feet AGL, the maximum height above sea level will vary from 872 feet ASL to 985 feet ASL, the height of the wind sensor, in the middle of the farm will be 328 feet AGL, 874 feet ASL.

A NOTAM will be issued to confirm the beginning of works or in the event of changes.




Aaron McCrorie
Director General, Aviation Safety Regulatory Framework
Civil Aviation

AIP CANADA (ICAO) SUPPLEMENT 51/14

ONTARIO REGION LASER PROJECTION IN THE VICINITY OF EGBERT, ONTARIO MAY 31, 2014 TO MAY 31, 2019

(Replaces AIP Supplement 25/09)

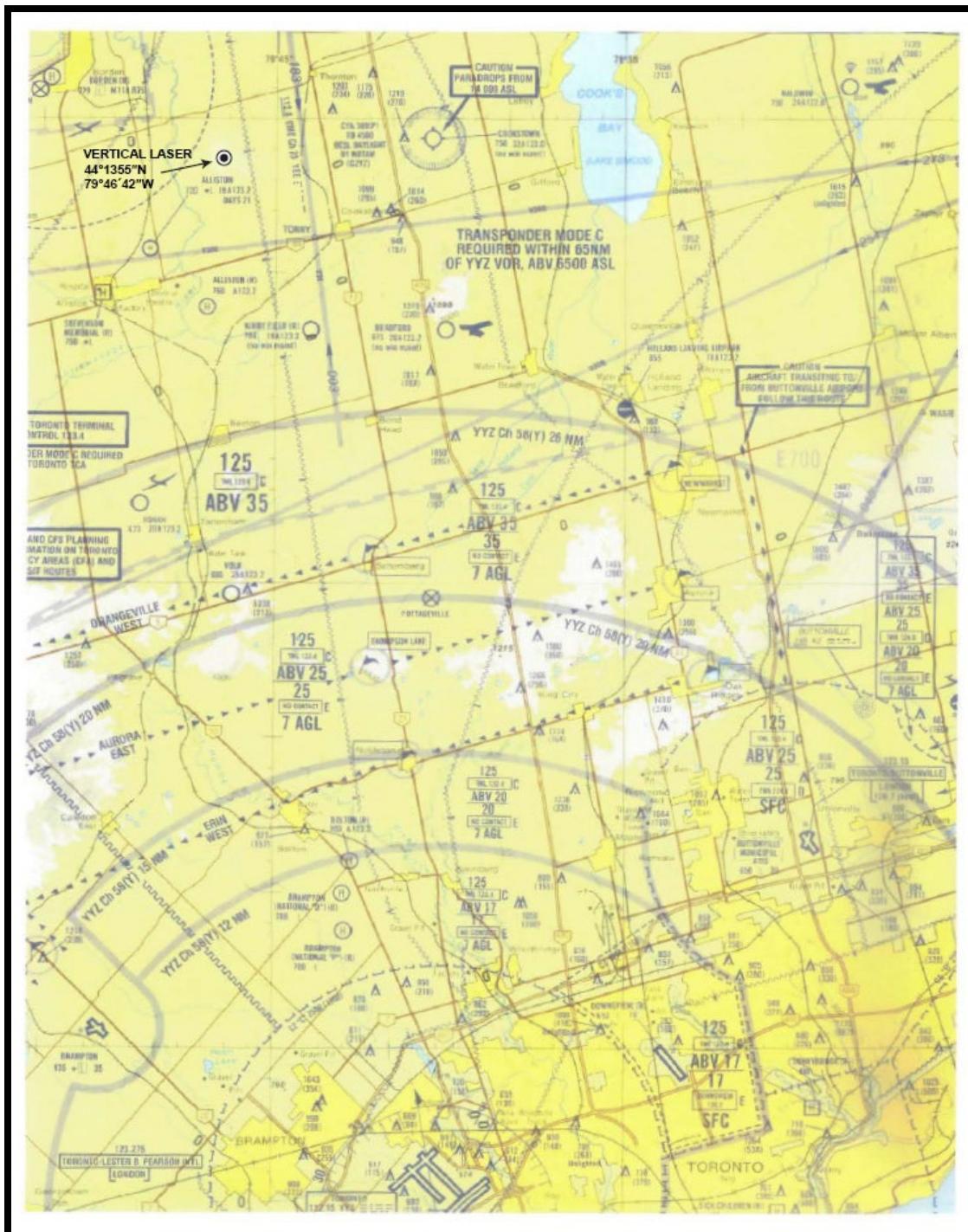
In April 2009, Environment Canada's Centre for Atmospheric Research Experiments began a multi-year study using a laser located on the grounds of the Centre for Atmospheric Research Experiments at coordinates 44° 13' 55" N 79° 46' 42" W. The laser propagates a stationary vertical green beam, which is not visible during daylight. It projects day and night when there is no precipitation.

Several measures have been taken to mitigate risks to aviation. The beam is being significantly diverged to reduce the block of altitude that presents a hazard to aircraft crew and passengers. A radar interlock system has been designed to shut off the laser when an aircraft enters the nominal hazard zone. In addition, the laser cannot propagate a beam if the radar is not transmitting.

In the event of a simultaneous failure of both protection systems, an aircraft overflying the narrow beam and a crew member or passenger looking straight down at the light source, there would be risk of injury to the eyes up to 4 000 ft above the laser source (5 000 ft ASL). Flash blindness could occur up to 7 000 ft (8 000 ft ASL); cockpit and cabin illumination could occur beyond this distance.

Pilots are reminded that *Canadian Aviation Regulation 601.22(1)* stipulates:

"No pilot-in-command shall intentionally operate an aircraft into a beam from a directed bright light source or into an area where a directed bright light source is projected, unless the aircraft is operated in accordance with an authorization issued by the Minister."



Martin J. Eley
Martin J. Eley
Director General
Civil Aviation