# FLIGHT PLAN & SITE SURVEY

## OREO TWIN ELMS FIELD

October 31, 2026

**IMPORTANT NOTICE**

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# Mission Information

OREO TWIN ELMS FIELD

## FLIGHT DETAILS

| | |
|---|---|
| Reference No: | **MAAC-622-5516** |
| Project Name: | **OTTAWA REGION ELECTRIC ORGANISATION** |
| Pilot Name: | **MAAC** |
| Pilot Certificate: | |
| Mission Type: | **VLOS** |
| Flight Start: | **October 31, 2026 02:52 PM** |
| Flight End: | **October 31, 2026 03:52 PM** |

## LOCATION DETAILS

| | |
|---|---|
| Flight Address: | **OREO TWIN ELMS FIELD** |
| Latitude: | **45° 12' 13.98" N ( 45.204 )** |
| Longitude: | **75° 47' 32.97" W ( -75.792 )** |
| Field Elevation: | **302 ft MSL** |
| Altitude / Radius: | **400.0 ft / 926 m ( 0.5 nm )** |
| Classification: | **UNCONTROLLED** |
| FIR / Contact: | **CZUL / 514-633-3365** |

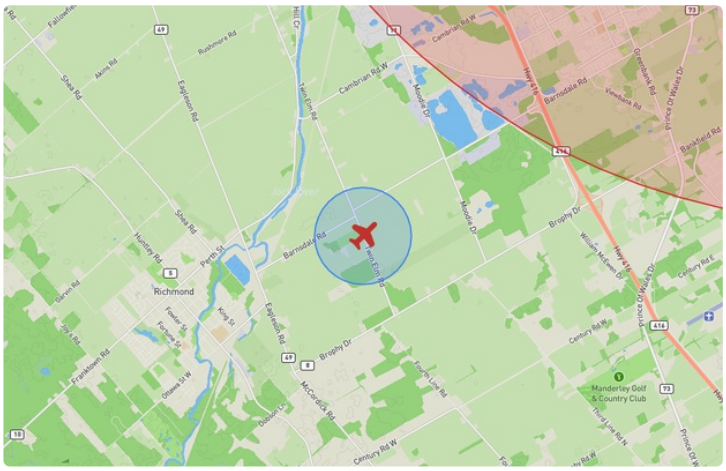
**REPORT CONTENTS**

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

# Flight Map & MODEL Details

MISSION LOCATION SURVEY

## FLIGHT AREA MAP



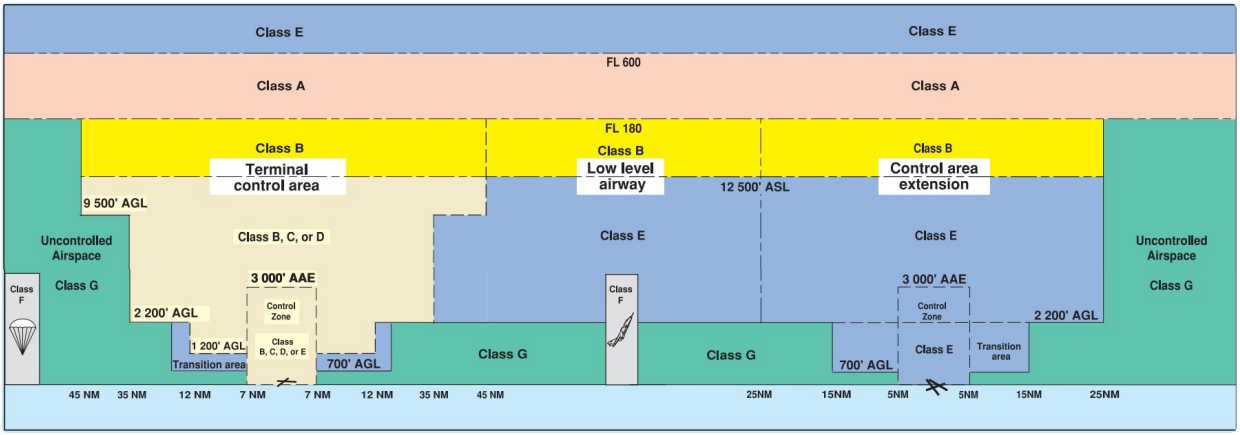

## MISSION LOCATION DETAILS

| ROLE | LATITUDE | LONGITUDE |
|---|---|---|
| MODEL | 45° 12' 13.98" N<br>45.204 | 75° 47' 32.97" W<br>-75.792 |
| Pilot | | |
| Payload Op. | | |
| Observer | | |

# Airspace Classification

MISSION LOCATION SURVEY

## AIRSPACE MAP




## OVERLYING AIRSPACES

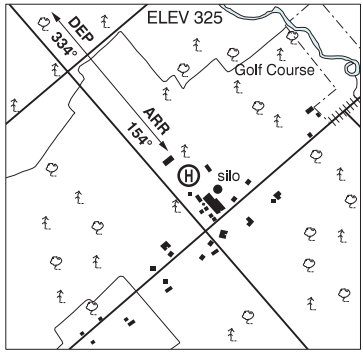
| Class | Name | Floor | Ceiling |
|---|---|---|---|
| C | Ottawa, ON g) [TCA] | 1500MSL | 2500MSL |
| E | T749 Fixed RNAV Route | 2200AGL | 12500MSL |
| E | T781 Fixed RNAV Route | 2200AGL | 12500MSL |
| E | T614 Fixed RNAV Route | 2200AGL | 12500MSL |
| E | Ottawa, ON b) [CAE] | 2500AGL | 18000MSL |
| C | Ottawa, ON e) [TCA] | 2500MSL | 3000MSL |
| C | Ottawa, ON d) [TCA] | 3000MSL | 4000MSL |
| C | Ottawa, ON c) [TCA] | 4000MSL | 5000MSL |
| C | Ottawa, ON b) [TCA] | 5000MSL | 12500MSL |
| E | 3.5.2-5 [CAE] | 6000AGL | 18000MSL |
| E | Ottawa, ON e) [TSP RQ] | 6500MSL | 12500MSL |

## NEAREST AERODROMES & DISTANCE FROM OPERATION

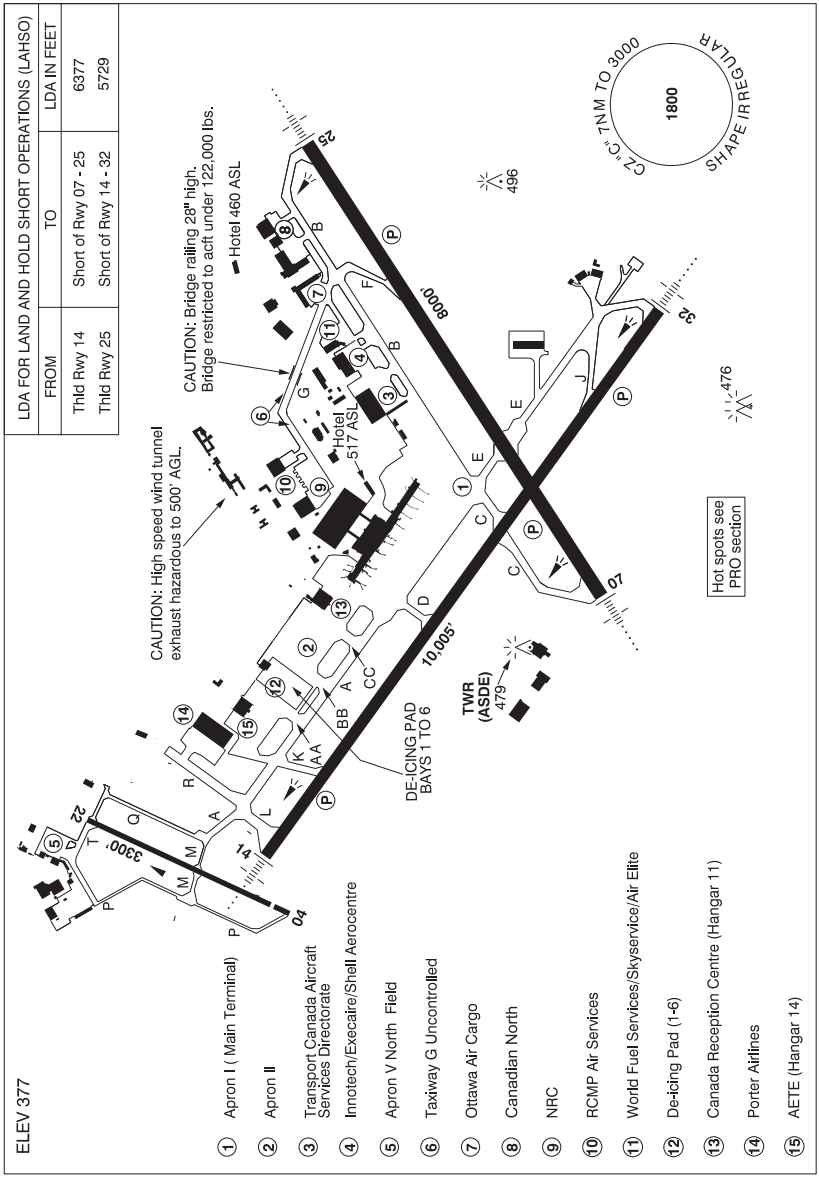
| | | | | | |
|---|---|---|---|---|---|
| DWYER HILL (CYDH - HELIPORT - Mil) | Lat: 45.131 | Long: -75.948 | 13.762KM | 7.431NM | SW |
| **Operator:** DEPARTMENT OF NATIONAL DEFENCE: PHONE: 613-838-4609, POST: UNKNOWN **FIR Contact:** 514-633-3365 | | | | | |
| MACDONALD-CARTIER INTL (CYOW - AERODROME - Cert) | Lat: 45.323 | Long: -75.667 | 15.508KM | 8.374NM | NE |
| **Operator:** OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUT: FAX: 613-248-2003, PHONE: 613-248-2121, PHONE: 613-248-2200 +1032, POST: UNKNOWN **FIR Contact:** 514-633-3365 | | | | | |
| RIDEAU VALLEY AIR PARK (CPL3 - AERODROME - Reg) | Lat: 45.1 | Long: -75.633 | 16.08KM | 8.683NM | SE |
| **Operator:** CHRIS WILLIAMS: PHONE: 613-296-3391, POST: UNKNOWN **FIR Contact:** 514-633-3365 | | | | | |

## OTTAWA / DWYER HILL ON (Heli) CYDH

| | |
|---|---|
| **REF** | N45 07 50 W75 56 54 14°W UTC-5(4)<br>Elev 325´ A1905 A5000 A5002 |
| **OPR** | DND 613-838-4609 Mil PPR 24 hrs |
| **PF** | B-1,2 (avbl 13-21Z‡) D-2,3,4,5,6 |
| **FLT PLN**<br>**FIC** | (bil)<br>Québec 866-GOMÉTÉO or<br>866-WXBRIEF (Toll free within Canada) or 866-541-4105 (Toll free within Canada & USA) |
| **HELI DATA** | 180´ x 125´ GRASS |
| **COMM**<br>**MIL** | Watchdog 173.340 Ltd hrs O/T PPR 24 hrs notice |
| **PRO** | All acft must be established abv 500 AGL if not specifically within the tactical flying area. Care must be exercised on arr/dep to not over-fly sur civ residences. Arr/dep 154°/334° to/fr heli. |
| **CAUTION** | Mil 990´ firing rng loc 330´ NE of landing zone. Extv mil flt below 500 AGL in vic. |



## OTTAWA / MACDONALD-CARTIER INTL ON CYOW




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

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

| | |
|---|---|
| **CUST** | AOE 888-226-7277<br>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. |
| **FLT PLN** | |
| **FIC** | (bil) Québec 866-GOMÉTÉO or 866-WXBRIEF (Toll free within Canada) or 866-541-4105 (Toll free within Canada & USA) |
| **ACC** | Montreal 514-633-3211 or 800-633-1353, all IFR Flt Plns, IFR tng PPR |
| **WX** | METAR H24<br>TAF H24, issue times: 00, 03, 06, 09, 12, 15, 18 & 21Z. |
| **DUAT** | Ottawa Flying Club; World Fuel Services/Skyservice/Air Elite; Innotech/Execaire/Shell Aerocentre |
| **SERVICES** | |
| **FUEL** | 100LL, JA-1 |
| **OIL** | All |
| **S** | 1(ltd), 2,3,4(ltd) |
| **ARFF** | DESIGNATED CAT 8 |
| **SUP FL** | LHOX PN, D & A-ice |
| **PVT ADV** | Ottawa Flying Club (North Field) 123.35 12-02Z‡;<br>Innotech/Execaire/Shell Aerocentre (South Field) 123.0 11-03Z‡;<br>World Fuel Services/Skyservice/Air Elite 129.85 10-05Z‡, O/T 613-739-3776 |
| **MIL CON** | Sky Service FBO Inc. 613-739-3776 |
| **RWY DATA** | Rwy 14(140°)/32(320°) 10,005x197 grooved ASPH<br>Rwy 07(071°)/25(251°) 8000x197 grooved ASPH<br>Rwy 04(039°)/22(219°) 3300x75 ASPH Thld 04 displ 250'. Rwy 04 down 0.36%. Rstd to acft not exceeding 60,000 lbs. Sked pax svc not auth.<br>RESA: 07/25 984'; 14/32 1000'<br>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 |
| **RWY CERT** | Rwy 14 RVR 1200(1/4sm)/Rwy 32 RVR 1200(1/4sm) AGN V<br>Rwy 07 RVR 1200(1/4sm)/Rwy 25 RVR 1200(1/4sm) AGN V<br>Rwy 04/22 AGN II |
| **TWY CERT** | Twy A: AGN V fr Apron I to Twy L & AGN II fr Twy L to Twy M<br>Twy G AGN IIIB<br>Twy: M, P, Q, T AGN II |
| **TWY** | Twy G: Uncontrolled. Bridge max weight 122,000 lbs.<br>Twy M, P, Q and T rstd to acft not exceeding 60,000 lbs<br>Twy R: Uncontrolled. |
| **APRON** | **De-icing Bays**<br>Bay 1, 3, 4, 6 - May be used by acft with wingspans 36m (118') or less<br>Bay 2 - May be used by acft with the wingspans 65m (213') or less. If CC used, the Taxi must be on the East taxi line only to/from Bay 2. If K used, the taxi must be on the West taxi line only to/from Bay 2.<br>Bay 5 - May be used by acft with the wingspan 65m (213') or less. If CC used, taxi must be on the East taxi line only to/from Bay 5. If K used, the taxi must be on the West taxi line only to/from Bay 5. |
| **RCR** | Opr CRFI. PCN |
| **LIGHTING** | 07-AN(TE HI) P3, 25-AN(TE HI) P3, 14-AN(TE HI) P3, 32-AN(TE HI) P3 |

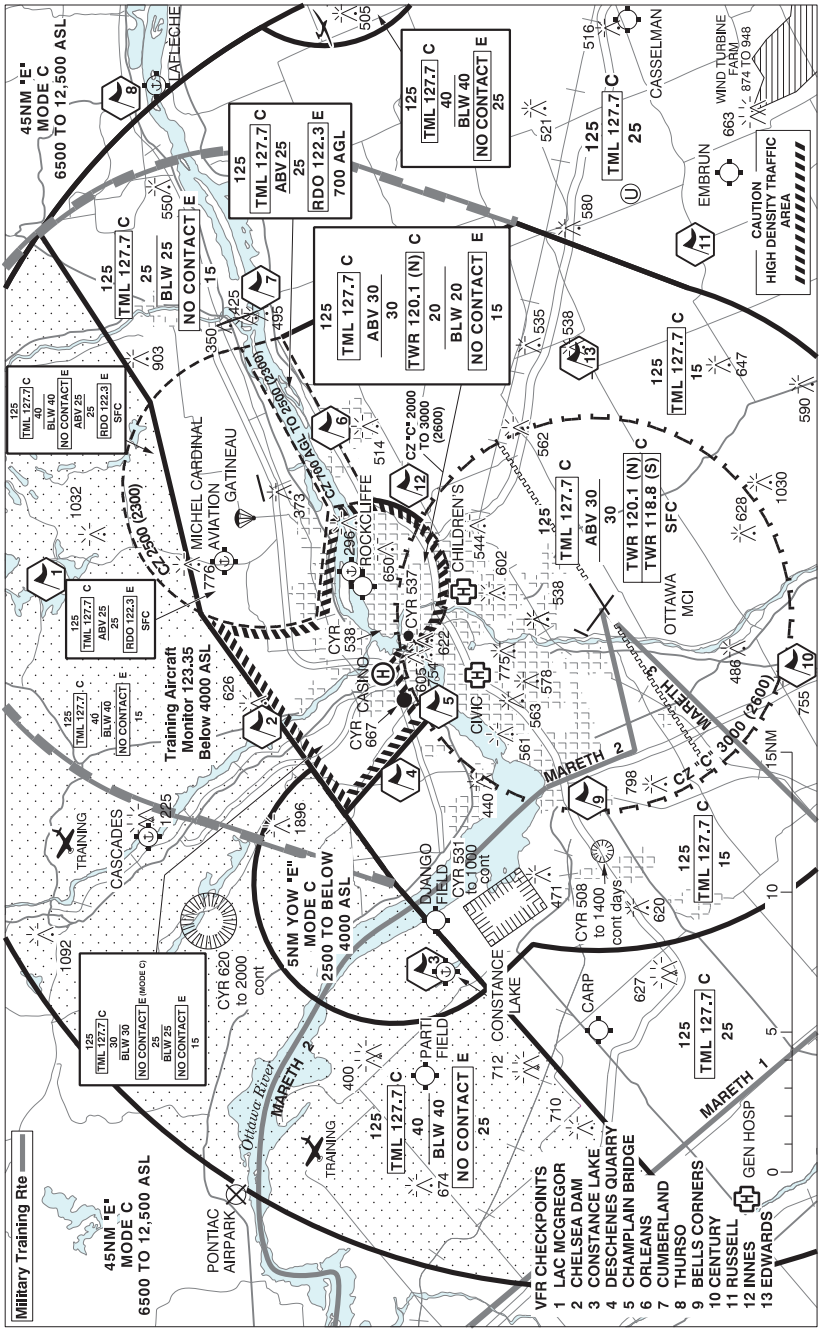
## OTTAWA / MACDONALD-CARTIER INTL ON (Cont'd) CYOW

| | |
|---|---|
| **COMM** | (bil) |
| RCO | Québec rdo 123.15 (FISE) 126.7 (bcst) |
| ATIS | (English) 121.15<br>(French) 132.95 |
| CLNC DEL | Ottawa 119.4 **all dep acft to ctc clnc del** |
| GND | Ottawa 121.9 |
| TWR | Ottawa 118.8 (VFR South) 120.1 (VFR North) 118.8 341.3 (V) (emerg only 613-248-3814) |
| TML | Ottawa 127.7 |
| ARR | Ottawa ARR 135.15 |
| DEP | Ottawa DEP 128.175 |
| **NAV** | |
| 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<br>IRP 110.3 (Rwy 32) RVR |
| **RESTRICTIONS** | All airlines filing YOW as a diversion airport must have a pre-established contract with a ground handler to service the aircraft in case of a diverted flight. |
| **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.<br>**ATC:**<br>IFR CLNC ACKNOWLEDGEMENT: IFR clnc read back with Ottawa twr clnc del shall include acft call sign, assigned SID name and transponder code.<br>**CIRCUITS**: Rgt hand circuits Rwys 07, 14 & 22 (CAR 602.96).<br>**FOD:** The grade of sand occasionally used on the aprt dur win may pose a FOD hazard to some acft. Formations and other line astern flt ops should adopt pro to avoid ingestion.<br>**NOISE ABATEMENT PROCEDURES:** Turbojet and turbofan 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 flt permitted 0815-2359 lcl time, no VFR tng circuits on Rwy 14/32 below 1500 ASL, no practice rwy pro to Rwy 14.<br>Turbo-jet take-off and landing not permitted Rwy 04/22.<br>**VFR ARR/DEP ROUTES:**<br>All VFR acft should follow arr/dep routes, unless otherwise specified by ATC. See OTTAWA M.-C.I. VFR DEPARTURE PROCEDURES CHART and OTTAWA M.-C.I. VFR ARRIVAL PROCEDURES CHART for additional details.<br><br>**DE-ICING OPERATIONS**<br>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.<br>2. Ctc Ottawa GND after pushback for taxi to CDF.<br>3. Hold short of the CDF on K, AA, BB or CC and ctc PAD CONTROL for further taxi.<br>4. Follow instructions and electronic sign boards to de-icing bays.<br>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.<br>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.<br>7. After de-icing, configure acft for taxi, however, DO NOT MOVE ACFT.<br>8. Once instructed, ctc PAD CONTROL for taxi.<br>9. Follow instructions to designated exit point. Holding short of Twy A, ctc GND 121.9<br><br>**AETE (HANGAR 14)**<br>Mil aircraft terminating at AETE (Hangar 14) PPR from AETE Ops 1-343-451-7841. When de-ice operations are active, contact Pad Control 122.925 prior to entering Apron II |

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

| | |
|---|---|
| **PRO (Cont'd)** | **VFR FLIGHTS IN OTTAWA MACDONALD-CARTIER CLASS C CZ AND TCA TERMINAL.**<br>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.<br>To obtain a transponder code:<br>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.<br>Flight procedure:<br>1.Set your transponder to the assigned code prior to your first communication with ATC.<br>2.To the extent possible, ctc ATC at least 5NM prior to entering Ottawa/MacDonald-Cartier Class C and terminal Class C airspace.<br><br>**OTTAWA CZ AIRSPACE SPLIT FOR VFR FLIGHTS**<br>YOW CZ is divided into two sectors with separate frequencies.<br>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. |

# OTTAWA M.-C.I. VFR TERMINAL PROCEDURES CHART



## OTTAWA M.-C.I. VFR TERMINAL PROCEDURES CHART (Cont'd)

| NAME | IDENT | LAT/LONG |
|---|---|---|
| BELLS CORNERS | VCBCR | N45° 19' 12" W075° 50' 00" |
| CENTURY | VCNTY | N45° 11' 22" W075° 43' 16" |
| CHAMPLAIN BRIDGE | VCCHB | N45° 24' 30" W075° 45' 30" |
| CHELSEA DAM | VCHEL | N45° 30' 48" W075° 46' 32" |
| CONSTANCE LAKE | VCCON | N45° 25' 00" W075° 59' 00" |
| CUMBERLAND | VCMBL | N45° 31' 00" W075° 24' 36" |
| DESCHENES QUARRY | VCQRY | N45° 25' 48" W075° 49' 12" |
| EDWARDS | VCEDW | N45° 19' 23" W075° 27' 58" |
| INNES | VCINS | N45° 25' 25" W075° 34' 47" |
| LAC MCGREGOR | VCPOU | N45° 38' 37" W075° 38' 52" |
| ORLEANS | VCORL | N45° 28' 34" W075° 31' 27" |
| RUSSELL | VCRSL | N45° 15' 27" W075° 22' 00" |
| THURSO | VCGUY | N45° 35' 55" W075° 14' 43" |

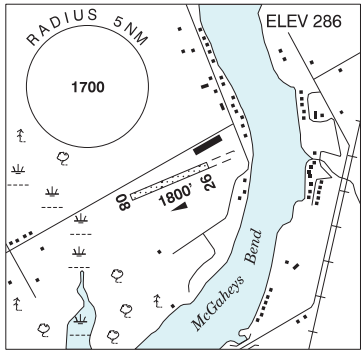
**VFR FLIGHTS IN OTTAWA MACDONALD-CARTIER CLASS C CZ AND TCA TERMINAL**

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.

## KARS / RIDEAU VALLEY AIR PARK ON CPL3




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