



Flight Plan & Site Survey

Created using **RPAS Wilco**[®]

Operation Name:	Mission 01-18-2023
Pilot Name:	██████████
Pilot Certificate:	██████████
Flight Start:	January 18, 2023 4:31 PM
Flight End:	January 18, 2023 6:31 PM
Flight Area (Latitude):	49° 2' 20.40" N (49.039)
Flight Area (Longitude):	122° 29' 16.10" W (-122.488)
Altitude - Radius:	Alt: 700 ft - Rad: 740.8 m (0.4 nm)
Airspace:	CONTROLLED
FIR - Contact:	CZVR - 604-586-4500
Weather:	6.2 Celsius - Rain, Partially cloudy

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.

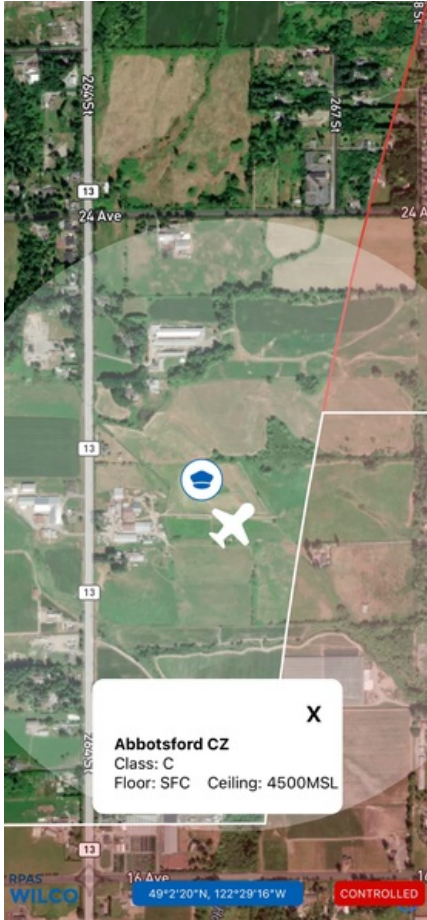
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<https://rpswilco.com/#/tnc>



Included

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

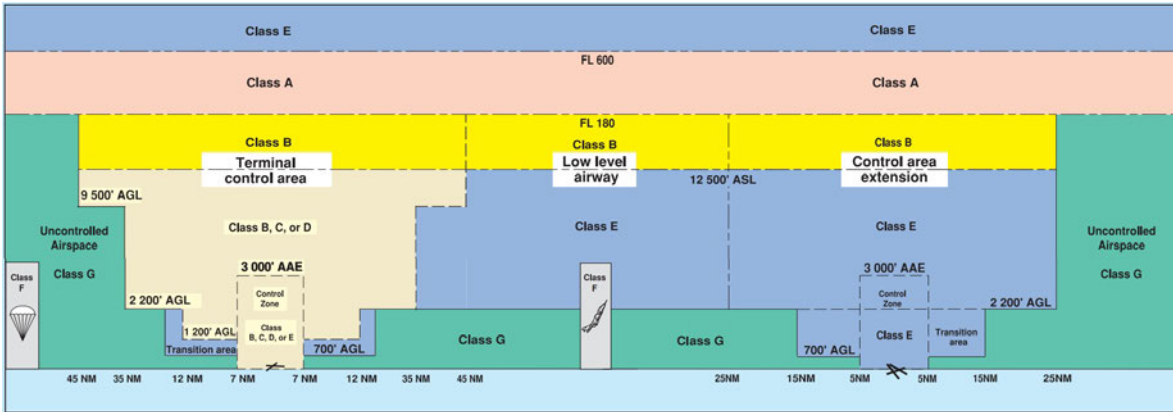
Flight Map



MAP Details

	Latitude	Longitude
 MODEL	49° 2' 20.40" N (49.039)	122° 29' 16.10" W (-122.488)
 Pilot	49° 2' 24.00" N (49.04)	122° 29' 19.70" W (-122.4888)

Airspace Classification



Overlying Airspaces

Class	Name	Floor	Ceiling
E	Pitt Meadows, BC CAE	2000MSL	12500MSL
B	Pitt Meadows, BC CAE	12500MSL	18000MSL
E	B22 Airway	2200AGL	12500MSL
B	B22 Airway	12500MSL	18000MSL
C	Abbotsford CZ	SFC	4500MSL
E	V342 Airway	2200AGL	12500MSL
B	V342 Airway	12500MSL	18000MSL
C	Vancouver, BC TCA	6500MSL	8500MSL
C	Vancouver, BC TCA	8500MSL	9500MSL
C	Vancouver, BC TCA	4500MSL	6500MSL
C	Vancouver, BC TCA	9500MSL	12500MSL
B	Vancouver, BC TCA	12500MSL	18000MSL
E	V349 Airway	2200AGL	12500MSL
B	V349 Airway	12500MSL	18000MSL
E	T629 Airway	2200AGL	12500MSL
B	T629 Airway	12500MSL	18000MSL

Nearest Aerodromes & Distance from Operation

ABBOTSFORD (CYXX AERODROME/HELIPORT Cert)	Lat: 49.025	Long: 122.36	9.447 KM	5.1 NM
LANGLEY REGIONAL (CYNJ AERODROME/HELIPORT Cert)	Lat: 49.101	Long: 122.631	12.504 KM	6.75 NM
FORT LANGLEY (CBQ2 AERODROME Reg)	Lat: 49.168	Long: 122.557	15.203 KM	8.21 NM

Weather Information for Mission Day

Summary: Partly cloudy throughout the day with a chance of rain throughout the day.

Condition	Temperature	Feels Like	Precipitation	Visibility	Cloud Coverage	Wind Speed	Humidity
Rain, Partially cloudy	6.2 Celsius	4.1 Celsius	100.0 %	15.8 Km	86.7 %	36.0 kph	85.7 %

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).

BRITISH COLUMBIA

AERODROME / FACILITY DIRECTORY

ABBOTSFORD BC (Cont'd)

CYXX

RWY DATA	Rwy 07(069°)/25(249°) 9597x200 ASPH Thld 25 displ 295'. Rwy 01(009°)/19(189°) 5328x200 ASPH
RWY CERT	Rwy 07 RVR 1200(1/4sm)/Rwy 25 RVR 1200(1/4sm) AGN V Rwy 01/19 AGN IIIB
TWY CERT	Twy: B, G AGN II Twy D AGN IV
TWY	Twy D uncontrolled E of blast fence. Twy B rstd to acft with wingspans 78' or less. Reverse turns to exit Rwy 07 onto Twy C4 rstd to acft with wingspans 50' or less. Turns onto Twy A from Twy C rstd to acft with wingspans 171' or less. Turns from Twy A onto Twy C rstd to C-130 & smaller (blast issue). Turns west onto Twy C4 and east onto Twy C1 from Twy C rstd to acft with wingspans 133' or less. Twy G uncontrolled.
APRON	Ltd prkg and de-icing dur win ops, all wide body acft 2hr PN ctc ops 604-864-5544. Corporate itinerant prkg ctc Shell Aerocentre.
RCR	Opr Ltd win maint 1400-0730Z†, O/T 2 hrs PN call out chg. PPR dur win maint exc sked ops, altn or emerg. CRFI, PLR/PCN.
LIGHTING	01-AS(TE ME) P2, 19-AS(TE ME) P2, 07-AN(TE HI), 25-AO(TE HI) P3
COMM	
RCO	Cranbrook rdo 119.4 (RAAS) 07-15Z† Pacific rdo 122.5 (FISE) 126.7 (bcst)
ATIS	119.8 1-877-517-2847 15-07Z†
GND	121.8 15-07Z†
TWR	119.4 (inner) 121.0 (outer) 295.0 (V) 15-07Z† (emerg only 604-855-1199)
MF	MF and advsy svcs only provided over Canadian territory. Cranbrook rdo 119.4 295.0 07-15Z† CZ shape irregular 4500 ASL (CAR 602.98) (emerg only 250-426-6312)
PAL	Victoria Tml 132.7 (avail on gnd)
NAV	
NDB	XX 344 (M) N49 00 55 W122 29 17 WHITE ROCK WC 332 (L) N49 00 12 W122 45 01
ILS	IXX 109.7 (Rwy 07) RVR LOC reliable only within 10° either side of centreline.

BRITISH COLUMBIA

AERODROME / FACILITY DIRECTORY

ABBOTSFORD BC (Cont'd)

CYXX

PRO	<p>Rgt hand circuit Rwys 07 & 01 (CAR 602.96). Rwy 01/19, Twy B, C, C1 and C4 not avbl for acft taxiing when visibility below 1/2sm (CAR 602 96)</p> <p>NIGHT RESTRICTIONS: Turbo-jet, turbo-fan and turbo-prop tng not permitted fr 06-15Z±. All other night tng as authorized by the APM.</p> <p>Procedures for crossing the southern Strait of Georgia within Tml Class C airspace refer to Vancouver Intl, VTPC for Crossing the Southern Strait of Georgia.</p> <p>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.</p> <p>ATS REQUIREMENTS: All VFR acft arriving, departing or transiting the Vancouver or Victoria Tower Class C or D airspace require a transponder code.</p> <ul style="list-style-type: none"> - All acft departing Vancouver or Victoria Intl (including Water Aerodrome) call Kamloops FIC at 866-541-4101 or PAC RDO 122.5 for code assignment at least 30 min prior to flight or file a VFR Flight Plan/Flight Itinerary. - All acft arriving Vancouver Intl (including Water Aerodrome) or transiting Vancouver or Victoria Control Zones obtain a code from one of the following ATS units: Vancouver Harbour, Nanaimo, Victoria Harbour, Boundary Bay, Langley, Abbotsford or Pitt Meadows, or call Kamloops FIC at 866-541-4101 or PAC RDO 122.5. - All acft arriving Victoria Intl from a non NAV CANADA site call Kamloops FIC at 866-541-4101 or PAC RDO 122.5 for code assignment at least 30 minutes prior to flight or file a VFR Flight Plan/ Flight Itinerary. <p>VFR ARR/DEP ROUTES: See VTPC</p>
HELI	<p>When assigned, follow heli routes as depicted on the Heli VTPC.</p> <p>East and McCallum Routes: not above 700 ASL between airport and McCallum Rd. Dep/arr S & SW as cleared by ATC.</p> <p>Heli tng areas day use only. Infield heli tng area, remain at least 400' east of Rwy 01/19 and 400' N of Twy C, 700 ASL & below, etc ATC for heli circuit procedures.</p>
CAUTION	<p>Numerous obsts in heli tng areas. Parachute area aprx 5NM NNE of aprt. Tall vehicles on road S Thld 01; Ngt ops must use PAPI.</p>

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

LANGLEY REGIONAL BC (Cont'd)

CYNJ

HELI DATA	<p>B - FATO 110' dia ASPH TLOF 28' dia ASPH Safety Area 143' dia Max heli length 58' (exc with opr appr) 20,500 lbs. Medevac fit only 06-15Z\ddagger. C - FATO/TLOF 85' dia ASPH Safety Area 110' dia Max heli overall length 59' (exc with ops appr). 20,500lbs. Day only. Parking Pad 1: 31' dia CONC 3600 lbs For temporary prkg and refueling only (100LL only). Parking Pads 2-4: 31' dia CONC 3600 lbs Private. Parking Pads 5 & 6: 66' dia ASPH 14,000lbs Max heli overall length 55'</p>
LIGHTING	<p>01-(TE ME) P1 4.5°, 19-(TE ME) AP 4.0° Lgts on automatic timer single setting after twr hrs to 07Z\ddagger. FATO-B: RW no aiming pt (LO) ARCAL-119.0 type J (FATO-B use ONLY, No ARCAL on rwy)</p>
COMM	<p>ATIS 124.5 1-877-517-2847 1630-0230Z (DT 1530-0330Z) GND 121.9 1630-0230Z (DT 1530-0330Z) TWR 119.0 (V) 1630-0230Z (DT 1530-0330Z) (emerg only 604-534-9443) MF ttc 119.0 0230-1630Z (DT 0330-1530Z) 3NM 1900 ASL (CAR 602.98)</p>
NAV	<p>VOR PITT MEADOWS YPK 112.4 N49 12 57 W122 42 54 (44')</p>
PRO	<p>No circuits on any rwy from 2130-0800 local time.</p> <p>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.</p> <p>ALL DEPARTURES: Ctc 121.9 after run-up or prior to entering twy with TYPE / IDENT / POSITION / INTENTIONS / RUN UP COMPLETE</p> <p>RWY 19 DEPARTURES: Best rate of climb. Climb rwy hdg til S of Fraser Hwy. Turn left track aprx 160° to follow green belt. Make crosswind turn S of 44th Ave over Langley Golf Centre. Make turn to downwind E of 224th St towards Tall Timbers Golf Course. Follow VTPC FIXED WING CIRCUITS RWY 19. Avoid flt over built up areas on crosswind and downwind legs. Circuit altitude 1000 ASL.</p> <p>RWY 25 DEPARTURES: Rgt hand circuits (CAR 602.96). Best rate of climb. Rwy 07/25 shall not be used when twr is clsd.</p> <p>VFR ARR/DEP ROUTES: See FIXED WING ARR/DEP VTPC</p> <p>ATS REQUIREMENTS: All VFR acft arriving, departing or transiting the Vancouver or Victoria Tower Class C or D airspace require a transponder code. - All acft departing Vancouver or Victoria Intl (including Water Aerodrome) call Kamloops FIC at 866-541-4101 or PAC RDO 122.5 or 123.15 for code assignment at least 30 min prior to flight or file a VFR Flight Plan/Flight Itinerary. - All acft arriving Vancouver, Victoria Intl (including Water Aerodrome) or transiting Vancouver or Victoria Control Zones obtain a code from one of the following ATS units: Vancouver Harbour, Nanaimo, Victoria Harbour, Boundary Bay, Langley, Abbotsford or Pitt Meadows or call Kamloops FIC at 866-541-4101 or PAC RDO 122.5 or 123.15. - All acft arriving Victoria Intl from a non NAV CANADA site call Kamloops FIC at 866-541-4101 or PAC RDO 122.5 or 123.15 for code assignment at least 30 minutes prior to flight or file a VFR Flight Plan/ Flight Itinerary.</p>

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

LANGLEY REGIONAL BC (Cont'd)

CYNJ

HELI	<p>Day: East route dep expedite climb to 600 ASL prior to 232nd street. East of 232nd street commence climb to 1000 ASL. East route arr maintain 1000 ASL descend to 600 ASL prior to 232nd street. South East route dep expedite climb to 1000 ASL prior to 216th street. South East route arr maintain 1000 ASL to 216th street. North route dep expedite climb to 600 ASL prior to Milner. North of Milner commence climb to 1000 ASL. North route arr maintain 1000 ASL descend to 600 ASL prior to Milner.</p> <p>Night: North route arr/dep overfly Rwy 01 min alt 1000 at Milner.</p> <p>West route arr/dep overfly Fraser hwy min alt 1000 ASL at bypass. Medium to hvy heli are only permitted to gnd taxi on Apron III. Hover taxiing on Apron III proh unless coordinated with APM.</p> <p>All Heli must ctc GND 121.9 for transponder code and routing info.</p>
CAUTION	<p>Trees to 100 AGL 250' SE pad B, 250' W Thld 07, and S of Fraser hwy. Only pilots familiar with airport should use airport dur hrs of darkness. Use caution when taxiing on Apron I & II due to min wing-tip clearance and frequent heli ops. Frequent heli arr/dep on Aprons I & II. ATC ctc not rqrd for vehicle and fixed-wing movement on aprons. Heli aiming point at eastern end of Apron III. Ocsl wildlife.</p>

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

FORT LANGLEY BC

CBQ2

REF	N49 10 04 W122 33 27 Adj 17°E (2014) UTC-8(7) Elev 33' VTA A5004	
OPR	Fort Langley Avn 604-888-1922 PPR Reg	
PF	A-1 C-2,3,4,5 D-6	
FLT PLN		
FIC	Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA)	
SERVICES		
FUEL	100LL, JA	
S	1,4,5	
RWY DATA	Rwy 08(082°)/26(262°) 5510X60 ASPH	
RCR	Opr 604-888-1922 Ltd win maint	
COMM		
ATF	tfc 122.725 2NM 1500 ASL	
NAV		
VOR	PITT MEADOWS YPK 112.4 N49 12 57 W122 42 54 (44')	
PRO	Rgt hand circuits Rwy 26 (CAR 602.96). Circuit hgt 1000 ASL. No training flights. Avoid overflight of community to W. Procedures for crossing the southern Strait of Georgia within Tml Class C airspace refer to Vancouver Intl, VTPC for Crossing the Southern Strait of Georgia.	
CAUTION	Trees to 80 AGL along N side	