



# Flight Plan & Site Survey

Created using **RPAS Wilco**<sup>®</sup>

Operation Name:	Ottawa glider guiders
Pilot Name:	██████████
Pilot Certificate:	██████████
Flight Start:	April 5, 2023 3:33 PM
Flight End:	April 5, 2023 5:33 PM
Flight Area (Latitude):	45° 3' 57.10" N ( 45.066 )
Flight Area (Longitude):	75° 35' 45.60" W ( -75.596 )
Altitude - Radius:	Alt: 600 ft - Rad: 926.0 m ( 0.5 nm)
Airspace:	ADVISORY
FIR - Contact:	CZUL - 506-867-7173

Please ensure you received all required authorizations prior to flight.

## Disclaimer

This Site Survey was created using RPAS Wilco by AIM Robotics. The flight plan contained is intended only for RPAS flights on the date/time and location specified. The user accepts all responsibility for the accuracy and completeness of the information contained.

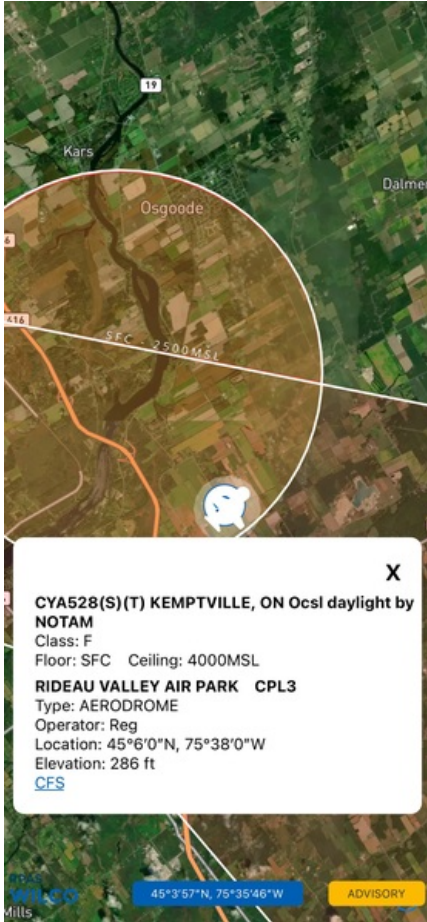
For the complete Terms & Conditions, see

<https://rpswilco.com/#/tnc>



## Included

- Site Survey
- Obstacles (if available)
- Nearby Aerodromes
- Canadian Aviation Regulations
- GFA
- Aerodrome Supplements
  - METAR & TAF (if available)
  - NOTAMS
  - CFS

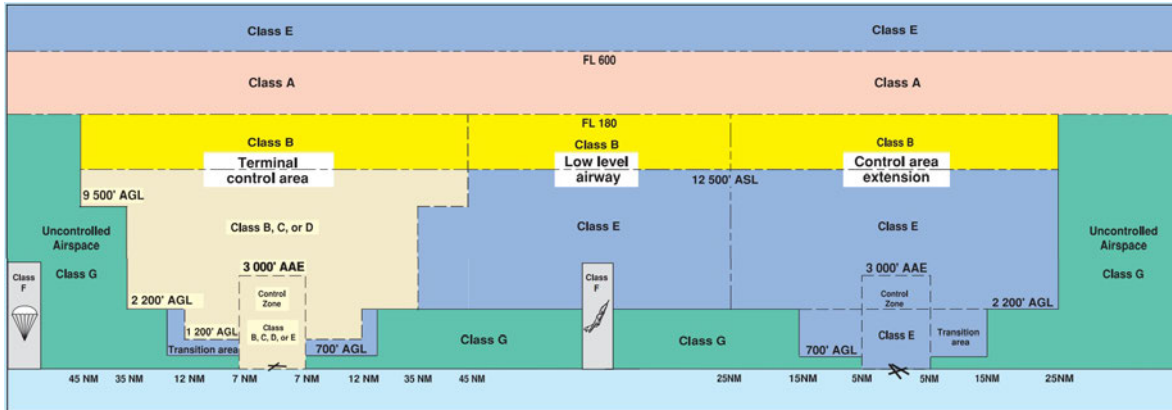
## Flight Map



## MAP Details

	Latitude	Longitude
 <b>MODEL</b>	45° 3' 57.10" N ( 45.066 )	75° 35' 45.60" W ( -75.596 )
 <b>Pilot</b>	45° 4' 0.70" N ( 45.0669 )	75° 35' 49.20" W ( -75.597 )

## Airspace Classification



## Overlying Airspaces

Class	Name	Floor	Ceiling
E	Montreal FIR CAE	6000MSL	12500MSL
B	Montreal FIR CAE	12500MSL	18000MSL
E	Ottawa, ON CAE	2500MSL	12500MSL
B	Ottawa, ON CAE	12500MSL	18000MSL
E	Ottawa XPNDR MANDTRY	6500MSL	12500MSL
F	CYA528(S)(T) KEMPTVILLE, ON 0csl daylight by NOTAM	SFC	4000MSL
B	T634 Airway	12500MSL	18000MSL
E	T634 Airway	2200AGL	12500MSL
B	Ottawa, ON TCA	12500MSL	18000MSL
C	Ottawa, ON TCA	5000MSL	12500MSL
C	Ottawa, ON TCA	4000MSL	5000MSL
C	Ottawa, ON TCA	3000MSL	4000MSL
C	Ottawa, ON TCA	2500MSL	3000MSL
B	T781 Airway	12500MSL	18000MSL
E	T781 Airway	2200AGL	12500MSL

## Nearest Aerodromes & Distance from Operation

RIDEAU VALLEY AIR PARK (CPL3 AERODROME Reg)	Lat: 45.1	Long: 75.633	4.78 KM	2.58 NM
OTTAWA (WINCHESTER DISTRICT MEMORIAL HOSPITAL) (CWH4 HELIPORT Cert)	Lat: 45.088	Long: 75.354	19.161 KM	10.35 NM
MACDONALD CARTIER INTL (CYOW AERODROME Cert)	Lat: 45.323	Long: 75.667	29.129 KM	15.73 NM
SMITHS FALLS MONTAGUE (RUSS BEACH) (CYSH AERODROME Reg)	Lat: 44.946	Long: 75.94	30.151 KM	16.28 NM

# Canadian Aviation Regulations

## Division III — General Operating and Flight Rules

For full listing please visit <https://laws-lois.justice.gc.ca/eng/regulations/SOR-96-433/FullText.html#s-901.27>

### Visual Line-of-sight

- **901.11 (1)** Subject to subsection (2) no pilot shall operate a remotely piloted aircraft system unless the pilot or a visual observer has the aircraft in visual line-of-sight at all times during flight.
- **(2)** A pilot may operate a remotely piloted aircraft system without the pilot or a visual observer having the aircraft in visual line-of-sight if the operation is conducted in accordance with a special flight operations certificate — RPAS issued under section 903.03.

### Procedures

- **901.23 (1)** No pilot shall operate a remotely piloted aircraft system unless the following procedures are established:
  - **(a)** normal operating procedures, including pre-flight, take-off, launch, approach, landing and recovery procedures; and
  - **(b)** emergency procedures, including with respect to
    - **(i)** a control station failure,
    - **(ii)** an equipment failure,
    - **(iii)** a failure of the remotely piloted aircraft,
    - **(iv)** a loss of the command and control link,
    - **(v)** a fly-away, and
    - **(vi)** flight termination.
- **(2)** If the manufacturer of the remotely piloted aircraft system provides instructions with respect to the topics referred to in paragraphs (1)(a) and (b), the procedures established under subsection (1) shall reflect those instructions.
- **(3)** No pilot shall conduct the take-off or launch of a remotely piloted aircraft unless the procedures referred to in subsection (1) are reviewed before the flight by, and are immediately available to, each crew member.
- **(4)** No pilot shall operate a remotely piloted aircraft system unless the operation is conducted in accordance with the procedures referred to in subsection (1).

### Site Survey

**901.27** No pilot shall operate a remotely piloted aircraft system unless, before commencing operations, they determine that the site for take-off, launch, landing or recovery is suitable for the proposed operation by conducting a site survey that takes into account the following factors:

- **(a)** the boundaries of the area of operation;
- **(b)** the type of airspace and the applicable regulatory requirements;
- **(c)** the altitudes and routes to be used on the approach to and departure from the area of operation;
- **(d)** the proximity of manned aircraft operations;
- **(e)** the proximity of aerodromes, airports and heliports;
- **(f)** the location and height of obstacles, including wires, masts, buildings, cell phone towers and wind turbines;
- **(g)** the predominant weather and environmental conditions for the area of operation; and
- **(h)** the horizontal distances from persons not involved in the operation.

### Operations at or in the Vicinity of an Aerodrome, Airport or Heliport

- **901.47 (1)** No pilot shall operate a remotely piloted aircraft at or near an aerodrome that is listed in the *Canada Flight Supplement* or the *Water Aerodrome Supplement* in a manner that could interfere with an aircraft operating in the established traffic pattern.
- **(2)** Subject to section 901.73 no pilot shall operate a remotely piloted aircraft at a distance of less than
  - **(a)** three nautical miles from the centre of an airport; and
  - **(b)** one nautical mile from the centre of a heliport.
- **(3)** No pilot shall operate a remotely piloted aircraft at a distance of less than three nautical miles from the centre of an aerodrome operated under the authority of the Minister of National Defence unless the operation is conducted in accordance with a special flight operations certificate — RPAS issued under section 903.03.

### Records

- **901.48 (1)** Every owner of a remotely piloted aircraft system shall keep the following records:
  - **(a)** a record containing the names of the pilots and other crew members who are involved in each flight and, in respect of the system, the time of each flight or series of flights and
  - **(b)** a record containing the particulars of any mandatory action and any other maintenance action, modification or repair performed on the system, including
    - **(i)** the names of the persons who performed them,
    - **(ii)** the dates they were undertaken,
    - **(iii)** in the case of a modification, the manufacturer, model and a description of the part or equipment installed to modify the system, and
    - **(iv)** if applicable any instructions provided to complete the work.
- **(2)** Every owner of a remotely piloted aircraft system shall ensure that the records referred to in subsection (1) are made available to the Minister on request and are retained for a period of
  - **(a)** in the case of the records referred to in paragraph (1)(a), 12 months after the day on which they are created; and
  - **(b)** in the case of the records referred to in paragraph (1)(b), 24 months after the day on which they are created.
- **(3)** Every owner of a remotely piloted aircraft system who transfers ownership of the system to another person shall, at the time of transfer, also deliver to that person all of the records referred to in paragraph (1)(b).

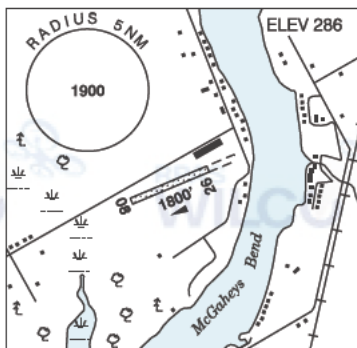
## ONTARIO

## AERODROME/FACILITY DIRECTORY

## KARS / RIDEAU VALLEY AIR PARK ON

CPL3

<b>REF</b>	N45 06 W75 38 3S 14°W UTC-5(4) Elev 286' A1905 A5000 A5002
<b>OPR</b>	Chris Williams 613-296-3391 Reg PPR
<b>PF</b>	C-1,2,4,5 D-3,6
<b>FLT PLN</b>	(bil)
<b>FIC</b>	Québec 866-GOMÉTÉO or 866-WXBRIEF (Toll free within Canada) or 866-541-4105 (Toll free within Canada & USA)
<b>RWY DATA</b>	Rwy 08/26 1800x100 GRASS
<b>RCR</b>	Opr No win maint. May be soft in spring.
<b>COMM</b>	
<b>ATF</b>	tfc 123.4 5NM 3300 ASL excluding the airspace that lies within Ottawa TCA class C airspace
<b>PRO</b>	Glider activity in area.



## ONTARIO

## AERODROME/FACILITY DIRECTORY

## OTTAWA (WINCHESTER DISTRICT MEMORIAL HOSP) ON (Heli)

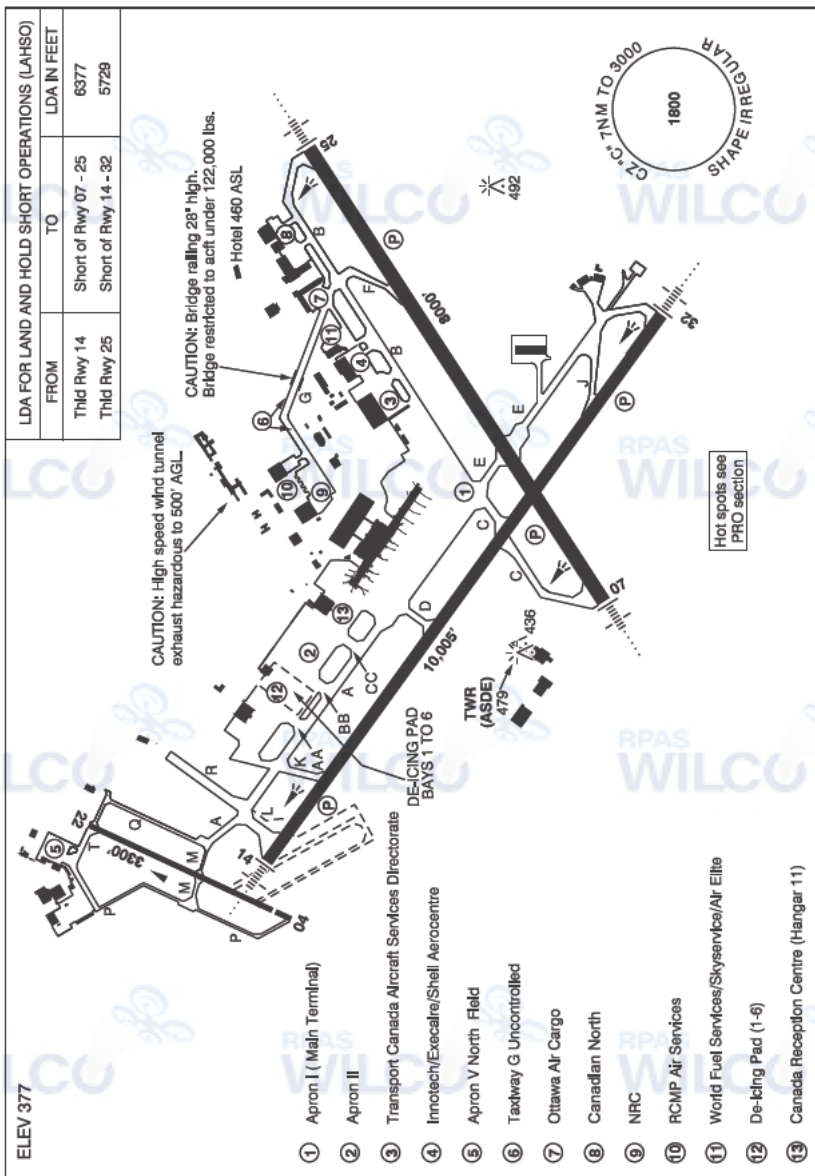
CWH4

<b>REF</b>	N45 05 17 W75 21 16 Adj 14°W (2012) UTC-5(4) Elev 258' A1905 A5000 A5002
<b>OPR</b>	Winchester District Mem Hosp 613-774-2422 Ext 6209 Cert PPR
<b>PF</b>	A-1,2,3,4,5 C-6
<b>FLT PLN</b>	(bil)
<b>FIC</b>	Québec 866-WXBRIEF or 866-GOMÉTÉO (Toll free within Canada) or 866-541-4105 (Toll free within Canada & USA)
<b>HELI DATA</b>	FATO/TLOF 86' x 86' ASPH Safety Area 114' x 114' Max heli overall length 57.7'
<b>RCR</b>	Opr
<b>LIGHTING</b>	RY(LO)
<b>PRO</b>	Arr/dep btwn 247°-253° fr heli, slope 6% (H3), day/night use.



OTTAWA / MACDONALD-CARTIER INTL ON

CYOW



<b>REF</b>	N45 19 21 W75 40 02 Adj S 14°W UTC-5(4) Elev 377' A1905 A5000 A5002 LO6 LO7 HI5 T2 CAP OC
<b>OPR</b>	Ottawa Macdonald-Cartier Intl Aprt Authority 613-248-2200 H24 Cert
<b>PF</b>	A-1,2,3,6,7 C-4,5

## ONTARIO

## AERODROME/FACILITY DIRECTORY

## OTTAWA / MACDONALD-CARTIER INTL ON (Cont'd)

CYOW

<b>CUST</b>	AOE 888-226-7277 Pilots to call appropriate fixed base opr (FBO) prior to ldg on pvt adv freq & request cust be advised of intended location for clnc. Cust clnc at Apron II 12-05Z± 1 hr PN.
<b>FLT PLN</b>	
<b>FIC</b>	(bil) Québec 866-GOMÉTÉO or 866-WXBRIEF (Toll free w/ in Canada) or 866-541-4105 (Toll free within Canada & USA)
<b>ACC WX</b>	Montreal 514-633-3211 or 800-633-1353, all Flt Plns, IFR tng PPR METAR H24
<b>DUAT</b>	TAF H24, issue times: 00, 03, 06, 09, 12, 15, 18 & 21Z. Ottawa Flying Club; World Fuel Services/Skyservice/Air Elite; Innotech/Execaire/Shell Aerocentre
<b>SERVICES</b>	
<b>FUEL</b>	100LL, JA-1
<b>OIL</b>	All
<b>S</b>	1(ltd), 2,3,4(ltd)
<b>ARFF</b>	DESIGNATED CAT 8
<b>SUP FL</b>	LHOX PN, D & A-ice
<b>PVT ADV</b>	Ottawa Flying Club (North Field) 123.35 12-02Z±; Innotech/Execaire/Shell Aerocentre (South Field) 123.0 11-03Z±; World Fuel Services/Skyservice/Air Elite 129.85 10-05Z±, O/T 613-739-3776
<b>MIL CON</b>	Innotech Aviation Services (Shell) 613-736-5959
<b>RWY DATA</b>	Rwy 14(140°)/32(320°) 10,005x197 grooved ASPH Rwy 07(071°)/25(251°) 8000x197 grooved ASPH Rwy 04(039°)/22(219°) 3300x75 ASPH Thld 04 displ 250'. Rwy 04 down 0.36%. Rstd to acft not exceeding 60,000 lbs. RESA: 07/25 984'; 14/32 1000' Abv 15°C, no acft with more than 100 pax or over 85,000 lbs is auth to perform 180° turns on any rwy without perms 613-248-2013
<b>RWY CERT</b>	Rwy 14 RVR 1200(1/4sm)/Rwy 32 RVR 1200(1/4sm) AGN V Rwy 07 RVR 1200(1/4sm)/Rwy 25 RVR 1200(1/4sm) AGN V Rwy 04/22 AGN II
<b>TWY CERT</b>	Twy A: AGN V fr Apron I to Twy L & AGN II fr Twy L to Twy M Twy G AGN IIIB Twy: M, P, Q, T AGN II
<b>TWY</b>	Twy G: Uncontrolled. Bridge max weight 122,000 lbs. Twy M, P, Q and T rstd to acft not exceeding 60,000 lbs
<b>APRON</b>	<b>De-icing Bays</b> Bay 1, 3, 4, 6 - May be used by acft with wingspans 36m (118') or less Bay 2 - May be used by acft with the wingspans 65m (213') or less. If CC/K used, he Taxi must be on the West taxi line only with crossover to/from Bay 2. Bay 5 - May be used by acft with the wingspan 80m (262') or less. If CC/K used, taxi must be on the west taxi line only with crossover to/from Bay 5.
<b>RCR</b>	Opr CRFI. PLR/PCN
<b>LIGHTING</b>	07-AN(TE HI) P3, 25-AN(TE HI) P3, 14-AN(TE HI) P3, 32-AN(TE HI) P3
<b>COMM</b>	(bil)
<b>RCO</b>	Québec rdo 123.15 (FISE) 126.7 (bcst)
<b>ATIS</b>	(English) 121.15 (French) 132.95
<b>CLNC DEL</b>	Ottawa 119.4 <b>all dep acft to ctc clnc del</b>
<b>GND</b>	Ottawa 121.9
<b>TWR</b>	Ottawa 118.8 (VFR South) 120.1 (VFR North) 118.8 341.3 (V) (emerg only 613-248-3814)
<b>TML</b>	Ottawa 127.7
<b>ARR</b>	Ottawa ARR 135.15
<b>DEP</b>	Ottawa DEP 128.175



## ONTARIO

## AERODROME / FACILITY DIRECTORY

## OTTAWA / MACDONALD-CARTIER INTL ON (Cont'd)

CYOW

## NAV

**NDB** OW 236 (L) N45 21 37 W75 33 40  
**VOR/DME** YOW 114.6 Ch 93 N45 26 30 W75 53 49 (482')  
**DME** IOW 109.5 Ch 32 N45 18 50 W75 40 01 (398')  
**ILS** IOW 109.5 (Rwy 07) RVR LOC reliable only within 10° either side of centreline;  
 IRP 110.3 (Rwy 32) RVR LOC reliable only within 10° either side of centreline.

## PRO

Pilots should refer to Canadian Airport Charts (CAC) to obtain details on established hot spots, prior to operating on maneuvering areas. CAC are available for free on the NAV CANADA website.

**ATC:**

**IFR CLNC ACKNOWLEDGEMENT:** IFR clnc read back with Ottawa twr clnc del shall include acft call sign, assigned SID name and transponder code.

**CIRCUITS:** Rgt hand circuits Rwys 07, 14 & 22 (CAR 602.96).

**FOD:** The grade of sand which is used extensively on the aprt dur win may pose a FOD hazard to some acft. Formations and other line astern fit ops should adopt pro to avoid ingestion.

**NOISE ABATEMENT PROCEDURES:** Turbojet and turboprop acft; refer to CAP; propeller acft: dep Rwy 32 to 1500 ASL before proceeding on crs. Circuit hgt 1500 ASL Rwys 04-14 to maintain 1500 ASL, wx permitting, until established on final apch. Tng fit permitted 0815-2359 lcl time, no VFR tng circuits on Rwy 14/32 below 1500 ASL, no practice rwy pro to Rwy 14.

For practice IFR apchs to active IFR rwys dur peak hrs 1315-1400Z† & 1930-2400Z† Mon-Fri, ctc Montreal Flight Planning 514-633-3211 or 800-633-1353, for possible delays & rwy info.

Turbo-jet take-off and landing not permitted Rwy 04/22.

**WEST VFR ARR/DEP ROUTES:**

**DEPARTURES:** SEE OTTAWA M.-C.I. WEST VFR DEPARTURE PROCEDURES CHART

Unless otherwise instructed by ATC contact North Tower on 120.1 when ready,  
 – Bells Corners Departure (Depart Rwy 22), climb rwy hdg to Rideau River remaining north of Rwy 25 centerline at all times, at Rideau River, turn rgt hdg 250, climb to 1300 ASL. At 1300 ASL, continue climb not abv 1500 ASL direct Bells Corners and then to Constance Lake.

- Contact Ottawa Terminal on 127.7 at Bells Corners

– Champlain Bridge Departure (Depart Rwy 04), left turn direct Champlain Bridge then to Deschenes Quarry climb not abv 1500 ASL.

- Contact Ottawa Terminal on 127.7 at the bridge

All other VFR acft should anticipate dep instructions from ATC.

**ARRIVALS:** SEE OTTAWA M.-C.I. WEST VFR ARRIVALS PROCEDURES CHART

– Rwy 22, proceed via E side of Ottawa River to Deschenes Quarry & then direct Champlain Bridge at 2000 ASL.

– Rwy 04, proceed via W side of Ottawa River to Constance Lake, then direct Bells Corners at 2000 ASL.

All other VFR acft should anticipate arr instructions from ATC.

**DE-ICING OPERATIONS**

1. Ctc PAD CONTROL on 122.925 30 min prior to dep if de-icing is rqrd. Notify of any special treatments prior to taxi to CDF.

2. Ctc Ottawa GND after pushback for taxi to CDF.

3. Hold short of the CDF on K, AA, BB or CC and ctc PAD CONTROL for further taxi.

4. Follow instructions and electronic sign boards to de-icing bays.

5. Stop on the 2nd (illuminated) yellow stop bar, immediately set brakes and advise PAD CONTROL. DO NOT MOVE ACFT. This will allow positioning of trucks while you configure your aircraft.

6. Once instructed switch to ICEMAN on 122.350, confirm brakes are set, confirm treatment and that acft is configured for treatment (engines at idle/props feathered/pacs off). If you can't reduce engines to idle ICEMAN must know, de-icing may not be possible with running engines.

7. After de-icing, configure acft for taxi, however, DO NOT MOVE ACFT.

8. Once instructed, ctc PAD CONTROL for taxi.

9. Follow instructions to designated exit point. Holding short of Twy A, ctc GND 121.9

## ONTARIO

## AERODROME / FACILITY DIRECTORY

## OTTAWA / MACDONALD-CARTIER INTL ON (Cont'd)

CYOW

**VFR FLIGHTS IN OTTAWA MACDONALD-CARTIER CLASS C CZ AND TCA TERMINAL.**

In order to minimize delays, ATC frequency congestion and for better airspace management, as well as to improve safety, a procedure is available allowing VFR aircraft to obtain a transponder code prior to take off. This mandatory procedure applies to VFR aircraft that did not file a flight plan or flight itinerary with Nav Canada and wishing to penetrate or operate in the Ottawa/MacDonald-Cartier Class C and terminal Class C airspace. All acft not respecting mandatory transponder code procedure will not be accepted in Ottawa/MacDonald-Cartier Class C CZ and TCA C airspace.

To obtain a transponder code:

A discrete transponder code shall be obtained at least 30 minutes prior to the flight taking off toward Ottawa/MacDonald-Cartier Class C CZ and TCA airspace, by contacting the Montreal ACC at 866-VFR-CODE (866-837-2633), or the FIC at 1-866-GOMETEO or 1-866-WX BRIEF, and providing ATC with flight information. Aircraft departing CYUL, CYJN, CYHU, CYOW, CYMX or CYND will obtain their transponder code from the Control Tower or FSS.

Flight procedure:

1. Set your transponder to the assigned code prior to your first communication with ATC.
2. To the extent possible, ctc ATC at least 5NM prior to entering Ottawa/MacDonald-Cartier Class C and terminal Class C airspace.

**OTTAWA CZ AIRSPACE SPLIT FOR VFR FLIGHTS**

YOW CZ is divided into two sectors with separate frequencies.

Contact OTTAWA TWR on 120.1 when North of Rwy 07/25 extended centreline and OTTAWA TWR on 118.8 when South of Rwy 07/25 extended centreline or on final for Rwy 07/25. Holding short of Rwy 04/22, contact OTTAWA TWR on 120.1 when ready for take-off.

**CAUTION**

Migratory birds in vic of aprt Mar-Apr, Sep-Oct.

## ONTARIO

## AERODROME/FACILITY DIRECTORY

## SMITHS FALLS-MONTAGUE (RUSS BEACH) ON

CYSH

<b>REF</b>	N44 56 45 W75 56 25 3.5NE 14°W UTC-5(4) Elev 418' A1905 A5000 A5002 LO6 LO7 T2 RCAP	
<b>OPR</b>	Smiths Falls Flying Club & APM 613-430-5060 Reg	
<b>PF</b>	A-1,7,8 C-2,3,4,5 D-6	
<b>CUST</b>	AOE/CAN	
<b>FLT PLN</b>	(bil)	
<b>FIC</b>	Québec 866-WXBRIEF or 866-GOMÉTÉO (Toll free within Canada) or 866-541-4105 (Toll free within Canada & USA)	
<b>WX</b>	WxCam	
<b>SERVICES</b>		
<b>FUEL</b>	100LL (self-serve H24)	
<b>S</b>	2,5	
<b>RWY DATA</b>	Rwy 06(064°)/24(244°) 3998x75 asphalt	Rwy 24 up 0.7% first third
<b>RCR</b>	Opr Ltd win maint	
<b>LIGHTING</b>	06-(TE ME) AP 3.5°, 24-(TE ME) AP 3.5°	ARCAL-122.9 type K
<b>COMM</b>		
<b>ATF</b>	UNICOM ltd hrs O/T t/c 122.7	5NM 3400 ASL excluding the airspace that lies within Ottawa TCA class C airspace.
<b>PRO</b>	<p>VFR FLIGHTS IN OTTAWA CLASS C AND TERMINAL CLASS C AIRSPACE SEE OTTAWA/MACDONALD-CARTIER INTL FOR PROCEDURES.</p> <p><b>VFR Codes:</b> In order to minimize delays, ATC freq congestion and for better airspace management, as well as to improve safety, c/c the Montreal ACC at 866-VFR-CODE (866-837-2633), or the FIC at 1-866-GOMETEO or 1-866-WX BRIEF, to provide ATC with info pertaining to your flt to obtain your transponder code at least 30 min prior to a flight into Ottawa Class C airspace.</p>	
<b>CAUTION</b>	Wildlife frequently on rwy. Right hand glider ops wknds Apr-Jun and Sep-Nov to 3000 MSL within 5NM. Trees aprx 60 AGL on apch to Rwy 24, 1300' to 600' fr thld on extended centreline and on both sides of extended centreline. Trees on apch to Rwy 06 aprx 1300' fr thld 80 AGL & aprx 600' fr thld 45 AGL.	