

WILDLIFE ACT
PERMIT SU21-639186
SUPERCEDES PERMIT ISSUED SEPTEMBER 7, 2021

PERMIT HOLDER	<p>s.15; s.19 DBA on behalf of Ministry of Forests Lands Natural Resource Operations and Rural Development s.15; s.19; s.22</p> <p>FLNRO Contact :s.15; s.19 Phone: s.15; s.19 Email: s.15; s.19</p>
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IS AUTHORIZED UNDER	s. 2 (c)(iii), 2 (c)(iv) and 2 (i) of the Permit Regulation, B.C. Reg. 253/2000,
TO	<p>Hunt, trap or kill coyotes (<i>Canis latrans</i>), during the open or closed season for the proper management of the wildlife resource, within the boundaries of Stanley Park, BC.</p> <p>Hunt, trap or kill coyotes (<i>Canis latrans</i>), during the open or closed season on behalf of the government that are dangerous to public safety, within the boundaries of Stanley Park, BC.</p> <p>Discharge a firearm in a no shooting area, specifically, within 100 m of</p> <ul style="list-style-type: none"> (a) a church, school building, school yard and playground, (b) a dwelling house, (c) a farm or ranch building that is occupied by persons or domestic animals, and (d) a regional district park in Management Units 1-1 to 1-15 and 2-1 to 2-19.

IS AUTHORIZED UNDER	s. 2 (e) of the Permit Regulation, B.C. Reg. 253/2000,
TO	Trap coyotes (<i>Canis latrans</i>) during the open or closed season, with a trap that is prohibited by regulation, specifically a "relaxing snare restraint", within the boundaries of Stanley Park, BC.

AND

IS EXEMPT UNDER s. 3 (1)(b)(i) and 3 (1)(b)(ii) of the Permit Regulation, B.C. Reg. 253/2000,

FROM	The prohibitions in section 26 (1)(d) and 26 (1)(e) of the Act against hunting, taking, trapping, wounding or killing coyotes with a firearm or a bow during the prohibited hours and by the use or with the aid of a light or illuminating device.
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SUBJECT TO THE FOLLOWING:

TERMS OF PERMIT	<ol style="list-style-type: none"> The permit holder must comply with all laws applicable to the activities carried out under this permit. The permit holder must follow and comply with all Animal Handling and Care Protocols ("STANDARD OPERATING PROCEDURE: Stanley Park Coyote Management – Immobilization and Humane Euthanasia"; APPENDIX C), The permit holder may have one firearm on site for the strict use of their duties pertaining to this permit. The permit holder must adhere to all conditions of federal and provincial statutes with regards to firearms possession, handling, discharge, and
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	<p>storage. The discharging of a firearm is only permitted when there is a direct threat to health and safety when exercising the authorities of this permit, or as directed within Animal Handling and Care Protocols</p> <p>4. The permit holder must take all reasonably necessary steps to ensure that public safety is not jeopardized, and fish or wildlife habitat is not damaged by any action taken under authority of the permit.</p> <p>5. Permit holder must provide a copy of any reports or data generated to FrontCounter BC, Ministry of Forests, Lands, Natural Resource Operations and Rural Development.</p> <p>6. The permit holder must comply with the terms in Appendix A.</p>	
COMPLIANCE ADVISORY	Failure to comply with any term of this permit is an offence under the <i>Wildlife Act</i> , and may result in any or all of prosecution, suspension of the permit, cancellation of the permit, ineligibility for future permits, and denial of future permit requests.	
PERIOD OF PERMIT	This permit is only valid from September 7, 2021 – September 30, 2021	
DATE OF ISSUE	September 7 th , 2021	
s.15; s.19	s.15; s.19	PERMIT FEE Exempt HCTF SURCHARGE Exempt
<hr/> SIGNATURE OF ISSUER		

BRITISH
COLUMBIA

APPENDIX A TERMS OF PERMIT PERMIT SU21-639186

REPORTING REQUIREMENTS:

1. The permit holder must maintain an accurate up to date record of the wildlife hunted, trapped or killed under the permit that includes the following information:
 - a) common name of the wildlife;
 - b) location* where the wildlife was taken,
 - c) the date the wildlife was hunted, trapped or killed;
 - d) the sex and age class of the wildlife taken;
 - e) the bands or tags on the wildlife; and
 - f) a description of all nests, dams or other structures destroyed or removed.

*includes a UTM grid location in NAD83 to + or – 100m accuracy (zone 2 digits, easting 6 digits, northing 7 digits)

NOTE: A blank reporting form (**Appendix D**) is attached to the end of this permit for your convenience

2. The permit holder must submit the original copy of this record to FrontCounter BC, Ministry of Forests, Lands, Natural Resource Operations and Rural Development **within 21 days** of the permit's expiry.
3. The permit holder must produce a copy of the record referred to in paragraph 1 on the demand of an officer.

GENERAL CONDITIONS:

1. The permit holder must comply with all laws applicable to the activities carried out under this permit.
2. This permit extends to the permit holder's employees or contractors only when they are engaged in the direct performance of their duties on behalf of the permit holder. Additional licensed trappers are also authorized under this permit, only under the supervision of the permit holder, including but not limited to s.15; s.19 Additional trappers can only be added under written permission by the Regional Manager.
3. All work is to be undertaken by trained professionals with experience in capturing and handling coyotes.
4. The permit holder must take all reasonably necessary steps to ensure that public safety is not jeopardized, and fish or wildlife habitat is not damaged by any action taken under authority of this permit.
5. The permit holder must ensure that the wildlife are treated in a humane manner and are not subjected to any unnecessary harm or suffering.
6. All other animals captured should be released unharmed. Any non-target animals injured as a result of activities performed implementing this permit should be reported immediately to a Wildlife Officer, and transposed as soon as possible to a veterinary hospital or wildlife rehabilitation facility capable of administering the appropriate care.

APPENDIX B ADVISORY PERMIT SU21-639186

GENERAL

- It is the permit holder's responsibility to be aware of all applicable laws and the limits of this permit.
- The Province is not liable for any illness contracted through wildlife handling.
- It is the responsibility of the permit holder to inform themselves of possible health hazards, and to ensure that all reasonably necessary safety measures are undertaken.

LEGISLATION

Below is a non-exhaustive list of provisions under the *Wildlife Act* and regulations that are relevant to this permit. It is the permit holder's responsibility to be aware of any provisions under the Act or regulations that may apply to this permit.

Wildlife Act

Property in Wildlife

2 (1) Ownership in all wildlife in British Columbia is vested in the government.

Documents not transferable

81 Except as authorized by regulation or as otherwise provided under this Act, a licence, permit or limited entry hunting authorization is not transferable, and a person commits an offence if the person

- (a) allows his or her licence, permit or limited entry hunting authorization to be used by another person, or
- (b) uses another person's licence, permit or limited entry hunting authorization.

Failure to pay fine

85 (1) This section applies if a person

- (a) fails to pay, within the time required by law, a fine imposed as a result of the person's conviction for an offence under this Act or the Firearm Act, and
- (b) has been served with notice of this section.

(2) In the circumstances referred to in subsection (1),

- (a) the person's right to apply for or obtain a licence, permit or limited entry hunting authorization under this Act is suspended immediately and automatically on the failure to pay the fine,
- (b) all licences, permits and limited entry hunting authorizations issued to that person under this Act are cancelled immediately and automatically on the failure to pay the fine,
 - (b.1) the person must not apply for employment as an assistant guide,
 - (b.2) the person must not guide as an assistant guide, and
- (c) the person commits an offence if, before that fine is paid, the person
 - (i) applies for, or in any way obtains, a licence, permit or limited entry hunting authorization under this Act,
 - (ii) does anything for which a licence, permit or limited entry hunting authorization under this Act is required,
 - (iii) applies for employment as an assistant guide, or
 - (iv) guides as an assistant guide.

Proof of identity and authorization

97 (1) In this section, "**authorization**" means a licence, permit or limited entry hunting authorization issued under this Act.

(2) Subject to subsection (5), a person who is required to hold an authorization must, on the request of an officer,

- (a) state the person's name and address,
- (b) produce prescribed photo identification, and
- (c) demonstrate in accordance with subsection (3) that the person holds the authorization.

(3) A person may demonstrate that the person holds an authorization by

- (a) producing the authorization, or
- (b) unless the regulations require that the original authorization be produced,
 - (i) producing a legible copy of the authorization, or

(ii) if authorized by the regulations, stating a number assigned to the person by the director as an identification number for the person.

(4) Subject to subsection (5), a person who would be required to hold a licence or permit issued under this Act were the person not exempt under section 11 (9) or 12 (b) must, on the request of an officer,

(a) state the person's name and address, and

(b) produce prescribed photo identification.

(5) Subsections (2) (b) and (4) (b) do not apply to a person in a prescribed class of persons.

(6) A person who contravenes subsection (2) or (4) commits an offence.

Permit Regulation

General offence – failure to comply with permit

8 A person who holds a permit under the Act or the Permit Regulation commits an offence if he or she fails to comply with a term of the permit.

Wildlife Act General Regulation

Proof of identity

21.01 (1) For the purposes of section 97 (2)(b) and (4)(b) of the Act, the following photo identification is prescribed:

(a) valid photo identification issued to a person by any of the following:

(i) the government of Canada;

(ii) the government of a province or territory, or an agent of the government of a province or territory, in which the person has a current address;

(iii) the Nisga'a Lisims Government, if the person is a Nisga'a citizen;

(iv) a treaty first nation, if the person is a treaty first nation member of the treaty first nation;

(b) in the case of a person who is a non-resident alien, valid photo identification in the form of

(i) a passport, or

(ii) a driver's licence issued to the person by a foreign jurisdiction in which the person has a current address;

(c) in any case, a valid NEXUS card.

(2) For the purposes of section 97 (5) of the Act, persons under 16 years of age are prescribed as exempt from the requirement to produce photo identification.

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APPENDIX C - STANDARD OPERATING PROCEDURE PERMIT SU21-639186

STANDARD OPERATING PROCEDURE

Stanley Park Coyote Management – Immobilization and Humane Euthanasia

September 7, 2021

Purpose

A multi-agency collaborative plan for the long-term co-existence of coyotes and humans in Stanley Park is being developed due to a high level of aggressive attacks on humans within the park in 2021. In the short term, direct coyote management that includes lethal removal to reduce animal density and the risk to human safety.

The purpose of the Standard Operating Procedure is to standardize the procedures and supplies and ensure the safety of workers and the humane treatment of animals while performing the live capture, immobilization, handling, euthanasia and sampling of coyotes.

Workers

Permitted trappers will be performing the capture. Wildlife veterinarians and Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) biologists, designated as Wildlife Officers, will be performing the immobilization and euthanasia.

HEALTH RECOMMENDATIONS

- Contact your contract supervisor or work supervisor and consult your physician if you are experiencing any COVID symptoms. Advise your physician that you work with wildlife species.

POTENTIAL HAZARDS

- Corona virus (COVID 19 /SARS COV-2) from close contact with humans (less likely from wildlife)
- Contamination from splashes or injection from immobilizing drug
- Direct animal contact: if any animal contact results in a scratch/bite, apply basic first aid, rinse the wound well with water, disinfect and report to supervisor.
- Feces/body fluids from live or dead animals, and from baits used for capture. **NOTE:** coyotes in BC may be infected with *Echinococcus multilocularis*, a tapeworm that can be transmitted to humans. Infection can occur from close contact with coyote feces. Practice good hygiene.

Materials

Personal protective equipment:

- Water for drinking, water for rinsing spills, washing boots
- Disposable nitrile gloves
- Disinfectant wipes
- Sharps and other disposal
- High-visibility vest, outer wear or similar for team identification
- Headlamp
- Washable overalls or Tyvek, and boots, dedicated to this project only
- Spray disinfectant (e.g. Microban™ spray) for equipment, PPE and outside of totes
- Surgical masks or N-95 masks
- Large, heavy duty garbage bags for carcasses and PPE disposal
- Paper towels
- First aid kit – 1 per team

Live coyote capture and handling:

Trapping:

- Trapper-supplied capture equipment, baits and lures – not detailed here
- Snare pole or restraint pole
- Camera traps to monitor live traps
- First aid kit – 1 per team

Immobilization:

- Animal snare pole or forked handling pole
- Pole syringe
- 3 mL pole syringe head and syringe cover
- Monoject brand 3 mL syringes
- Monoject brand 18 g x 1.5 " needles + 16 g x 1.5 " needles
- s.15 (includes sterile water)
- 3 mL x 22 g $\frac{3}{4}$ " needles - for mixing Zoletil or hand injection
- MSDS form for s.15 components (in plastic sleeve)
- Blindfold
- Handling blanket or heavy blanket
- Large dog kennel in transporting vehicle

Coyote carcass handling

• Coyote sampling kit – provided by Wildlife Health:

- 1 x data form
- Heavy duty garbage bags (2 per animal)
- Ziplock bag
- 1 x paper envelope
- 2 x ID tags
- Scalpel blade
- Totes for carcass transport (Rubbermaid)
- Penetrating captive bolt (PCB) kit – includes:
 - Bolt unit
 - Blank cartridges

Procedures

General Safety

1. Form team at the beginning of the shift and designate members for tasks (ie. trapper, immobilizer, guard etc.)

2. Ensure the PPE is complete and use high-visibility vest when working in park.
3. In the event of a PPE tear or exposure, wash exposed skin immediately with water.
4. Do not eat, drink, smoke or remove PPE while working.
5. Practice good hand and exposed skin sanitizing or washing technique between glove changes, washroom breaks etc.
6. Avoid touching exposed skin, face, eyes, nose, and mouth while wearing PPE.
7. Maintain 2m physical distance from other people as possible.

Live Animal Sedation and Handling

1. When camera indicates a captured animal and team is mobilized, put on all required PPE
2. Team approaches trap to assess the condition of captured animal
3. Assess animal for ease of immobilization, if needed, may need to physically restrain the animal to allow sedative injection.
4. The worker designated as the immobilizer prepares sedative by mixing 2.7 mL of sterile water (provided) with $s^{.15}$ powder.
 - a. Shake vial well, may need to warm with hand. The powder must be completely dissolved before use.
 - b. Estimate age and weight of coyote – generally weights range from 10 to 20 kg
 - c. Dosage is 10+ mg/kg and the goal is deep sedation.
 - d. When dissolved use 1.5 mL for a small (juvenile) coyote or 3 mL for a large animal. This is approximate and may change with results and animal sizes.
 - e. Load pole syringe with dose and add needle and cover.
 - f. If animal is very submissive and still or is restrained effectively, deliver dose to large muscles of hindquarter and inject perpendicular to the muscle surface. Record time of injection.
 - g. Step away from the animal to allow sedation without disturbing the animal. The animal should be unconscious within 10 minutes. Expect a predictable effect from the drug with the animal becoming unaware and sitting within minutes of injection.
 - h. When unresponsive to sound or remote touch, assess the depth of sedation by using reflexes: open the mouth and pull the tongue out, pinch the toes for withdrawal and/or touch the skin near the eyelid for a blink reflex. If these reflexes are very slow or absent the animal can be moved.
 - i. Blindfold and gently place on handling blanket and into kennel and transport to works yard.
5. Transport sedated animal to works yard in a large dog crate. The animal should be in lateral or sternal recumbency.

Humane Euthanasia

1. On arrival at works yard, immobilizer must again assess the depth of sedation using the reflexes above. If the animal is still deeply sedated and unresponsive, prepare to euthanize.
 - a. If animal is not deeply sedated, give another 0.5 ml of $s^{.15}$ by hand injection if safe to do so and inject into a different large muscle than the first injection.
2. Place the animal on the ground in sternal recumbency with the head outstretched. The animal must be on the ground, not on concrete. Be prepared for some blood from the wound.
3. Remove the blindfold.

4. Euthanasia is accomplished by severe trauma to the brain from a metal bolt.
5. The team member responsible for the captive bolt will load the captive bolt unit with the blank charge. Then they will pull the end to cock and hold the unit directly against the skull, between the ears, slightly off centre so that the bolt does not sit over the sagittal crest of the skull and perpendicular to the skull, pointing vertically downwards. In a small animal, be prepared that the bolt may penetrate the entire head.
6. The end of the unit must be firmly against the head skin.
7. Squeeze the unit once, the bolt will penetrate through the skull and into the brain tissue.
8. Once fired there may be initial muscle movement but if the correct location was located the animal will be dead.
9. Death must be confirmed. Place the unit to the side and, using a headlamp, confirm death.
10. Again, the confirmation of death is critical – breathing is stopped, there is no vocalization, the eyes remain open and are glazed or glassy, there is no response to touching the surface of the eye (cornea) and the heart has stopped when death has occurred.
11. If there is doubt that the animal is dead, immediately repeat the above procedure.

Carcass Handling and Sampling – refer also to data form

1. Leave carcass intact except to remove a 1 x 1 cm piece of ear – see kit for instructions and WLH ID #. Place skin in paper envelope and hold at room temperature.
2. Complete data form and place in ziplock bag.
3. Hold ziplock bags with data forms separate from carcasses for submission to the Animal Health Centre.
4. Ensure the ziplock bags do not contact carcass bags or carcasses.
5. Place ID tag on carcass, place carcass in garbage bag, seal, place first bag into second garbage bag and seal with second ID tag.
6. **Please ensure the carcass and carcass bag are labelled with the same Wildlife Health ID Number (WLH ID).**
7. Place carcass in freezer.
8. Wash hands and clean all equipment, disposing of needles and other sharps in sharps container and other materials in garbage bags.

APPENDIX D

RECORD OF WILDLIFE HUNTED, TRAPPED OR KILLED

PERMIT SU21-639186

- The permit holder **MUST** maintain an accurate up-to-date record.
- The permit holder **MUST** submit the original copy of this record to FrontCounter BC, Ministry of Forests, Lands, Natural Resource Operations and Rural Development **within 21 days** of the permit's expiry or annually as indicated in "Appendix A – Terms of Permit – Reporting Requirements" of this permit.
- The permit holder must produce a copy of this record on the demand of an officer

*If more room is required, please use a sheet of blank paper

Common name of wildlife	Location where wildlife was taken	Date wildlife was hunted, trapped or killed	Sex and age class of wildlife	Bands or tags on wildlife	Description of all nests, dams or other structures destroyed or removed

Signature of Permit Holder

Date

FrontCounter BC
Ministry of Forests, Lands, Natural Resource Operations and Rural Development
Locations: <http://www.frontcounterbc.gov.bc.ca/locations/>