



Flight Plan & Site Survey

Created using **RPAS Wilco®**

| | |
|--------------------------|--------------------------------------|
| Operation Name: | seraxum park |
| Pilot Name: | [REDACTED] |
| Pilot Certificate: | [REDACTED] |
| Flight Start: | March 30, 2023 11:39 AM |
| Flight End: | March 30, 2023 1:39 PM |
| Flight Area (Latitude): | 49° 9' 54.20" N (49.165) |
| Flight Area (Longitude): | 123° 58' 15.30" W (-123.971) |
| Altitude - Radius: | Alt: 600 ft - Rad: 740.8 m (0.4 nm) |
| Airspace: | CERT |
| FIR - Contact: | CZVR - 604-586-4500 |

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

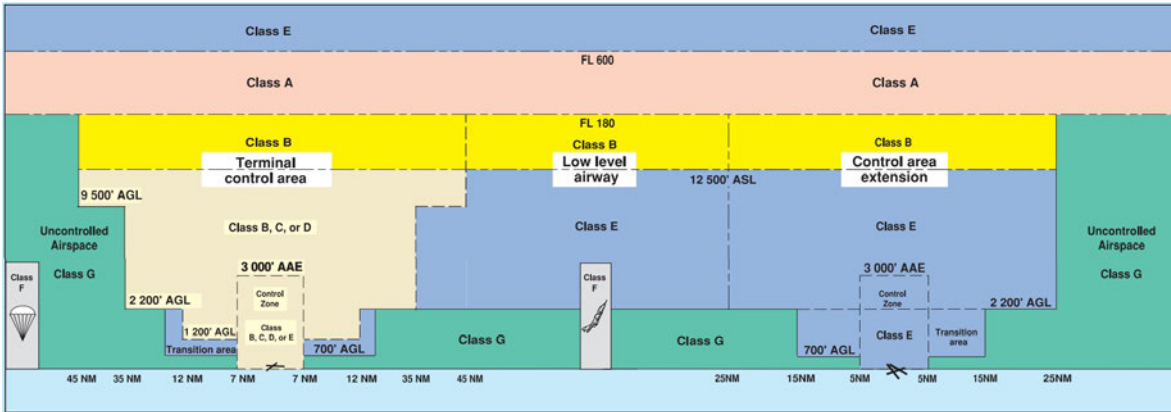


MAP Details

| | Latitude | Longitude |
|--|--------------------------------|------------------------------------|
|  MODEL | 49° 9' 54.20" N (49.165) | 123° 58' 15.30" W (-123.971) |
|  Pilot | 49° 9' 57.80" N (49.1661) | 123° 58' 18.90" W (-123.9719) |



Airspace Classification



Overlying Airspaces

| Class | Name | Floor | Ceiling |
|-------|-------------------|----------|----------|
| E | V342 Airway | 2200AGL | 12500MSL |
| B | V342 Airway | 12500MSL | 18000MSL |
| E | V440 Airway | 2200AGL | 12500MSL |
| B | V440 Airway | 12500MSL | 18000MSL |
| E | T719 Airway | 2200AGL | 12500MSL |
| B | T719 Airway | 12500MSL | 18000MSL |
| E | A16 Airway | 2200AGL | 12500MSL |
| B | A16 Airway | 12500MSL | 18000MSL |
| E | G1 Airway | 2200AGL | 12500MSL |
| B | G1 Airway | 12500MSL | 18000MSL |
| 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 | T609 Airway | 2200AGL | 12500MSL |
| B | T609 Airway | 12500MSL | 18000MSL |

Nearest Aerodromes & Distance from Operation

| | | | |
|--|---------------------------|-----------|---------|
| NANAIMO HARBOUR (CAC8 WATERDROME Reg) | Lat: 49.183 Long: 123.95 | 2.509 KM | 1.35 NM |
| NANAIMO (REGIONAL GEN HOSP) (CBG5 HELIPORT Cert) | Lat: 49.186 Long: 123.972 | 2.33 KM | 1.26 NM |
| NANAIMO (CYCD AERODROME Cert) | Lat: 49.054 Long: 123.87 | 14.368 KM | 7.76 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).

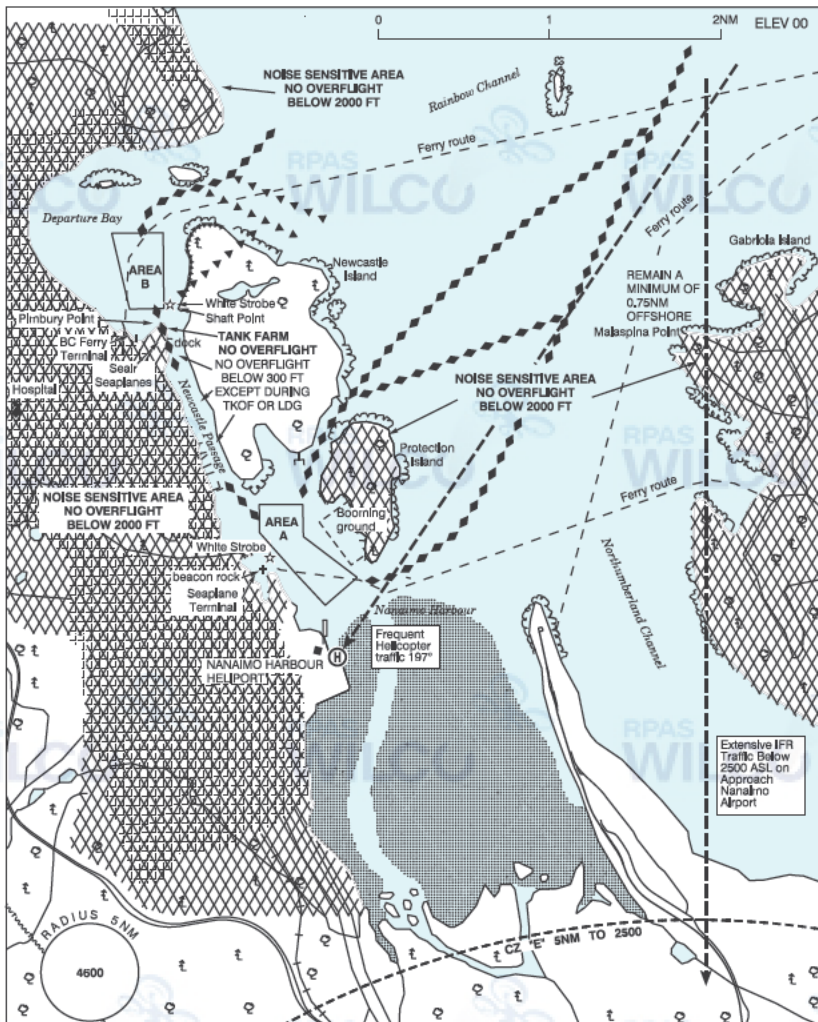
CANADA WATER AERODROME SUPPLEMENT

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

AERODROME/FACILITY DIRECTORY B131

NANAIMO HARBOUR BC

CAC8



| | |
|----------------|---|
| REF | N49 11 W123 57 Adj 17°E (2014) UTC-8(7) Elev 00' VTA A5004 |
| OPR | Nanaimo Port Authority 250-753-4146 Seair Seaplanes 866-692-6440 or 250-753-1115 Reg docking fee applicable if not purchasing fuel |
| PF | A-1,2 C-3,4,5,6 |
| CUST | AOE/15 888-226-7277 |
| FLT PLN | |
| FIC | Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA) |
| WX | WxCam |

CANADA WATER AERODROME SUPPLEMENT

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

B132 AERODROME/FACILITY DIRECTORY

NANAIMO HARBOUR BC (Cont'd)

CAC8

| | |
|-----------------|--|
| SERVICES | |
| FUEL | 100LL, JA |
| S | 4,6 Ltd hrs |
| PVT ADV | Seair Seaplanes 129.30 1500-0230Z† |
| COMM | |
| RCO | Pacific rdo (Nanaimo) 126.0 (FISE) (may not be receivable on the ground) |
| ATF | Pacific rdo (Victoria) 122 375 (FISE) tfc 122.9 5NM 3000 ASL exc area within Nanaimo land A/D CZ and class "C" airspace |
| NAV | |
| NDB | YCD 251 (M) N49 07 40 W123 52 18 |
| PRO | <p>GENERAL:</p> <ol style="list-style-type: none"> 1. Acft ops within Nanaimo Harbour & Departure Bay rstd to 15-06Z† O/T PPR fr Nanaimo Port Authority. 2. No acft should overfly the noise sensitive areas of the City of Nanaimo, Gabriola Island or Protection Island at an alt below 2000'. 3. No acft should overfly Newcastle Island Passage below 300' except in transition for tkof and ldg. 4. No acft should overfly the Pimbury Point tank farm. 5. No acft should tkof or land or step taxi within Newcastle Island Passage or within 500' of any shoreline, wharf or fixed object. 6. Taxi speed rstd to 5 kts in Newcastle Island Passage. 7. No flying training or circuits should be conducted within Nanaimo Harbour or Departure Bay. 8. Acft rdo activated white strobe lgts oprg on 122.9 to alert mariners and pilots of arr/dep seaplanes. Located on central breakwater SW of Area "A" in Nanaimo Harbour and between Shaft Point and Pimbury Point for Area "B". Refer to Area A/B Ops below. Report strobe u/s to opr. <p>AREA "A" OPS Area "A" description - As depicted. N bdry marked by 3 lgtd white buoys. W bdry marked by 2 lgtd white buoys parallel to central breakwater.</p> <ol style="list-style-type: none"> 1. Follow proscribed routes during arr/dep. 2. Consistent with wind, wx, sfc tfc and water conditions, make tkofs/ldgs within Area "A". Remain clear of ferries. 3. Activate strobe aprx 60 secs prior to tkof or ldg. Key mike 3 times in 5 secs on 122.9. Strobe opr for 90 secs. <p>AREA "B" OPS Area "B" description - As depicted. Begins 300' NW of a line btwn Pimbury and Shaft Points.</p> <ol style="list-style-type: none"> 1. Follow proscribed routes during arr/dep. 2. Consistent with wind, wx, sfc tfc and water conditions (ferry swells and turbulence etc.) make tkofs/ldgs within Area "B", favouring the E side of the area. Remain clear of ferries. 3. Activate strobe aprx 60 secs prior to tkof or ldg. Key mike 5 times in 5 secs on 122.9. Strobe opr for 90 secs. <p>Refer to Nanaimo VTPCs and CYCD PRO for additional procedures in vicinity of Nanaimo.</p> <p>ATS REQUIREMENTS: All VFR acft entering the Vancouver Tower Class C airspace require a transponder code. Call Kamloops FIC at 866-992-7433 (866-WXBRIEF) or 866-541-4101 for code assignment at least 30 min prior to flt.</p> |
| CAUTION | AREAS "A" AND "B": Hvy sfc tfc. Ferries create large swells and turbulence. |

CANADA WATER AERODROME SUPPLEMENT

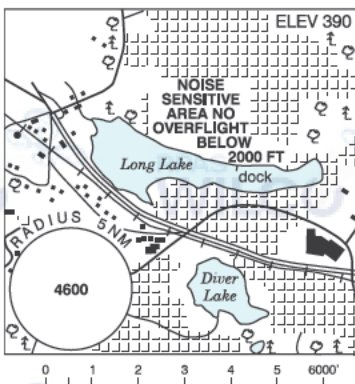
Effective 0901Z 24 March 2022 to 0901Z 20 April 2023

AERODROME/FACILITY DIRECTORY B133

NANAIMO / LONG LAKE BC

CAT3

| | |
|-----------------|---|
| REF | N49 13 W124 01 Adj 17°E (2014) UTC-8(7) Elev 390' VTA A5004 |
| OPR | M. & L. Morrison 250-758-1453/ 250-755-9555 Reg PPR |
| PF | C-1,2,3,4,5,6 |
| FLT PLN | FIC Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA) |
| SERVICES | S 5 |
| A/D DATA | Depth 15'+ |
| COMM | ATF tfc 122.9 5NM 3000 ASL |



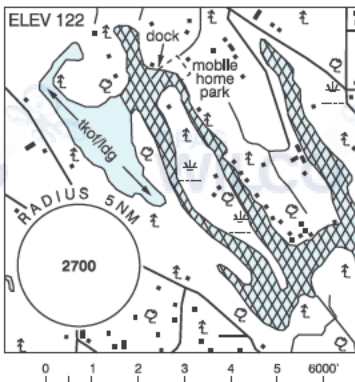
PRO Arr/dep to the E via Departure Bay. When operationally feasible, tkof to the W-straight ahead to Brannen Lake before proceeding on crs. Avoid circuits over S, N & E boundaries of lake. Refer to Nanaimo VTPCs and CYCD PRO for additional procedures in vicinity of Nanaimo.

CAUTION Small boat tfc. Shoal W end of lake.

NANAIMO / QUENNEL LAKE BC

CBQ9

| | |
|-----------------|---|
| REF | N49 04 39 W123 49 50 10SE 17°E (2014) UTC-8(7) Elev 122' VTA A5004 |
| OPR | Zuiderzee Campsites 250-722-2334 Reg PPR |
| FLT PLN | FIC Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA) |
| SERVICES | FUEL 100LL daylight hrs PN S 1,2,3,5,6 PVT ADV Pacific Seaplanes 1-855-933-5922 |



A/D DATA
MOORING Year round open water, lake ocsf freeze over mid win, call opr to confirm cond. Sheltered alighting area. Depth at dock 15', mud/sand bottom. Wharf & ramp PPR.

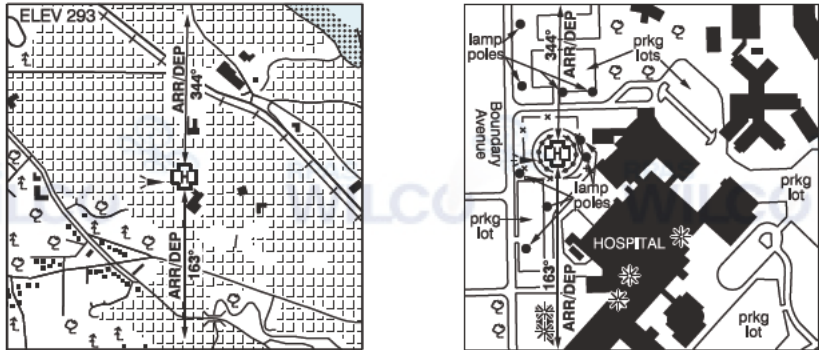
COMM
MF/ATF Nanaimo rdo 1330-0530Z± O/T tfc 122.1 centred on Nanaimo land A/D 2.1NM SSW, CZ shape irregular 5NM 2500 ASL (CAR 602.98)

PRO **Take-off/Landing:** All tkofs and lds in the W arm of the lake.
Arrival/Departure: No arr or dep before 0700 lcl time.
Circuits: All circuits remain W of alighting area.
Training: Touch & go flight training is discouraged.
Refer to Nanaimo VTPCs and CYCD PRO for additional procedures in vicinity of Nanaimo.

CAUTION No tkof or lds in low speed areas of lake.

NANAIMO (REGIONAL HOSP) BC (Heli)

CBG5



| | |
|-----------|--|
| REF | N49 11 09 W123 58 18 1.7WNW 17°E (2013) UTC-8(7) Elev 293' VTA A5004 |
| OPR | Nanaimo Regional General Hospital 250-370-8555 Cert PPR |
| PF | B-1,2,4 C-3,5,6 |
| FLT PLN | |
| FIC | Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA) |
| HELI DATA | FATO/TLOF 87' dia CONC/GRASS Safety Area 115' dia Max heli overall length 57.4' (CAR 602.96) |
| RCR | Opr |
| LIGHTING | RW(ME) green ARCAL-122.9 type J |
| COMM | |
| RCO | Pacific rdo 126.0 (FISE) |
| ATF | tfc 122.9 5NM 3300 ASL centred on Nanaimo Harbour water A/D 1NM ENE exc area within Nanaimo land A/D CZ and class "C" airspace |
| PRO | Arr/dep 163° & 344° fr heli, (H1) day/night (CAR 602.96). Refer to NANAIMO VTPCs and CYCD PRO for addi onal procedures in vicinity of Nanaimo. |
| CAUTION | Several pkg lot lamp standards to 20' adj N and S of heli, lgtd and marked, p-lines adj W marked, power poles adj W marked and lgtd. Tower crane 406 ASL (120 AGL) 246' E of heli. |

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

NANAIMO BC

CYCD

| | | |
|-----------------|--|--|
| REF | N49 03 16 W123 52 12 7SSE 17°E (2015) UTC-8(7) Elev 92' VTA A5004 LO2 HI3 T1 CAP RCAP | |
| OPR | Commission 250-245-2157 Cert Ldg fees | |
| PF | A-1,2,3,6 C-5 D-4 | |
| CUST | AOE/20 888-226-7277 | |
| FLT PLN | | |
| FIC | Kamloops 866-WXBRIEF (Toll free within Canada) or 866-541-4101 (Toll free within Canada & USA) | |
| ACC | Vancouver IFR 604-586-4590/4591 or 800-668-1333; IFR tng flts PPR ctc 604-586-4592 or 800-668-1333 | |
| WX | METAR 1400-0500± O/T LWIS AUTO (see COMM) TAF 16-05Z±, issue times: 16, 18, 24Z (DT 15, 18, 24Z). | |
| SERVICES | Call-out chg may be levied for one or more svcs | |
| FUEL | 100LL, JA-1 (FSII avbl) Enex Aviation Self serve H24, full svc 17-01Z± Mon-Fri, O/T call out avbl PN 250-924-3639; Nanaimo Flying Club 604-227-9274 (100LL only) Self serve H24 cardlock | |
| OIL | All | |
| S | 2,3,4,5 | |
| ARFF | DESIGNATED CAT 6 1330-0800Z± for sked acft 20 seats and abv, O/T 2 hr PN cost recovery | |
| RWY DATA | Rwy 16(164°)/34(344°) 6602x150 ASPH Thld 16 displ 197' Thld 34 displ 1002' | |
| RWY CERT | Rwy 34 RVR 1200(1/4sm) Rwy 16/34 AGN IIIB | |
| TWY CERT | Twy G AGN I | |
| TWY | Twy G unlighted, rstd day time use only, max wt 5000 lbs Twy G wt greater than 5000 lbs PPR 250-618-0875. | |
| APRON | Prkg plan in effect. CBSA and corporate turbine acft must park along N edge of Apron I PPR 250-618-0875. No exceptions. Corp turbine acft access groundside via Gate 19A only. PPR for access/egress via tml bldg. Remaining Apron I rstd to sked tfc only. Piston acft not permitted to use Apron I due apron congestion. No exceptions. Altn prkg avbl on Apron III at Nanaimo Flying Club (NFC) ctc 604-227-9274. | |
| RCR | Opr Win maint 1330-0700Z± dly, O/T 2 hrs PN CRFI, PLR/PCN | |
| LIGHTING | 16-AW(TE HI) P2, 34-AS(TE HI) P2 3.5° PAPI limitation/restriction. PAPI Rwy 34 offset 8° rgt. PAPI 34 to be used only within 3NM of hld. Lgts O/R FSS dur hrs of ops, O/T ARCAL-122.1 type K. | |
| COMM | | |
| RADIO | 122.1 291.8 (V) 1330-0530Z± (emerg only 250-245-4032) | |
| RCO | Pacific rdo 126.0 (FISE) | |
| ATIS | 128.425 1-877-517-2847 14-05Z± | |
| GND ADV | 122.6 1330-0530Z± (emerg only 250-245-4032) | |
| MF/ATF | rdo 122.1 1330-0530Z± O/T tfc 122.1 CZ shape irregular 5NM 2500 ASL (CAR 602.98) Victoria 120.8 Victoria Tml 133.95 252.3 Victoria Tml 133.95 252.3 128.425 05-14Z± | |
| TML | | |
| ARR | | |
| DEP | | |
| AUTO | | |
| NAV | | |
| NDB | YCD 251 (M) N49 07 40 W123 52 18 | |
| DME | ICD 110.350 Ch 40(Y) N49 03 38 W123 52 07 (108°) | |
| ILS | ICD 110.350 (Rwy 16) LOC reliable only within 10° either side of centreline. | |

BRITISH COLUMBIA

AERODROME/FACILITY DIRECTORY

NANAIMO BC (Cont'd)

CYCD

PRO

AIRPORT RESTRICTION:
Pursuant to CAR 602.96 (3)(d) aprt use rstd to acft wi h a wingspan of less than 118'.
CIRCUITS:
See NANAIMO VTPC - CIRCUIT PROCEDURES
Circuit alt 1200 ASL. Avoid flt over built-up areas below 1000 ASL.
RWY 34: Rgt hand circuits (CAR 602.96). Maintain 1200 ASL til over Ladysmith Harbour.
RWY 16: Climb to safe alt. Left turn hdg 142° til over Ladysmith Harbour. Climb over Harbour to 1000 ASL BPOC.
ARRIVAL PROCEDURES:
Obtain ATIS message on 128.425 prior to establishing contact on MF 122.10. Establish contact 5 min prior to entering CZ.
VFR INBOUND from SW-W-NW-N: Follow VFR transit routes to GRAVEL PIT cross overhead midfield to join into downwind.
VFR INBOUND from E-SE-S: Follow VFR transit routes. Rwy 16 via YELLOW PT to join into downwind. Rwy 34 via Ladysmith Harbour to join offset final.
DEPARTURE PROCEDURES:
VFR departing SE-S Rwy 16, to reduce the risk of conflict with IFR aircraft, VFR aircraft are expected to fly outbound over Ladysmith Harbour at 1000 ASL or below un il clear CZ.
VFR TRANSIT PROCEDURES:
N and W bound traffic expected to transit CZ at 2000 ASL or above following VFR transit route via YELLOW PT-GRAVEL PIT.
S and E bound traffic expected to transit CZ at 2000 ASL or above following VFR transit route via GRAVEL PIT-YELLOW PT.
NOISE ABATEMENT PROCEDURES:
Recommended minimum altitude over built up areas and Gulf Islands is 2000 ASL.
PROCEDURES FOR CROSSING SOUTHERN STRAIT OF GEORGIA:
Within TML Class C airspace refer to VTA and Vancouver Intl VTPC for Crossing the Southern Strait of Georgia.
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 126.0 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 he 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 126.0.
- All acft arriving Victoria Intl from a non NAV CANADA site call Kamloops FIC at 866-541-4101 or PAC RDO 126.0 for code assignment at least 30 minutes prior to flight or file a VFR Flight Plan/ Flight Itinerary.
GROUND ADVISORY:
The Minister has authorized specific operating restrictions regarding communications intended for the MF, as well as the introduction of a Ground Advisory frequency (GND ADV) pursuant to CARs 602.97(2), 602.98(1) and 602.99.
Departure procedure: Prior to taxi for departure; contact GND ADV on 122.6 for clearance and initial advisory information. After receiving inial advisory information, GND ADV will initiate communication transfer to RADIO on 122.1 prior to entering the runway/departure surface. Pilots are required to ascertain that there is no likelihood of collision with another aircraft or a vehicle prior to departure as stated in CAR 602.96 2a) and b).
Arrival procedure: After exiting he runway/arrival surface and reporting clear on the radio frequency, pilots will be directed to contact GND ADV on 122.6 for ground traffic and taxiing information before entering the taxiway.

CAUTION Recommend that only pilots familiar with the lcl area use this aprt dur hrs of darkness. Night ops not recommended unless the PAPI and all five hazard beacons are oprg. Hi terrain reduces operational leng h of Rwy 34 PAPI. Extv bird activity. Deer in vic of rwy. Rising terrain immediately S of thld Rwy 34 (see VTPC).