



Flight Plan & Site Survey

Created using **RPAS Wilco**[®]

Operation Name:	Mission 01-21-2023
Pilot Name:	[REDACTED]
Pilot Certificate:	[REDACTED]
Flight Start:	January 21, 2023 7:11 PM
Flight End:	January 21, 2023 9:11 PM
Flight Area (Latitude):	49° 8' 21.70" N (49.139)
Flight Area (Longitude):	123° 11' 17.90" W (-123.188)
Altitude - Radius:	Alt: 600 ft - Rad: 370.4 m (0.2 nm)
Airspace:	CONTROLLED
FIR - Contact:	CZVR - 604-586-4500
Weather:	4.5 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.

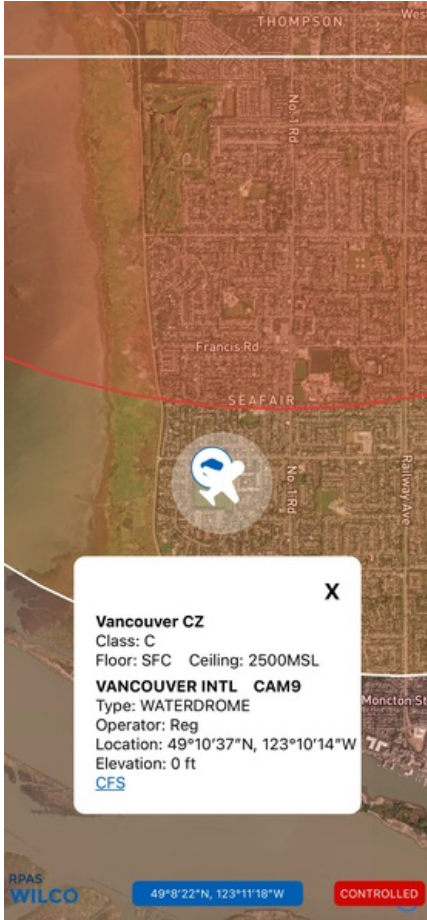
For the complete Terms & Conditions, see

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



Included

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

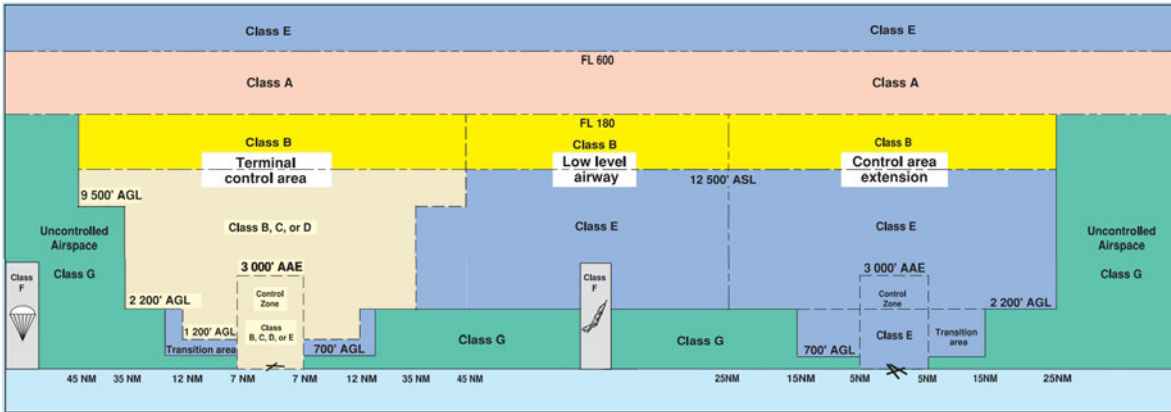
Flight Map



MAP Details

	Latitude	Longitude
 MODEL	49° 8' 21.70" N (49.139)	123° 11' 17.90" W (-123.188)
 Pilot	49° 8' 25.30" N (49.1404)	123° 11' 21.50" W (-123.1893)

Airspace Classification



Overlying Airspaces

Class	Name	Floor	Ceiling
C	Vancouver CZ	SFC	2500MSL
E	B20 Airway	2200AGL	12500MSL
B	B20 Airway	12500MSL	18000MSL
E	V23 Airway	2200AGL	12500MSL
B	V23 Airway	12500MSL	18000MSL
E	V300 Airway	2200AGL	12500MSL
B	V300 Airway	12500MSL	18000MSL
E	V342 Airway	2200AGL	12500MSL
B	V342 Airway	12500MSL	18000MSL
E	T775 Airway	2200AGL	12500MSL
B	T775 Airway	12500MSL	18000MSL
E	V304 Airway	2200AGL	12500MSL
B	V304 Airway	12500MSL	18000MSL
E	V317 Airway	2200AGL	12500MSL
B	V317 Airway	12500MSL	18000MSL
E	V330 Airway	2200AGL	12500MSL
B	V330 Airway	12500MSL	18000MSL
E	V347 Airway	2200AGL	12500MSL
B	V347 Airway	12500MSL	18000MSL
E	T611 Airway	2200AGL	12500MSL
B	T611 Airway	12500MSL	18000MSL
C	Vancouver, BC TCA	2500MSL	4500MSL
C	Vancouver, BC TCA	4500MSL	6500MSL
C	Vancouver, BC TCA	6500MSL	8500MSL
C	Vancouver, BC TCA	8500MSL	9500MSL
C	Vancouver, BC TCA	9500MSL	12500MSL
B	Vancouver, BC TCA	12500MSL	18000MSL
E	T618 Airway	2200AGL	12500MSL
B	T618 Airway	12500MSL	18000MSL

Nearest Aerodromes & Distance from Operation

VANCOUVER INTL (CAM9	WATERDROME	Reg)	Lat: 49.177	Long: 123.171	4.37 KM	2.36 NM
VANCOUVER INTL (CYVR	AERODROME/HELIPORT	Cert)	Lat: 49.194	Long: 123.183	6.088 KM	3.29 NM
DELTA HERITAGE AIR PARK (CAK3	AERODROME	Reg)	Lat: 49.079	Long: 122.938	19.417 KM	10.48 NM

Weather Information for Mission Day

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

Condition	Temperature	Feels Like	Precipitation	Visibility	Cloud Coverage	Wind Speed	Humidity
Rain, Partially cloudy	4.5 Celsius	1.6 Celsius	81.0 %	18.5 Km	69.3 %	27.4 kph	83.6 %

CANADA WATER AERODROME SUPPLEMENT

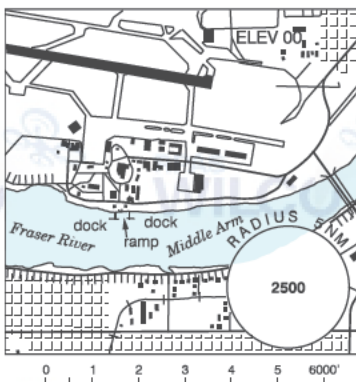
Effective 0901Z 24 March 2022 to 0901Z 20 April 2023

AERODROME/FACILITY DIRECTORY B251

VANCOUVER INTL BC

CAM9

REF	N49 10 37 W123 10 15 Adj SW 17°E (2013) UTC-8(7) Elev 00' VTA A5004 T1
OPR	Vancouver Intl Aprt Authority 604-207-7022; Seair Seaplanes 604-273-8900 or 1-800-447-3245 Reg
PF	B-1,2,3,6 C-4,5
CUST	AOE/15 888-226-7277 Daylight hrs only
FLT PLN	<p>FIC Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA)</p> <p>ACC IFR 604-586-4590/4591or 800-668-1333; IFR tng flts PPR ctc 604-586-4592 (collect calls accepted)</p>
SERVICES	Fuel & beaching 604-273-8900 or 129.30 daylight hrs.
FUEL	100LL, JA
OIL	All
S	3,4,5
A/D DATA	Fraser River 066°-246°. Middle Arm 099°-279°. Tidal range 14', shallow water close to shores. Docks, ramp. Open water all year.
COMM	<p>RCO Pacific rdo 123.15 (FISE)</p> <p>ATIS 124.6 restrictions are bcst on ATIS 1-877-517-2847</p> <p>CLNC DEL 121.4 All dep acft ctc clnc del</p> <p>TWR 118.7 (South) 119.55 (North) VFR 124.02 125.65 226.5 236.6 (E) (emerg 604-775-9531)</p> <p>TML 125.2</p>
NAV	<p>NDB VR 266 (MZ) N49 10 22 W123 03 26</p> <p>VOR/DME YVR 115.9 Ch 106 N49 04 38 W123 08 57 (37')</p>



CANADA WATER AERODROME SUPPLEMENT

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

B252 AERODROME/FACILITY DIRECTORY

VANCOUVER INTL BC (Cont'd)

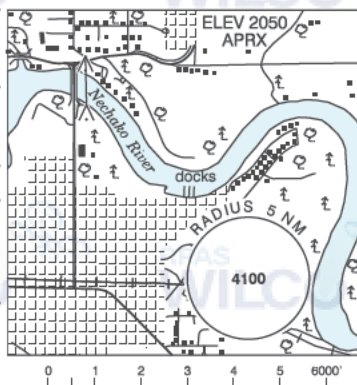
CAM9

PRO	<p>AIRSPACE: See VTA chart for VFR rtes & pro. Procedures for crossing the southern Strait of Georgia within Tml Class C airspace refer to VTPC. Transponder mode C rqr'd in class C airspace and CZ. CARS Part VII operators must ensure routes flown at night meet minimum altitude requirements for commercial operations.</p> <p>ARR/DEP: See Vancouver Intl CAM9 VTPC. Downwind flt alt not below 500' ASL over populated area to the S. Dep rstd til 0630 hr lcl O/T PPR from YVR Ops 604-207-7022.</p> <p>NOISE ABATEMENT: Consistent with safe acft ops, the following are recommended operational proc: 1. Tkof Westbound and ldg Eastbound are preferred when wind and water conds permit. 2. Use low RPM reduced noise tkof when able. 3. Avoid dep rte that fly over the City of Richmond, whenever possible. 4. Avoid using "reverse thrust" after ldg to slow the acft. 5. Maintain 500 ASL when flying the Westminster Hwy downwind rte.</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 depar ing Vancouver or Victoria Intl (including Water Aerodrome) call Kamloops FIC at 866-992-7433 (866-WXBRIEF) or 866-541-4101 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, Pacific Radio 123.15, or call Kamloops FIC at 866-992-7433 (866-WXBRIEF) or 866-541-4101.</p>
CAUTION	Low lvi overflights of heli arr/dep adj land A/D. Rough water associated with strong E or W winds (1-3' swells). Debris in river. Twr cranes S side of Fraser River adj Olympic Oval.

VANDERHOOF WATER BC

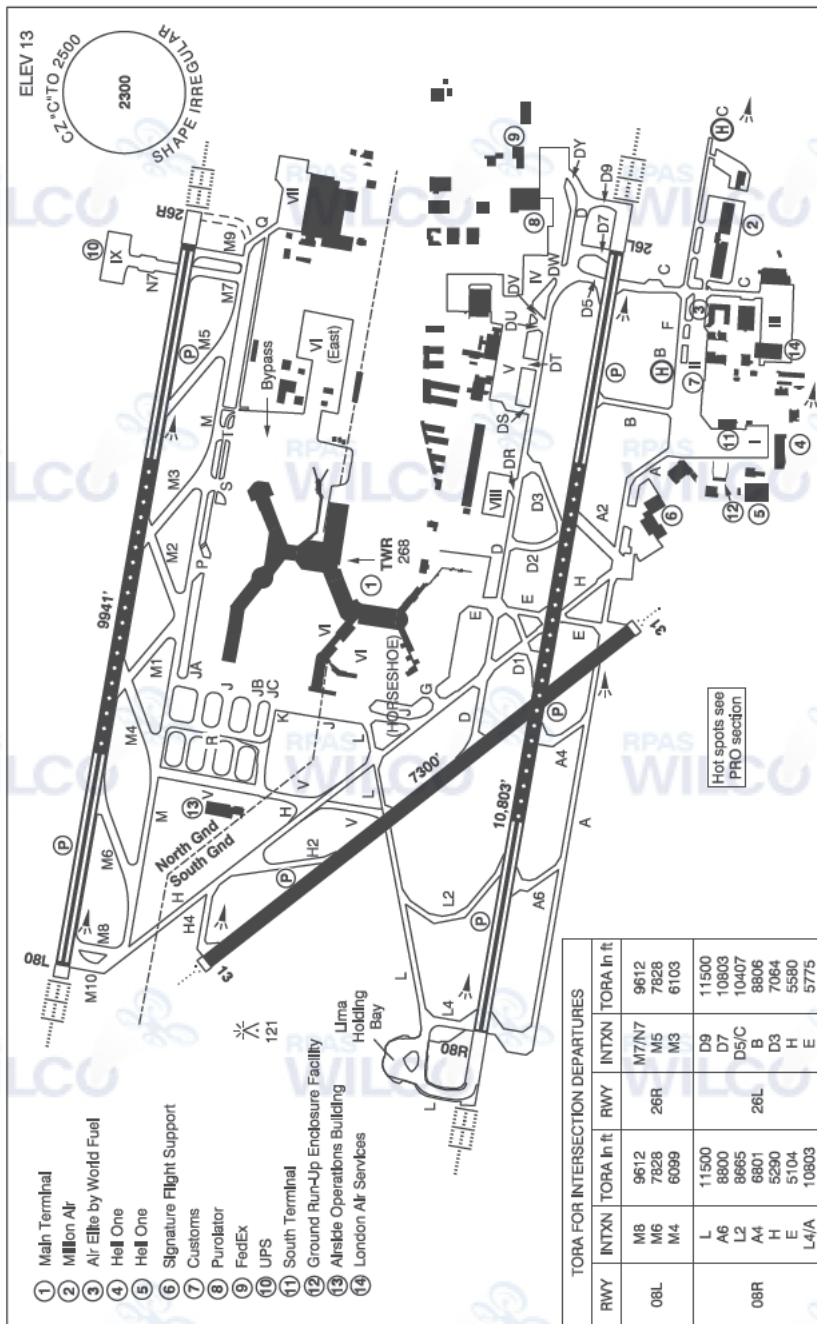
CVH3

REF	N54 01 13 W123 59 53 Adj NE 17°E° (2019) UTC-8(7) Elev 2050' aprx A5014
OPR	Vanderhoof Airport Development Society 250-567-4805/8724 or 250-614-3569 Reg
PF	C-1,2,3,4,5 D-6
FLT PLN	
FIC	Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA)
SERVICES	
FUEL	100LL (at land A/D), MG-1, MG-4 not avbl on site.
PVT ADV	Guardian Aerospace 250-567-2655 15-24Z± O/T 250-570-2670/2671 PN for float planes.
A/D DATA	Open water May 1 to Oct 30. Mud & gravel bottom.
DOCKS	3 docks on private land. Dock space not assured.



VANCOUVER INTL BC

CYVR



- ① Main Terminal
- ② Millon Air
- ③ Air Elite by World Fuel
- ④ Hell One
- ⑤ Signature Flight Support
- ⑥ Customs
- ⑦ Purolator
- ⑧ FedEx
- ⑨ UPS
- ⑩ South Terminal
- ⑪ Ground Run-Up Enclosure Facility
- ⑫ Airside Operations Building
- ⑬ London Air Services

Hot spots see PRO section

TORA FOR INTERSECTION DEPARTURES					
RWY	INTXN	TORA In ft	RWY	INTXN	TORA In ft
08L	M8	9612	M7/N7	M5	9612
	M4	7828	M3	M3	6103
	L	11500	D9	D9	11500
08R	A6	8900	D7	D7	10803
	L2	8665	D5/C	B	10407
	A4	6901	D3	H	8806
	H	5290	D3	H	7064
	E	5104	E	E	5580
L4/A	10803	E	E	5775	

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

VANCOUVER INTL BC (Cont'd)

CYVR

REF	N49 11 41 W123 10 57 Adj SW 17°E (2015) UTC-8(7) Elev 13' VTA A5004 LO2 HI3 T1 CAP OC
OPR	Vancouver International Airport Authority 604-207-7022 H24 Cert Ldg fees
PF	Main tml bldg A-1,2,3,4,5,6; South side tml bldg A-1,2,3,6 B-5
CUST	AOE/25 888-226-7277
FLT PLN	
FIG	Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA)
ACC	IFR 604-586-4590/4591 or 800-668-1333; IFR tng flts PPR ctc 604-586-4592 (collect calls accepted)
WX	METAR H24. TAF H24, issue times: 00, 03, 06, 09, 12, 15, 18, 21Z. WxCam
DUAT	Esso Avitat, Landmark (Shell Aerocentre)
SERVICES	
FUEL	100LL, JA (FSII avbl), JA-1 (FSII avbl), HPR
OIL	All
S	1,2,3
ARFF	DESIGNATED CAT 10
SUP FL	LHOX D & A-ice
JASU	CE16, Air Start
PVT ADV	Air Elite by World Fuel 122 85 604-270-2222; Million Air 122.95 604-273-6688; Signature Flight Support 123.0 604-279-9922; Seair Seaplanes 122.85 1-800-447-3245 604-273-8900 at adj water A/D.
MIL CON	Signature Flight Support 604-279-9922
RWY DATA	Rwy 08R(083°)/26L(263°) 10803x200 ASPH/CONC Rwy 08L(083°)/26R(263°) 9941x200 CONC Rwy 08L first 2027' down 0.3% Rwy 13(125°)/31(305°) 7300x200 ASPH/CONC RESA: 08R/26L 984'; 08L 984'; 26R 492'
RWY CERT	Rwy 08R RVR 600/Rwy 26L RVR 600 AGN VI Rwy 08L RVR 600/Rwy 26R RVR 600 AGN VI Rwy 13/31 AGN V
TWY	WIDE BODY AIRCRAFT: A380*/B747-8/AN124 AVAILABLE TAXIWAYS: D, D3, D5, D7, D9, DT, H (north of Rwy 08R/26L), J (north of parking position W2), JA, K (west of R), L (west of 13/31), M, M5, M6, M7, M9, M10, P, R & V. Discretionary oversteer is required at every intersection. *A380: When A380 is on Twy M between Twy J and Twy T, the Taxilane between Gate 66 & Twy T is restricted to B757 & smaller (& vice versa). A340-600/B777-300/A350-900/A350-1000/B787-10 AVAILABLE TAXIWAYS: D, D3, D5, D7, D9, DT, DY, E (south of Rwy 08R/26L), H (nor h of Rwy 08R/26L), J, JA, JB, JC, K, L (west of J), M, M4, M5, M6, M7, M8, M9, M10, P, T, R & V. Discretionary oversteer is required at every intersection. 08L ARRIVALS: Consistent with safe operating procedures, plan landing with idle reverse thrust/pitch. 08R ARRIVALS: Acft exiting onto D1, turn north on E. Do not stop in rwy area. 26R ARRIVALS: Consistent with safe operating procedures, plan landing with idle reverse thrust/pitch. 26L ARRIVALS: Turns onto Rwy 31 NOT AUTHORIZED without clearance. Acft exiting onto H, hold short of D. Do not stop in rwy area. 13 DEPARTURES: Not authorized for A340-600/B777-300/A350-900/A350-1000/B787-10 & larger. 31 ARRIVALS: Not authorized for A340-600/B777-300/A350-900/A350-1000/B787-10 & larger.

BRITISH COLUMBIA

AERODROME / FACILITY DIRECTORY

VANCOUVER INTL BC (Cont'd)

CYVR

RWY DATA (cont'd)	<p>Uncontrolled twys: C (south of F), F, J (btwn L & K), Q, DR, DS, DT, DU, DV & DW. Uncontrolled vehicle crossings: DS, DT, DU, DV, DY, F, H (north of H4), J, JA, JB, JC, K, N7, P, Q, R, S, T, V.</p> <p>A (east of E): Rstd to B767/A310 & smaller. A2: Rstd to Lear 60/DH8-300 & smaller. B: Rstd to B767/A310 & smaller. C (south of F): Rstd to B737/A321 & smaller. C (north of F): Rstd to B767/A310 & smaller. D: Acft cannot safely taxi via Twy D East or West past acft at the Twy D5 or Twy D7 hold lines. D (eastbound): No left turns onto H by A321/B737-900 & larger. D (wes bound): No left turns onto H. Right hand turns onto Twy DR - discretionary oversteer required. D2: Rstd to CRJ-900 & smaller. D7: No RH turns onto D. DR & DS: Rstd to B767/A310 & smaller. DW: Rstd to B757/A321 & smaller. E (north of D): Rstd to A330/B787-10 and smaller. F (west of C): Rstd to B767/A310 & smaller. F (east of C): Rstd to CRJ-900 & smaller. G: Rstd to A310/B767 & smaller. H (southbound): No right turns onto A, L, or H4, no right turns onto D by B737-900/A321 & larger. No left turns onto D1. H (northbound): No left turns onto V. No right turns onto D. No right turns onto L for B767/A310 & larger. H (south of Rwy 08R/26L): Rstd to B767/A310 & smaller. H2: Avbl to B767, A310 & smaller. J (southbound): Turns onto L rstd to B767/A310 & smaller (see DE-ICING GENERAL, NOTES). Rstd to B747-400 & smaller south of parking position W2. J (nor hbound): No left turns onto K by acft B767/A310 & larger. Rstd to B747-400 & smaller sou h of parking position W2. L: Entry & exit at Apron VI rstd to B737/A321 & smaller. No right turns onto V. M1-M6 (rapid exit): Design speed in wet conditions is 50 kt (95 km/h). M3: Not avbl to A340-600/B777-300/A350-900/A350-1000/B787-10 & larger. M4: No left or right turns onto M for A340-600/B777-300/A350-900/A350-1000/B787-10 & larger. M9, M11: Clsd. P: Right turn onto M rstd to B767/A310 & smaller. S: Rstd to B767/A310 & smaller. V: No left turns onto L.</p>
APRON	<p>PPR YVR Ops for all engine airstarts or crossbleed starts on aprons I, II, III, IV, V, VI, VIII.</p> <p>Apron I, II, III, IV, V, VI, & VIII: PPR Airport Ops is required. Apron I: Rstd to CRJ-900/SF34 and smaller. Apron III: Jets towed in & out. Apron IV: Rstd to B757/A321 & smaller. Acft stand taxilane east of DW rstd to Convair CV-580 & smaller. Apron VI (East) bypass (taxilane centreline amber lgt): Simultaneous use of dual taxilanes rstd to narrow body acft. Apron VI (East): Pushbacks from remote parking positions E1-E3 to west taxilane. Apron VI (East): Pushbacks from remote parking positions E10-E19 to sou h taxilane. Apron VI: east bypass restricted to B737 and smaller. Apron VI (horseshoe): taxilanes restricted to B737/A321 & smaller. Apron VI: ALL AIRCRAFT on Apron VI use min thrust due to jet blast. Apron VIII: Rstd to B767/A310 & smaller. Acft pushing back from gates 40 thru 43 ctc 127.15 (North). Advise ATC if ground crew not present at gate.</p>
RCR	Opr CRFI, PLR/PCN

HELI DATA

Pad B: FATO 79' x 79' CONC TLOF 47' x 47' CONC Safety Area 106' x 106'
Max heli overall length 52.6'
Pad C: FATO 108' dia CONC/ASPH TLOF 33' x 33' CONC Safety Area 148' dia
Max heli overall length 73'

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

VANCOUVER INTL BC (Cont'd)

CYVR

LIGHTING	08R-AL(TE HI A TDZL) P3, 26L-AL(TE HI CL TDZL) P3, 08L-AL(TE HI A TDZL) P3, 26R-AL(TE HI A TDZL) P3, 13-AO(TE ME) P3, 31-AO(TE ME) P3 Pad B: RY(HI) Pad C: RY(HI)
COMM	
RCO	Pacific rdo 123.15 (FISE)
ATIS	124.6 restrictions are bcst on ATIS 1-877-517-2847
CLNC DEL	121.4 all dep acft ctc clnc del
GND	121.7 (South) 127.15 (North) 275.8
TWR	118.7 (South) 119.55 (North) VFR 124.02 125.65 226.5 236.6 (E) (emerg 604-775-9531)
TML	125.2
ARR	128.6/128.17 (Outer) 133.1 (Inner) 134.225 (Inner) 352.7
DEP	126.125 (North) 132.3 (South) 363.8
NAV	
NDB	VR 266 (M) N49 10 22 W123 03 26 WHITE ROCK WC 332 (L) N49 00 12 W122 45 01
VOR/DME	YVR 115.9 Ch 106 N49 04 38 W123 08 57 (37')
DME	IVR 109.5 Ch 32 N49 11 18 W123 12 03 (18') IFZ 110.7 Ch 44 N49 11 02 W123 09 55 IMK 111.1 Ch 48 N49 11 48 W123 11 59 (21') IRD 111.95 Ch 56(Y) N49 12 07 W123 09 51 (21') ITL 110.55 Ch 42(Y) N49 12 20 W123 11 47 (23')
ILS	IFZ 110.7 (Rwy 26L) RVR LOC reliable only within 10° either side of centreline; IVR 109.5 (Rwy 08R) RVR LOC reliable only within 10° either side of centreline; IMK 111.1 (Rwy 13) LOC reliable only within 10° ei her side of centreline; ITL 110.55 (Rwy 08L) RVR LOC reliable only wi hin 10° either side of centreline; IRD 111.95 (Rwy 26R) RVR LOC reliable only within 10° either side of centreline

VANCOUVER INTL BC (Cont'd)

CYVR

PRO

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

AIRSPACE: See VTA chart for VFR rtes & pro. Procedures for crossing the southern Strait of Georgia within Tml Class C airspace refer to VTPC. Transponder mode C reqrd in class C airspace and CZ. CARS Part VII operators must ensure routes flown at night meet minimum altitude requirements for commercial operations.

MULTILATERATION: Pilots must keep their transponder on at all times when manoeuvring on the airport (turned on prior to brake release and on arrival, on until final engine shutdown).

Pilots that do not have transponder code issued by ATC squawk 1000 when taxiing.

AIRPORT: Peak tfc 14-02Z±. Noise abatement see Canada Air Pilot & VTA chart. Run-ups, crossbleed starts, airstarts & jet engine starts on gate (Apron VI only): PPR ctc YVR ops 604-207-7022, Fax 604-276-6099. No ab initio tng. For water A/D info refer to CWAS.

APU SHUTDOWN PROCEDURE: Acft Auxiliary Power Unit (APU) use shall be limited to 15 min or less in total between on-block time and departure of acft from stands supplied with gnd power unit (GPU) and/or preconditioned air, for environmental reasons. Acft on stands not equipped with svcb GPU and/or preconditioned air need not comply with above limitation.

De-icing General:

1. De-icing at gates permitted for frost removal only, contact "VANCOUVER DE-ICE" on 129.95.
2. De-icing pads West are positively controlled when De-icing OPS are in effect, PAD CONTROL is providing control of all aircraft and vehicle movements on these surfaces.
3. 30 min prior to pushback or taxi, advise "VANCOUVER DE-ICE" on 129.95 that de-icing is required, the type(s) of fluids required and the aircraft type. VANCOUVER DE-ICE will designate de-ice pad.
4. When requesting pushback or taxi clearance, advise ATC that de-icing is required and designated de-ice pad.
5. When advised by ATC, contact "PAD CONTROL" on 131.975 for instructions in the de-icing center and assignment to a de-icing bay.
6. Follow PAD CONTROL instructions to de-icing bay.
7. When advised by PAD CONTROL, contact ICEMAN on 130.700 and confirm brakes set, aircraft configured, engines at idle, de-icing fluid requirements and
8. After de-icing is completed and the aircraft has been inspected, ICEMAN will confirm aircraft is clean, start time for HOLDOVER and types of fluids applied.
9. When advised by ICEMAN, contact PAD CONTROL on 131.975 for instructions.

UNDER NO CIRCUMSTANCES MAY THE AIRCRAFT BE MOVED BEFORE PAD CONTROL ADVISES THAT THE AIRCRAFT IS CLEARED TO TAXI OUT OF THE BAY.

NOTE: Twy J (southbound): Right turns permitted for acft larger than B767/A310, when de-icing operations are in effect, and Gates 39 and 40 are closed.

WEST PAD

1. Aircraft queuing is on Twy V at Twy K and on Twy M.
2. Narrow-body aircraft will use positions W1, W3, W4, W6, W7, W9, W17 and W19, indicated by yellow inset guidance lights.
3. When transferred from ATC, follow PAD CONTROL instructions to de-icing bays.

VANCOUVER INTL BC (Cont'd)

CYVR

PRO (Cont'd)

GROUND RUN-UP ENCLOSURE (GRE)

Operators must receive an orientation for the GRE facility prior to use. Crews may contact the Icehouse to schedule de-icing up to 120 minutes prior to departure. Information required: aircraft type, flight number/call sign, and the type(s) of fluids required

Parking position 2A, on Apron 1, is the only staging position for the facility. Aircraft waiting to use the GRE must remain on their aprons until 2A becomes available. All propeller acft and jet acft with a wingspan 71 ft or less (Dassault Falcon 900 with winglets and smaller) may power in/out of the facility. ICEMAN will advise if engines should be running during de-icing.

ENTRY PROCEDURE

1. Before contacting ATC for taxi, contact ICEMAN 130.925 for position in de-icing queue.
2. When ICEMAN approves access to either the staging position (2A) or GRE, contact ATC 121.7 for taxi.
3. Proceed as instructed by ICEMAN. CAUTION: DO NOT enter GRE until instructed by ICEMAN.
4. Advise ICEMAN 130.925 when stopped in the GRE.

DE-ICING PROCEDURE

5. Contact ICEMAN 130.925 to confirm brakes set, aircraft configured, engines idle, and provide fluid requirements.
6. After de-icing is complete and the aircraft has been inspected, ICEMAN will confirm aircraft is clean, start time for HOLDOVER and types of fluids applied.

EXIT PROCEDURE

7. When ready to taxi contact ICEMAN 130.925 for instructions.

ATC:IFR Clearance Acknowledgement

IFR clearance read back with Vancouver Tower clearance delivery shall include the acft call sign, assigned SID name and transponder code.

Ground Control Procedure

YVR GND is divided into two sectors with separate freq. Ctc the next GND sector crossing the N/S boundary unless otherwise instructed by ATC.
Apron VI Users: See Standard Taxi Arrival/Departure Procedures.

PARKING: W1-19 power in and out; E1-E19 power in & tow out.

ARRIVALS:Flow Times - IFR

Acft planning IFR flt into CYVR should ctc ATS prior to dep to determine flow status. If unable to determine thru ATS, ctc National Traffic Management Unit (FLOW CTL) 877-987-2055.

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 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 call Kamloops FIC at 866-541-4101 or PAC RDO 123.15.
- All acft arriving Victoria Intl from a non NAV CANADA site call Kamloops FIC at 866-541-4101 or PAC RDO 123.15 for code assignment at least 30 minutes prior to flight or file a VFR Flight Plan/ Flight Itinerary.

VANCOUVER INTL BC (Cont'd)

CYVR

PRO (Cont'd)

DEPARTURES:

Coded Taxi Routes

READ BACK: "CODE ROUTE (code) & ASSIGNED RWY"

Monitor TWR freq approaching the hold line of the assigned rwy, unless otherwise instructed by ATC.

Rwy 08R/26L - TWR 118.7

Rwy 08L/26R -TWR 119.55

CODETAXI ROUTE

EchoRwy 08R-E, D, H, hold short L.

Rwy 08L-E, D, H, hold short V, ctc gnd 127.15 (expect taxi via H, M, M10).

Rwy 26R-E, D, H, hold short V, ctc gnd 127.15 (expect taxi via V, M, M9).

Rwy 26L-E, D.

GolfRwy 08R-G, H, hold short L.

Rwy 08L-G, H, hold short V, ctc gnd 127.15 (expect taxi via H, M, M10).

Rwy 26R-G, H, hold short V, ctc gnd 127.15 (expect taxi via V, M, M9).

Rwy 26L-G, H, D.

Juliet-Alpha*Rwy 08R-JA, J, K, V, hold short H, ctc gnd 121.7 (expect taxi via V, L).

Rwy 08L-JA, J, M, M10

Rwy 26R-JA, J, M, M9

Rwy 26L-JA, J, K, V, hold short H, ctc gnd 121.7 (expect taxi via H, D).

Juliet-Bravo*Rwy 08R-JB, J, K, V, hold short H, ctc gnd 121.7 (expect taxi via V, L).

Rwy 08L-JB, J, M, M10

Rwy 26R-JB, J, M, M9

Rwy 26L-JB, J, K, V, hold short H, ctc gnd 121.7 (expect taxi via H, D).

Juliet-Charlie*Rwy 08R-JC, K, V, hold short H, ctc gnd 121.7 (expect taxi via V, L).

Rwy 08L-JC, J, M, M10

Rwy 26R-JC, J, M, M9

Rwy 26L-JC, K, V, hold short H, ctc gnd 121.7 (expect taxi via H, D).

LimaRwy 08L-L, H, hold short V, ctc gnd 127.15 (expect taxi via H, M, M10).

Rwy 26R-L, H, hold short V, ctc gnd 127.15 (expect taxi via V, M, M9).

Rwy 26L-L, J, H, D

Papa*Rwy 08R-P, M, V, hold short H, ctc gnd 121.7 (expect taxi via V, L).

Rwy 08L-P, M, M10

Rwy 26R-P, M, M9

Rwy 26L-P, M, V, hold short H, ctc gnd 121.7 (expect taxi via H, D).

SierraRwy 08R-S, M, V, hold short H, ctc gnd 121.7 (expect taxi via V, L).

Rwy 08L-S, M, M10

Rwy 26R-S, M, M9

Rwy 26L-S, M, V, hold short H, ctc gnd 121.7 (expect taxi via H, D).

Tango*Rwy 08R-T, M, V, hold short H, ctc gnd 121.7 (expect taxi via V, L).

Rwy 08L-T, M, M10

Rwy 26R-T, M, M9

Rwy 26L-T, M, V, hold short H, ctc gnd 121.7 (expect taxi via H, D).

*A340-600/B777-300/A350-900/A350-1000 Taxi Routes

PRO (Cont'd)

NOISE

NOISE ABATEMENT PROCEDURES:

These procedures apply to JET ACFT unless noted otherwise.

DEP PROCEDURES**JET ACFT**

1. NADP 1 or 2 (Noise Abatement Dep Proc) required for all runways. Advise ATC CLNC DEL if using NADP 1. Follow SID to 3000' BPOC.
2. Rwy 08R btn 2300- 0600 local; acft on westerly routes follow assigned SID to 2000' BPOC.
3. ICAO Annex 16 Chapter 2 or FAA part 36 Stage 2 cert acft; departures on runways 08L and 26R not permitted.

ARR PROCEDURES**IFR APPROACHES & PUBLISHED VISUAL APPROACHES**

Use low power/drag profiles consistent with safe oprg procedures, conforming to published visual approaches and as directed by ATC.

VFR APPROACHES

Conform to published VTA routes and as directed by ATC.

REVERSE THRUST - LDG

All runways: Consistent with safe oprg procedures, plan ldg using **idle** reverse thrust.

NIGHT RESTRICTIONS**LOCAL TIME PROCEDURE**

1. **0001- 0600: Dep** of ICAO Annex 16 Chapter 2 or FAA FAR Part 36 Stage 2 cert JET ACFT 34,000 kg and over not permitted.
2. **0001- 0600: Dep** of JET AIRCRAFT rated over 34,000 kg (MTOW), regardless of actual take-off weight, require prior approval from YVRAA OPERATIONS.
3. **2200- 0700: Dep/Arr** of all acft on runways 08L & 26R not permitted*
4. **2200- 0700: Local Tng Flights** not permitted.

* See **CONTACT & APPROVALS** Section below.

ALL AIRCRAFT (Priority Flights Exempt)

LOCAL TIME

1. 0600-2300

One direction flow

2. 2300-0600

Two direction flow

PREFERENTIAL RUNWAY USAGE

Defer to westerly flow

Minimize departures on Rwy 13 and arrivals on Rwy 31

Westerly flow for departures and easterly flow for arrivals

Minimize departures on Rwy 13 and arrivals on Rwy 31

Subject to limiting factors including: physical condition of surfaces; irregular airfield operations; crosswind and tailwind conditions; and traffic volume. (MEDEVACS EXEMPT)

ENGINE RUN-UP RESTRICTIONS

Maint engine run-ups for all ACFT require prior approval from YVRAA OPS. Guidelines are contained in the Apt Ops Directive, Acft Engine Run-ups.

ALT RESTRICTIONS

1. Exclusive of the dep & arr procedures, no departing or arriving acft shall opr over the City at less than 5000' ASL (8000' btn 2300-0700 local time - except acft oprg on published RNAV STAR).
2. The City is defined as that area lying btn the S arm of the Fraser River and the N Shore Burrard Inlet and from Point Gray to the eastern bdy of the Vancouver Control Zone.

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

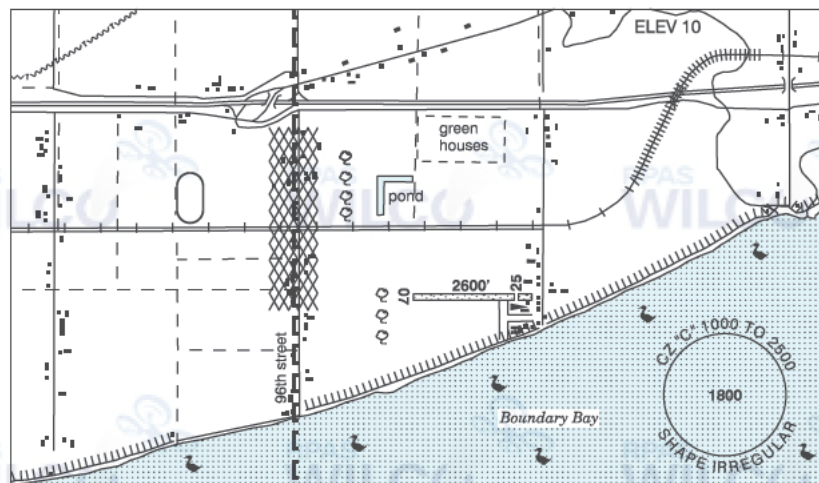
VANCOUVER INTL BC (Cont'd)

CYVR

PRO (Cont'd) NOISE (cont'd)	CONTACT & APPROVALS Night Restrictions #3: YVRAA OPS may permit exemptions for emergencies and airfield maint. Tel: 604-207-7022, Fax 604-276-6099 (H24) IT IS THE PILOT'S RESPONSIBILITY TO ADHERE TO PUBLISHED NOISE ABATEMENT PROCEDURES.
CAUTION	Oct-Apr Migratory birds in vic of aprt; resident Snow Goose population, Significant hazard at and BLW 400 AGL W of the thld of Rwy 08R and Rwy 08L out to 1.9NM. ALL JET ACFT: Light acft susceptible to jetblast when turning fr Twy F on to Twy C. Frequent VFR float acft activity on river S side of aprt.

DELTA / DELTA HERITAGE AIR PARK BC

CAK3



REF	N49 04 43 W122 56 17 4.5E 17°E (2013) UTC-8(7) Elev 10' VTA A5004
OPR	Recreational Aircraft Association, Chap 85 (DapCom) 604-543-8894, Caretaker 604-722-3791 Reg PPR by phone 604-878-9050
PF	B-1 C-2,3,6 D-4,5
FLT PLN	
FIC	Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA)
SERVICES	
FUEL	100LL
S	4,5
RWY DATA	Rwy 07/25 2600x75 TURF Thld 25 displ 300'
RCR	Opr No win maint. Rwy soft when wet
COMM	
ATIS	Boundary Bay 125.5 15-07Z±
ATF	tfc 123.3 2NM below 1000 ASL Excluding that portion which penetrates Boundary Bay class "C" airspace.

BRITISH COLUMBIA

AERODROME / FACILITY DIRECTORY

DELTA / DELTA HERITAGE AIR PARK BC (Cont'd)

CAK3

PRO

HELI
NOISE

Heli tng not auth.

Circuit alt 600 ASL. Rgt hand circuits Rwy 25 (CAR 602.96).

NOISE ABATEMENT PROCEDURES:

Departures:

Rwy 25 Dep: When safe hdg 280°, then further right turn to crosswind to avoid noise sensitive area.

Downwind dep auth fr Rwy 25 at 600 ASL. No southbound dep until clear of circuit to E. Avoid flt over dike and adj water area below 600 ASL.

Arrivals:

All arr to air park fr seaside. Cross midfield at 600 ASL and join downwind (CAR 602.96).

Rwy 07 Arr: Fr downwind, turn on base leg well bfr 96th Street to avoid noise-sensitive area. When S of railway tracks hdg 100° to intercept final apch E of row of trees.

Boundary Bay A/D 2.5NM W, obtain clnc prior to entering Boundary Bay CZ. Refer to VTPC. 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 ABOVE 2500FT.

CAUTION

Extremely confined circuit. Trees 750' fr thld Rwy 07, trees and obst adj to thld Rwy 25. Acft unable to accommodate noise abatement procedures and obst avoidance should avoid the air park. Beware of Boundary Bay A/D tfc close to Delta Heritage Air Park.