



Flight Plan & Site Survey

Created using **RPAS Wilco®**

Operation Name:

Quirke Mine

Pilot Name:

[REDACTED]

Pilot Certificate:

[REDACTED]

Flight Start:

March 24, 2023 2:02 PM

Flight End:

March 24, 2023 4:02 PM

Flight Area (Latitude):

46° 30' 40.38" N (46.511)

Flight Area (Longitude):

82° 38' 39.56" W (-82.644)

Altitude - Radius:

Alt: 600 ft - Rad: 926.0 m (0.5 nm)

Airspace:

UNCONTROLLED

FIR - Contact:

CZYZ - 905-676-4509

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://rpaswilco.com/#/tnc>

Included

Site Survey

Obstacles (if available)

Nearby Aerodromes

Canadian Aviation Regulations

GFA

Aerodrome Supplements

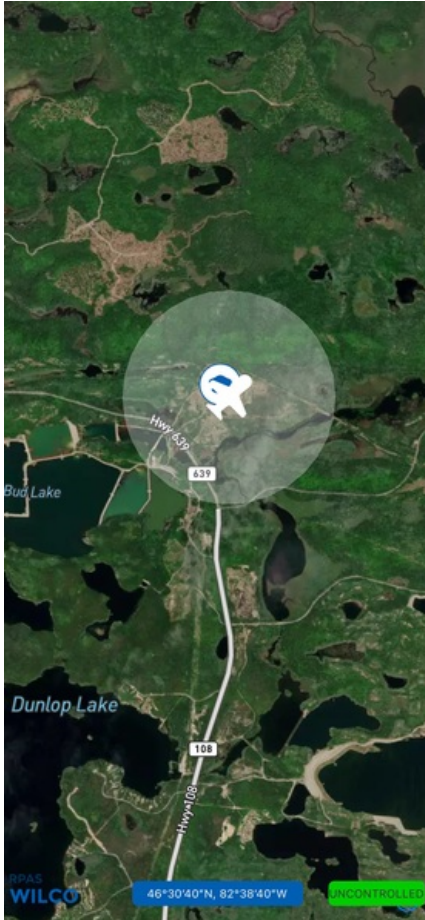
METAR & TAF (if available)

NOTAMS



CFS



Flight Map



MAP Details

| | Latitude | Longitude |
|--|---------------------------------|----------------------------------|
|  MODEL | 46° 30' 40.38" N (46.511) | 82° 38' 39.56" W (-82.644) |
|  Pilot | 46° 30' 43.98" N (46.5122) | 82° 38' 43.16" W (-82.6453) |



Airspace Classification



Overlying Airspaces

| Class | Name | Floor | Ceiling |
|-------|---|----------|----------|
| E | Southern Ontario Low Level Control Area CAE | 3500MSL | 12500MSL |
| B | Southern Ontario Low Level Control Area CAE | 12500MSL | 18000MSL |
| E | T688 Airway | 2200AGL | 12500MSL |
| B | T688 Airway | 12500MSL | 18000MSL |
| E | Elliot Lake Muni, ON TA | 700AGL | 12500MSL |
| B | Elliot Lake Muni, ON TA | 12500MSL | 18000MSL |

Nearest Aerodromes & Distance from Operation

| | | | | |
|---|-------------|--------------|-----------|----------|
| ELLIOT LAKE (CGB5 WATERDROME Reg) | Lat: 46.398 | Long: 82.671 | 12.754 KM | 6.89 NM |
| ELLIOT LAKE MUNICIPALITY (CYEL AERODROME Reg) | Lat: 46.351 | Long: 82.561 | 18.925 KM | 10.22 NM |
| ALGOMA MILLS (CPN6 WATERDROME Reg) | Lat: 46.188 | Long: 82.824 | 38.495 KM | 20.79 NM |
| AIRD ISLAND (CRD8 WATERDROME Reg) | Lat: 46.143 | Long: 82.414 | 44.6 KM | 24.08 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:

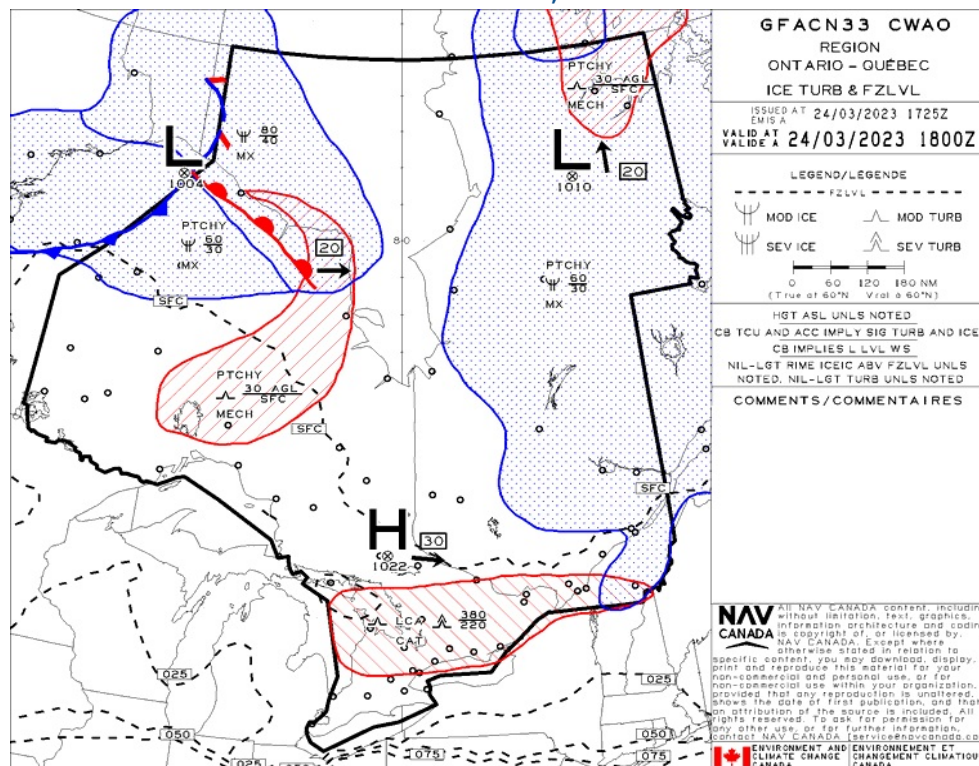
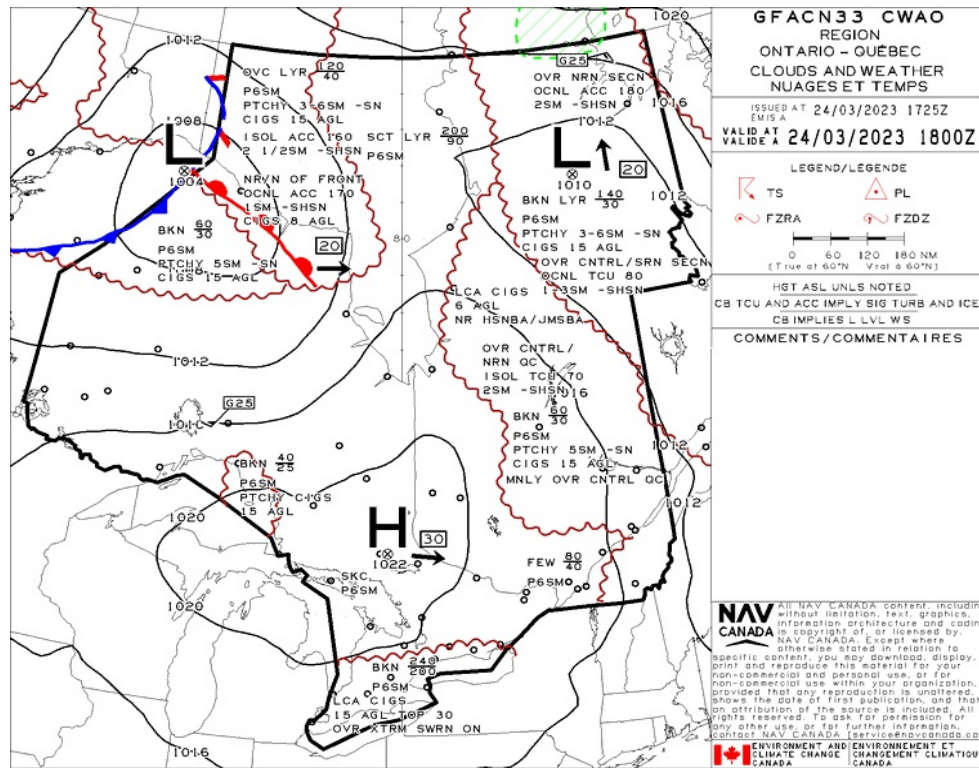
- **(a)** the boundaries of the area of operation;
- **(b)** the type of airspace and the applicable regulatory requirements;
- **(c)** the altitudes and routes to be used on the approach to and departure from the area of operation;
- **(d)** the proximity of manned aircraft operations;
- **(e)** the 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

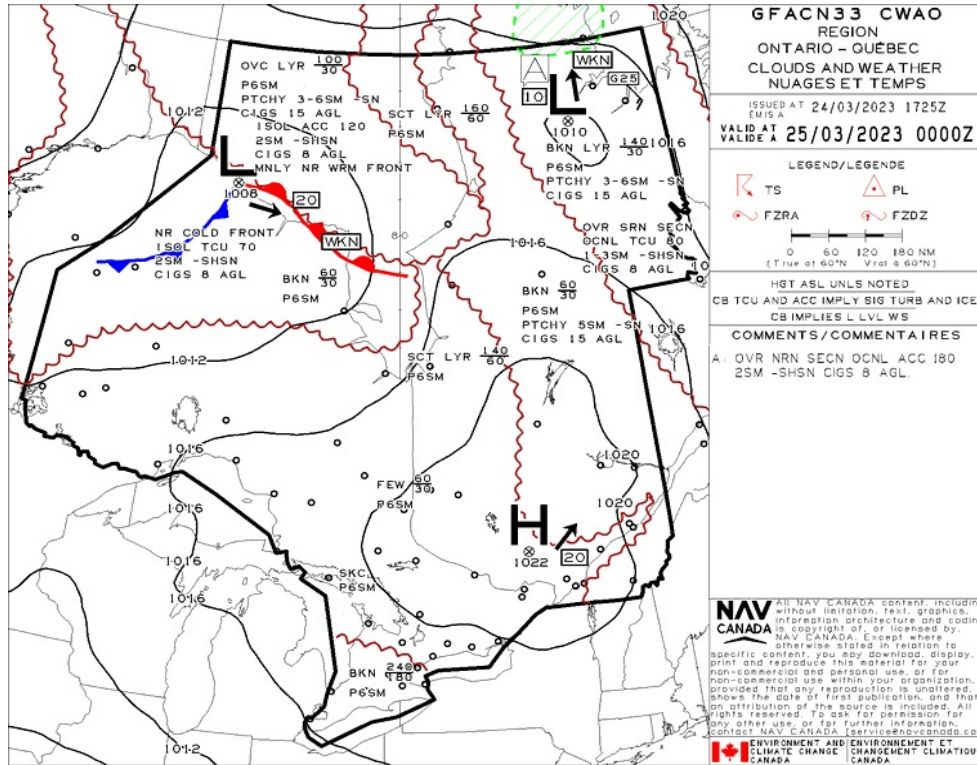
- **901.47 (1)** No pilot shall operate a remotely piloted aircraft at or near an aerodrome that is listed in the *Canada Flight Supplement* or the *Water Aerodrome Supplement* in a manner that could interfere with an aircraft operating in the established traffic pattern.
- **(2)** Subject to section 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

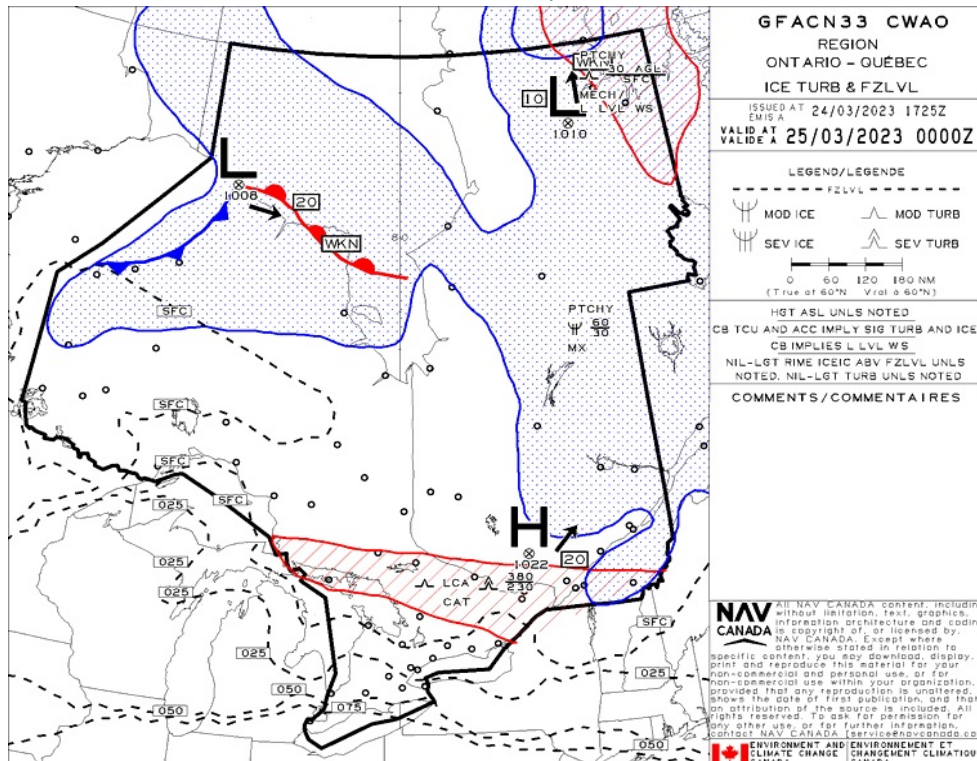
- **901.48 (1)** Every owner of a remotely piloted aircraft system shall keep the following records:
 - **(a)** a record containing the names of the pilots and other crew members who are involved in each flight and, in respect of the system, the time of each flight or series of flights and
 - **(b)** 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).



GFA Issue time + 06 hr - CLOUDS AND WEATHER

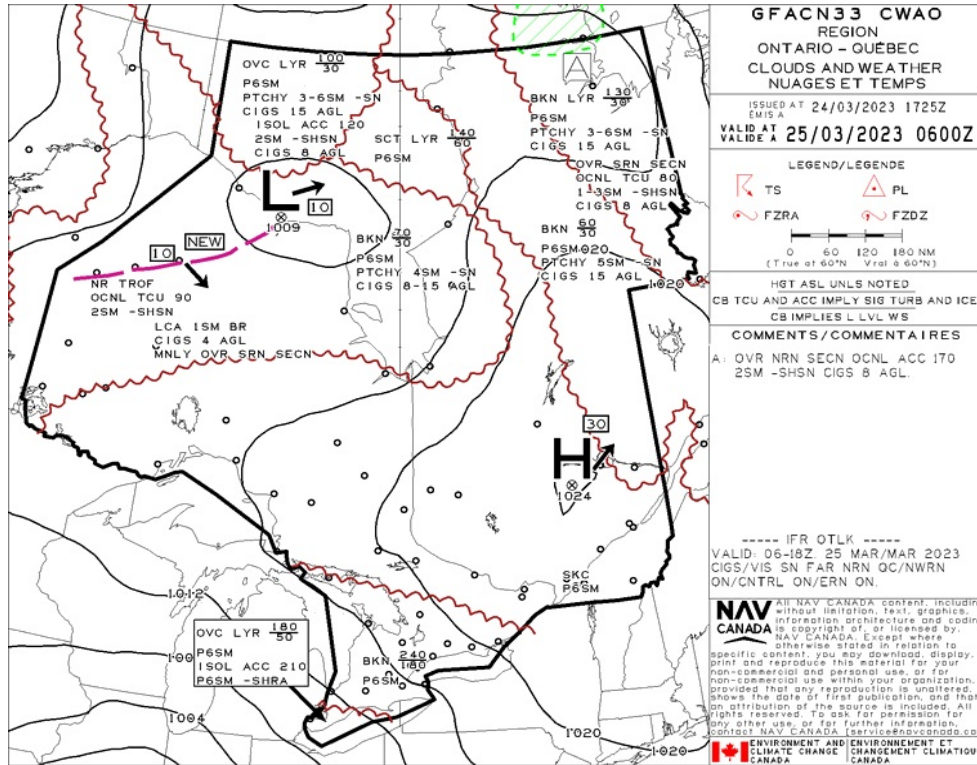


GFA Issue time + 06 hr - TURBULENCE, ICING AND FREEZING LEVEL

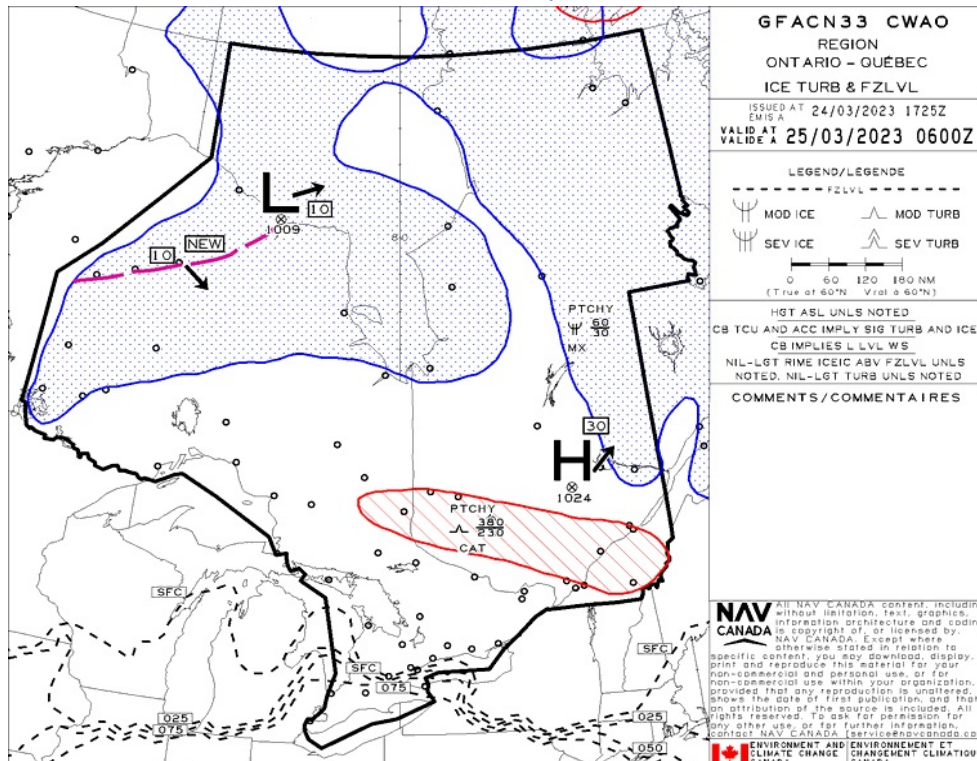




GFA Issue time + 12 hr - CLOUDS AND WEATHER



GFA Issue time + 12 hr - TURBULENCE, ICING AND FREEZING LEVEL





ELLIOT LAKE - CGB5 - Reg

NOTAM

(G0033/23 NOTAMR G2417/22
Q) CZXX/QOEC/IV/NB0/E/000/999/5518N09358W999
A) CZWG CZYZ B) 2301111838 C) 2304121800EST
E) A ACFT, REGARD ESS OF THE STATE OF REGISTRY, DIRECT Y OR
INDIRECT Y OWNED, CHARTERED, EASED, OPERATED OR OTHERWISE
CONTROLLED BY A PERSON CONNECTED WITH EITHER THE RUSSIAN
FEDERATION OR OF BE ARUS OR BY A CORPORATION OR ENTITY THAT IS
INCORPORATED OR FORMED UNDER THE LAWS OF THE RUSSIAN FEDERATION
OR BE ARUS, AND A OPERATORS HOLDING AN AIR OPERATOR CERTIFICATE
(AOC) ISSUED BY RUSSIAN FEDERATION AND/OR BE ARUSIAN AUTHORITIES
ARE PROHIBITED TO ENTER, EXIT OR OVERFLY CANADA'S TERRITORIA
AIRSPACE (INCLUDING F T WITHIN 12NM OF CANADA'S COASTS).
EXCEPTIONS PERMITTED FOR ACFT EXPERIENCING IMMEDIATE EMERG.

A AUTH OBTAINED PRIOR TO 27 FEB 2022 FOR ACFT AND OPS SUBJECT
TO THIS NOTAM ARE REVOKED.

HUMANITARIAN, SAR, MEDEVAC AND ANY OTHER F T SEEKING AN EXCEPTION
TO THIS RESTRICTION MUST RECEIVE AUTH GRANTED AFTER 27 FEB 2022
FM THE MINISTER OF TRANSPORT TO OPERATE IN CANADA'S TERRITORIA
AIRSPACE. AFFECTED ACFT WISHING TO OBTAIN SUCH AN AUTH OR CROSS
INTO CANADA'S TERRITORIA AIRSPACE MAY APPLY TO THE MINISTER OF
TRANSPORT AT 1-877-992-6853 OR 1-613-992-6853 OR BY EMAIL AT
OPERATIONS.AVIATION(AT)TC.GC.CA.)



ELLIOT LAKE MUNICIPALITY - CYEL - Reg

NOTAM

(G0033/23 NOTAMR G2417/22
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ALGOMA MILLS - CPN6 - Reg

NOTAM

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OPERATIONS.AVIATION(AT)TC.GC.CA.)



Flight Plan & Site Survey

AIRD ISLAND - CRD8 - Reg

NOTAM

(G0033/23 NOTAMR G2417/22
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OPERATIONS.AVIATION(AT)TC.GC.CA.)

CANADA WATER AERODROME SUPPLEMENT

Effective 0901Z 24 March 2022 to 0901Z 20 April 2023

AERODROME/FACILITY DIRECTORY B47

EDMONTON / COOKING LAKE AB (Cont'd)

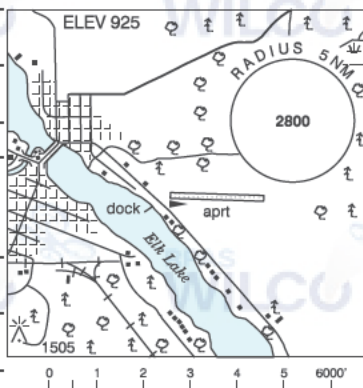
CEE7

| | |
|----------------|--|
| PRO | For VFR routes see Edmonton VTPC or as directed by ATC. |
| CAUTION | Shallow water throughout lake, mud bottom and rocks close to surface in areas. 7000 lb acft will drag dock or moorings in 20 mph wind. 20 mph wind causes water depth of 1ft. Mid lake rock shoals marked with obst buoys. Adj land aprt circuit tfc in immediate vic. Check NOTAM. A/D has been clsd most months due to low water levels. |

ELK LAKE ON

CNV5

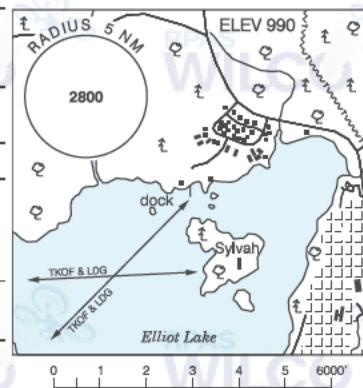
| | |
|-----------------|--|
| REF | N47 43 38 W80 19 23 Adj E 12°W UTC-5(4) Elev 925' A5001 A5009 |
| OPR | Karl Wettlaufer 905-691-4466 Reg PPR |
| PF | B-1 D-2,3,5 at adj land A/D |
| FLT PLN | FIC London 866-WXBRIEF (Toll free w/ in Canada) or 866-541-4104 (Toll free within Canada & USA) |
| SERVICES | S 5 |
| A/D DATA | Open water May-mid Nov. Depth 4', mooring. |
| COMM | ATF tfc 123.2 5NM 3900 ASL |
| CAUTION | Lgtd twr 1505 ASL 1.2NM SW. Adj land A/D. |



ELLIOT LAKE ON

CGB5

| | |
|-----------------|---|
| REF | N46 23 54 W82 40 17 1.1NW 9°W (2021) UTC-5(4) Elev 990' A5000 A5001 |
| OPR | Glassy Bay Outfitters 705-843-1531 Reg PPR |
| PF | C-2,3,4,5 |
| FLT PLN | FIC London 866-WXBRIEF (Toll free w/ in Canada) or 866-541-4104 (Toll free within Canada & USA) |
| SERVICES | S 1,2,3,4,5 |
| A/D DATA | Open water mid May-end Oct. Shallow area aprx 1' deep 20' fr centre dock, marked with buoy. |
| COMM | ATF tfc 123.0 5NM 4100 ASL |
| PRO | Right hand circuits for westbound and sou hbound tkofs & ldgs (CAR 602.96). |
| CAUTION | Unlgtd twr 1115 ASL (115 AGL) aprx 1NM E. Lgtd twr 1600 ASL (200 AGL) aprx 2NM N. Multiple twrs in town S of A/D. Public beach S side of lake. Boat launch E of dock. Elliot Lake Muni A/D aprx 5NM SE. |



ELMHIRST'S RESORT ON — See KEENE / ELMHIRST'S RESORT

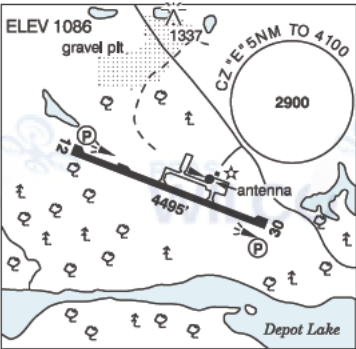
ONTARIO

AERODROME/FACILITY DIRECTORY

ELLIOT LAKE MUNI ON

CYEL

| | |
|----------|---|
| REF | N46 21 06 W82 33 40 4SE 9°W UTC-5(4) Elev 1086' A5001 A5000 LO4 CAP |
| OPR | City 705-461-7222 1230-2100Z± Mon-Fri exc hols O/T 705-261-2611 Reg |
| PF | B-1,6 C-2,3,4,5 |
| FLT PLN | <div>FICLondon 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA)</div> <div>WXWxCam</div> |
| SERVICES | 1230-2100Z± Mon-Fri exc hols. After hrs airside emerg phone on wall of ATB can be used. Call out chg after hrs. |
| FUEL | 100LL, JA-1 |
| OIL | 15W50, 20W50 |
| RWY DATA | Rwy 12(121°)/30(301°) 4495x100 asphalt Rwy 30 up 0.68% |
| RCR | Opr |
| LIGHTING | 12-(TE ME) P2, 30-(TE ME) P2 PAPI activated with ARCAL-123.0 type K After hrs call out chg applies. |
| COMM | |
| ATF | UNICOM ltd hrs see opr O/T tfc 123.0 5NM 4100 ASL |
| PAL | Toronto Ctr 135.4 |
| PRO | Rgt hand circuits Rwy 12 (CAR 602.96). |



CANADA WATER AERODROME SUPPLEMENT

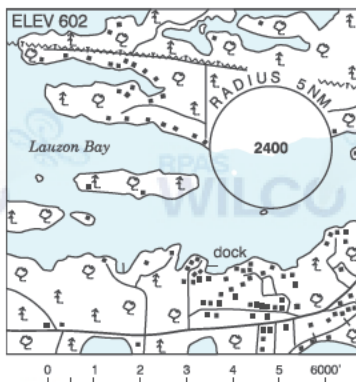
Effective 0901Z 24 March 2022 to 0901Z 20 April 2023

B2 AERODROME/FACILITY DIRECTORY

ALGOMA MILLS ON

CPN6

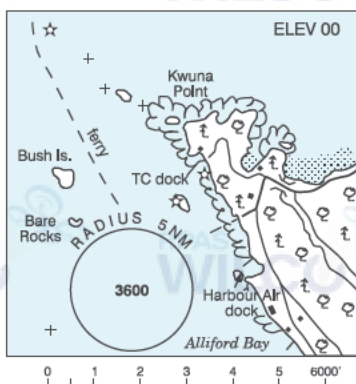
| | |
|-----------------|---|
| REF | N46 11 18 W82 49 28 Adj NW 9°W UTC-5(4) Elev 602' A5000 A5001 |
| OPR | Lauzon Aviation Co Ltd. 705-849-2389 Reg PPR |
| PF | B-1 C-2 D-3,4,5,6 |
| FLT PLN | FIC London 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA) |
| SERVICES | S 5 |
| A/D DATA | Open water May-Oct. Beach, ramp. |
| COMM | ATF tfc 122.8 5NM 3600 ASL |
| CAUTION | Pvt. Use at own risk. |



ALLIFORD BAY BC

CBE7

| | |
|----------------|---|
| REF | N53 12 54 W131 59 28 19°E (2013) UTC-8(7) Elev 00' A5013 |
| OPR | Oak Bay Marine Group 250-598-3366 Reg |
| PF | B-1 C-2,3,4,5,6 |
| FLT PLN | FIC Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA) |
| COMM | ATF tfc 123.2 5NM 3000 ASL See PRO section |
| PRO | Dock facilities for drop off only. Ctc Terrace rdo 122.3 prior to entry into Sandspit CZ. Special VFR tfc advsy procedures apply outside ATF zone, see Section C – Areas With Discrete Air-To-Air Frequencies. |
| CAUTION | Ferry tfc. |



CANADA WATER AERODROME SUPPLEMENT

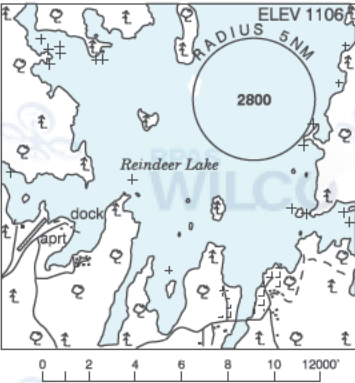
Effective 0901Z 24 March 2022 to 0901Z 20 April 2023

AERODROME/FACILITY DIRECTORY B219

SOUTHEND SK

CKP5

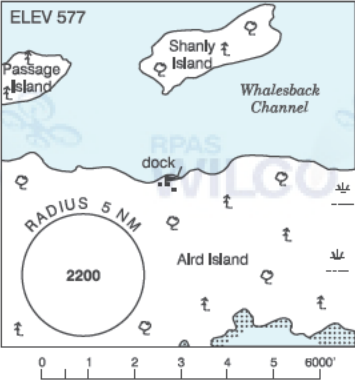
| | |
|----------|---|
| REF | N56 20 16 W103 17 02 2W 9°E (2012) UTC-6 Elev 1106' A5016 A5024 |
| OPR | Lawrence Bay Airways Ltd 306-758-2060 Jun 1-Sep 30 701-262-4560 Oct 1-May 31 Reg |
| PF | C-1,2,4 |
| FLT PLN | Edmonton 866-WXBRIEF (Toll free within Canada) or 866-541-4102 (Toll free within Canada & USA) |
| SERVICES | Avbl Jun 1-Sep 30 |
| FUEL | 100LL |
| S | 5 |
| A/D DATA | Open water mid May-mid Nov. Depth 10'. Rock & silt bottom. |
| COMM | |
| ATF | tfc 123.2 5NM 4200 ASL |
| CAUTION | Lgt twr 1475 ASL (170 AGL) 2.5NM W. Use caution when ldg at village, cable spans across channel. Adj land A/D. |



SPANISH / AIRD ISLAND ON

CRD8

| | |
|----------|--|
| REF | N46 08 35 W82 24 52 4.3SW 9°W (2022) UTC-5(4) Elev 577' A5000 A5001 |
| OPR | National Heritage Brands Inc 416-402-4800 Reg |
| FLT PLN | London 866-WXBRIEF (Toll free wi hin Canada) or 866-541-4104 (Toll free within Canada & USA) |
| A/D DATA | Open water April-Nov, depth 3-4'. Ski ops dur win months, no win maint. |
| DOCKS | Dock, sandy beach. |
| COMM | |
| ATF | tfc 122.8 5NM 3600 ASL |
| CAUTION | Rough water in W winds. |



SPARROW LAKE ON — See PORT STANTON / SPARROW LAKE

SPIRIT BAY ON — See LAKE MUSKOKA / SPIRIT BAY