

**From:** [Krauskopf, Phillip FLNR:EX](#)  
**To:** [s.22](#)  
**Cc:** [Tyson Baker](#)  
**Subject:** Norman Lake - Unauthorized works  
**Date:** Thursday, May 14, 2020 2:23:00 PM

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s.22

Sorry for the delay in sending this e-mail.

I am sending you this e-mail as a summary of our conversation and site visit on April 24, 2020. I am also providing you with directions that must be followed.

Please note Tyson Baker (Regional District of Fraser Fort George - RDFFG) will have additional and/or similar requirements. The direction that I am providing below is only related to the remediation work that I am requiring under the Water Sustainability Act. Tyson will provide you with direction/guidance relating to bylaws and your development permit.

#### Context

In November of 2019 Natural Resource Officers received a complaint about unauthorized works in and about Norman Lake and a small unnamed stream. My office was notified. A site inspection was planned but it was cancelled due to snow. The decision was made to meet onsite and conduct an inspection in the Spring of 2020. The inspection occurred on April 24, 2020. The registered owners for the property, where works occurred (s.22) are s.22 and s.22

#### Onsite discussion and observations

- You did not apply for a Water Sustainability Act Change Approval. Lawfully, you need approval for the work that has occurred along the natural boundary of Norman Lake and the unnamed stream.
- You constructed a driveway, a culvert crossing, removed riparian vegetation and altered the stream bank and shoreline.
- My concerns are related to bare soils, the lack of sediment control, the undersized culver (recent failure/erosion) and absence of riparian vegetation.
- I asked you about your future plans for the site. You want to install a larger culvert and do some planting and stabilization work.
- You asked if you could re-bury the existing (undersized) culvert until a larger culvert could be installed. I informed you that was okay.

Please let me know if anything I have stated is not correct.

#### Directions

The changes made in and about Norman Lake and the unnamed stream had not been authorized under Section 11 of the Water Sustainability Act. At this stage, I am not going to be serving you with an Order but I am requiring that you apply for a Change Approval for works in and about a stream. The application is through FrontCounterBC and located at the following link:

<https://portal.nrs.gov.bc.ca/web/client/-/change-approval-for-work-in-and-about-a-stream> . Please notify me once you have applied. Authorization will not be retroactive for the work that has already been completed. It will however, based on your approved workplan, allow you to complete works. Please follow the prompts in the application and attach supplementary information if required.

Your workplan will need to address:

- Erosion and sediment control (e.g. site isolation and other sediment control measures)
- Protection of the stream bank(s) and lake shoreline
- A plan for re-establishing riparian vegetation
- Any additional work that you would like to complete
- Best management practices for using machinery near water
- A sketch is usually very helpful

You may find the following document useful when developing your workplan:

<https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/best-management-practices/iswstdsbpsmarch2004.pdf>

Please feel free to contact me if you have any questions

**Phillip Krauskopf**, P.Ag

Senior Licensed Authorizations Specialist – Water

Ministry of Forests, Lands, Natural Resource Operations & Rural Development

Omineca Region

Phone: 250.561-3441

Cellular: 250.961.9847

499 George Street

Prince George, BC, V2L 1R5

**From:** [Elwell, Sherri FLNR:EX](#)  
**To:** [Collier, Rebecca FLNR:EX](#)  
**Subject:** RE: Norman Lake - Unauthorized Works  
**Date:** Tuesday, July 7, 2020 12:28:13 PM

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Hi Rebecca,

I reviewed the documents you sent me regarding the approval on Norman Lake (to amend the unauthorized works completed). I've included some general comments below:

- There is no indication in the information provided whether the stream on the property is fish-bearing. It is indicated that a section of the stream may be isolated to complete the works, however there does not appear to be consideration/plan for an associated fish/amphibian salvage, if required.
- Proposed works along the stream channel sound quite extensive (i.e., slope adjustments, rip rap along entire length and berm construction). Has the entire stream channel on the property already been altered/disturbed? Rip rap used must be clean and free of sediment producing material. It is unclear in the plan how large the planted vegetated buffer around the stream is intended to be.
- Phillips email indicates the developed plan should address erosion and sediment control concerns. Aside from site isolation and revegetation there are no other ESC controls included in their plan. The site may benefit from other ESC controls to prevent sediment runoff into the lake until vegetation cover has been established. Having not seen the conditions of the site, I am unsure whether other measures would be appropriate.
- It sounds like there will be a fair amount of vegetation planting across the property. It is good to see that trees, shrubs and ground cover will be used in revegetation efforts.
  - Recommend any seed used be "certified" weed free to ensure invasive/weedy vegetation is not introduced to the site through revegetation efforts. Particularly as it sounds like there is a fair amount of exposed soil on the property.
  - Information regarding overall density of shrub/tree plantings is still lacking in the information provided. The comment indicating that trees and shrubs would be less than 1 m apart does suggest decent density.
  - Side note - *Ceanothus sanguineus* typically prefers mesic to dry conditions so may not thrive if planted in moist to wet areas on the property. Other shrubs listed are appropriate for riparian conditions.

Cheers,

Sherri

Sherri Elwell M.Sc. R.P.Bio.

Ecosystems Biologist

Landbase Stewardship | Omineca Region

Phone (250) 649-4367 | Email: [sherri.elwell@gov.bc.ca](mailto:sherri.elwell@gov.bc.ca) Ministry of Forests, Lands, Natural Resource Operations and Rural Development

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**From:** Collier, Rebecca FLNR:EX  
**Sent:** July 5, 2020 11:18 AM  
**To:** Elwell, Sherri FLNR:EX  
**Subject:** Norman Lake - Unauthorized Works  
**Importance:** High  
Hi Sherri,

First of, I am sorry for dragging my feet on this file, but I am hoping you get your eyes on it before I send it to decision this week. Secondly, I am sorry for asking you for a quick turn around on this...I have been distracted by all of the YRB stuff that this one slipped a bit!

I have attached an e-mail from Phillip to the applicant that gives you a bit of a background on the situation. Essentially, they did unauthorized works and now they are required to fix it under an Approval rather than an Order. They also require a development permit from RDFFG because they removed lake shore vegetation.

I have attached their application, site sketch, development permit application and an e-mail that provides more context on some questions I had.

Would you be able to review the proposed works and provide any comments or concerns you have? They are trying to complete the work within the instream window, hence the rush and my poor time management!

Thank you Sherri, give me a call if you need anything.

**Rebecca Collier, B.Sc., RPBio.**

Senior Authorizations Technologist - Water

Ministry of Forests, Lands, Natural Resource Operations and Rural Development

Omineca Region

Phone: 1-778-693-2775

5<sup>th</sup> Floor - 499 George Street

Prince George, BC V2L 1R5

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**From:** [Krauskopf, Phillip FLNR:EX](#)  
**To:** [Collier, Rebecca FLNR:EX](#)  
**Subject:** RE: [External] Fwd: Norman Lake Application  
**Date:** Wednesday, July 8, 2020 2:47:52 PM

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Accurate enough to proceed.

I did take a look at the culvert and stream upslope of the road. The culvert would be hanging during low flows but likely still fish passable. I did not tell them that the stream is non-fish bearing. In fact, it flows into Norman Lake so I am almost sure that fish are seasonally in it. Saying all of that, I have no doubt that this is an ephemeral stream. If timed correctly, works will likely be completed in the dry. If there is any flow, it will be very low and likely not suitable for fish in the stream anyways.

For ESC controls.... We had a short discussion on site about possibly using silt fencing and/or slope grading. I don't think it's a huge issue for this site. They will be seeding it right away and the soils looked to be well draining. I believe that they will also be installing logs near the waters edge for erosion protection. A little silt may end up in the lake.... but that's hard to avoid when conducting instream/near stream works.

Phillip

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**From:** Collier, Rebecca FLNR:EX  
**Sent:** July 8, 2020 2:22 PM  
**To:** Krauskopf, Phillip FLNR:EX  
**Subject:** FW: [External] Fwd: Norman Lake Application

Have a look at Sherri's comments and Curtis's responses if you don't mind.

I will include in the technical but just wanted to make sure they are quoting you correctly. Sherri is comfortable with me moving to decision if you don't have any concerns with their responses.

Rebecca

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**From:** Edgson, Curtis <[Curtis.Edgson@canforpulp.com](mailto:Curtis.Edgson@canforpulp.com)>  
**Sent:** July 8, 2020 1:48 PM  
**To:** Collier, Rebecca FLNR:EX <[Rebecca.Collier@gov.bc.ca](mailto:Rebecca.Collier@gov.bc.ca)>  
**Cc:** s.22  
**Subject:** RE: [External] Fwd: Norman Lake Application

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Hi Rebecca,

Please let us know if this answers your questions.

Thanks

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**From:** Collier, Rebecca FLNR:EX [<mailto:Rebecca.Collier@gov.bc.ca>]  
**Sent:** Wednesday, July 08, 2020 12:44 PM  
**To:** Edgson, Curtis <[Curtis.Edgson@canforpulp.com](mailto:Curtis.Edgson@canforpulp.com)>; s.22

s.22

**Subject:** RE: [External] Fwd: Norman Lake Application

Hi Curtis and s.22

I sent your application and proposed plan to our Ecosystems Biologist to review and below are a few concerns they had with the proposed plan. Could you review and get back to me when you can?

Once these concerns are addressed I will get the file to the Decision Maker.

- There is no indication in the information provided whether the stream on the property is fish-

bearing. It is indicated that a section of the stream may be isolated to complete the works, however there does not appear to be consideration/plan for an associated fish/amphibian salvage, if required. **This is not a fish bearing stream and Phillip took photos to this effect as the government culvert immediately upstream is elevated and not passable and the stream is known to dry up.**

- Phillips email indicates the developed plan should address erosion and sediment control concerns. Aside from site isolation and revegetation there are no other ESC controls included in their plan. The site may benefit from other ESC controls to prevent sediment runoff into the lake until vegetation cover has been established. Having not seen the conditions of the site, I am unsure whether other measures would be appropriate. **During site visit with Phillip all his recommendations were included in development plan and no other ESC controls were suggested. A combination of lawn (sod) will be laid across property above high water mark, followed by sand held back by strategically placed logs and the use of ¾ minus washed rock below sand to aid in overland water flow filtration drainage.**
- It sounds like there will be a fair amount of vegetation planting across the property. It is good to see that trees, shrubs and ground cover will be used in revegetation efforts.
  - Recommend any seed used be “certified” weed free to ensure invasive/weedy vegetation is not introduced to the site through revegetation efforts. Particularly as it sounds like there is a fair amount of exposed soil on the property. **Agree that any seed used will be certified weed free to ensure invasive/weedy vegetation is not inadvertently introduced.**
  - Information regarding overall density of shrub/tree plantings is still lacking in the information provided. The comment indicating that trees and shrubs would be less than 1 m apart does suggest decent density. **Depending on the species of tree in any given spot, consideration must be given to future root development, growth and competition. Where practicable spacing between trees will be infilled with native flora to establish immediate cover where sediment may be at risk of flowing into water over the stream banks.**

Thanks guys, talk soon!

**Rebecca Collier, B.Sc., RPBio.**

Senior Authorizations Technologist - Water

Ministry of Forests, Lands, Natural Resource Operations and Rural Development

Omineca Region

Phone: 1-778-693-2775

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Prince George, BC V2L 1R5

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**From:** Edgson, Curtis <[Curtis.Edgson@canforpulp.com](mailto:Curtis.Edgson@canforpulp.com)>

**Sent:** June 23, 2020 4:57 PM

**To:** Collier, Rebecca FLNR:EX <[Rebecca.Collier@gov.bc.ca](mailto:Rebecca.Collier@gov.bc.ca)>

**Cc:** s.22

**Subject:** RE: [External] Fwd: Norman Lake Application

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On behalf of s.22



Hi Rebecca, answers to your questions are highlighted in red.

Hi s.22

Thank you for submitting your Changes In and About a Stream application!

I am working through the application as Phillip will be the Decision Maker on the file. There is a bit more information needed before I can complete the technical component of the application:

- I believe that during the site visit it was discussed that the banks of the channel would need to be sloped appropriately. This wasn't included in the application and I wanted to confirm that this would be taking place. Yes the banks will be sloped at approximately 2:1 or flatter where natural materials are used for stabilization and slightly under where hard armoring (rip-rap) is utilized.
- Could you describe what type of deep rooting trees and grasses will be planted? Trees and grasses based on availability at time of permit approval will include a mixture with some of the following, *Populus balsamifera* ssp. *Trichocarpa*; *Alnus incana* ssp. *Tenuifolia*; *Salix* ssp; *Cornus stolonifera*, *C. sericea*; *Ceanothus sanguineus* (Pursh); *Rubus idaeus*; *Agropyron* ssp; *Festuca occidentalis* Hook and *Poa* ssp. What density will the trees be planted at and how far from the stream channel will they be planted? At top of bank <1m apart and disturbed areas on banks and areas adjacent to the stream heavily revegetated to protect from surface erosion. Any area free of rip rap from mean high water mark to top of bank will have live cuttings, live stakes, plugs or native vegetation transplanted.
- If there will be water in the channel during work, you will need to tell us how the work site will be isolated from the stream flow. If there is water in the channel prior to commencement of work, the upstream culvert on lot 72 will be blocked using a pig and clean water above will be pumped around work area back into downstream channel immediately below work area. Pumps and hose/pipe will be capable of handling the 1 in 10 year maximum daily flow for the period of construction.
- You mentioned that works will be completed using BMPs for machinery use near water, could you list out specifically which mitigation measures you will be implementing to reduce impact to the stream and the riparian area.
- Equipment used will be operated from top of bank.
- Work will only be undertaken during favourable weather with zero or low water conditions.
- Works will be completed as quickly as possible with same day completion of instream works
- Equipment and machinery will be in good operating condition, free of leaks, excess oil and grease.
- No equipment refueling within 30m of any watercourse or surface drainage.
- Spill containment kit readily accessible onsite.
- Embankment fill materials will not encroach on culvert inlet and outlet.
- Excavated material to be placed above high water mark in a stable area as far as possible from the channel and seeded with native vegetation
- Grade disturbed areas to a stable angle of repose after work is completed and revegetate these areas to prevent surface erosion and subsequent siltation of the stream.

Thank you s.22 let me know if you have any further questions.

**Rebecca Collier, B.Sc., RPBio.**

Senior Authorizations Technologist - Water

Ministry of Forests, Lands, Natural Resource Operations and Rural Development

**From:** s.22

**Sent:** Tuesday, June 23, 2020 11:26 AM

**To:** Edgson, Curtis <[Curtis.Edgson@canforpulp.com](mailto:Curtis.Edgson@canforpulp.com)>

**Subject:** [External] Fwd: Norman Lake Application

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Sent from my iPhone

Begin forwarded message:

**From:** s.22

**Date:** June 21, 2020 at 5:03:06 AM PDT

**To:** "Collier, Rebecca FLNR:EX" <[Rebecca.Collier@gov.bc.ca](mailto:Rebecca.Collier@gov.bc.ca)>

**Subject:** Re: Norman Lake Application

Ok Rebecca we will get back to you soon.

Sent from my iPhone

On Jun 19, 2020, at 10:32 AM, Collier, Rebecca FLNR:EX  
<[Rebecca.Collier@gov.bc.ca](mailto:Rebecca.Collier@gov.bc.ca)> wrote:

**Caution:** External Email

Hi s.22

Thank you for submitting your Changes In and About a Stream application!

I am working through the application as Phillip will be the Decision Maker on the file. There is a bit more information needed before I can complete the technical component of the application:

- I believe that during the site visit it was discussed that the banks of the channel would need to be sloped appropriately. This wasn't included in the application and I wanted to confirm that this would be taking place.
- Could you describe what type of deep rooting trees and grasses will be planted? What density will the trees be planted at and how far from the stream channel will they be planted?
- If there will be water in the channel during work, you will need to tell us how the work site will be isolated from the stream flow.
- You mentioned that works will be completed using BMPs for machinery use near water, could you list out specifically which mitigation measures you will be implementing to reduce impact to the stream and the riparian area.

Thank you s.22 , let me know if you have any further questions.



**Rebecca Collier, B.Sc., RPBio.**

Senior Authorizations Technologist - Water

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**VIOLATION  
 TICKET**

**AH00176497**

ISSUED TO:

**s.22**



**ROB GROUCHY**

LICENSED COMPLIANCE & ENFORCEMENT  
 OFFICER  
 OMINECA REGION

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EMAIL: [Robert.Grouchy@gov.bc.ca](mailto:Robert.Grouchy@gov.bc.ca)

Ministry of Forests, Lands and  
 Natural Resource Operations

**Natural Resource  
 Officer**

Compliance & Enforcement  
 Branch

THE ENFORCEMENT OFFICER BELIEVES THAT HE OR SHE HAS REASONABLE AND PROBABLE GROUNDS TO BELIEVE THAT THE ABOVE NAMED, AS:

☐ DRIVER ☐ CYCLIST ☐ OWNER (Per Section 83(2) of the Motor Vehicle Act)  
☐ PEDESTRIAN ☐ PASSENGER ☒ OTHER **Property Owner**  
 (24hr Clock)

ON OR ABOUT **2019 11 29** AT THE TIME OF **11:53**

ON **Prince George** IN THE PROVINCE OF BRITISH COLUMBIA

DID COMMIT THE OFFENCE(S) INDICATED, UNDER THE FOLLOWING ACT OR ITS REGULATIONS:  
☐ (MVA) MOTOR VEHICLE ACT ☐ (WLA) WILDLIFE ACT ☐ (LCA) LIQUOR CONTROL & LICENCING ACT  
☐ (MCA) MOTOR CARRIER ACT ☐ (FAA) FIREARM ACT ☐ (TCR) TRANSIT CONDUCT & SAFETY REGS.  
☐ (CTA) COMMERCIAL TRANSPORT ACT ☒ OTHER (SPECIFY) **Water Sustainability Act**

DESCRIPTION OF OFFENCE(S)	ACT / REGS	SECTION	* TICKETED AMOUNT
<b>Make change in ord about a stream without lawful authority</b>	<input checked="" type="checkbox"/> ACT <input type="checkbox"/> REGS	<b>106(2)(b)(i)</b>	<b>\$ 230</b>
	<input type="checkbox"/> ACT <input type="checkbox"/> REGS		\$
	<input type="checkbox"/> ACT <input type="checkbox"/> REGS		\$

\* THIS TICKETED AMOUNT CONSISTS OF THE FINE FOR THE ALLEGED OFFENCE AND A 15% VICTIM SURCHARGE LEVY.

INVOLVING THE VEHICLE BEARING LICENCE PLATE PROV. / STATE PLATE NUMBER NSC PUJ NSC NUMBER

REGISTERED OWNER NAME

VEHICLE MAKE TYPE COLOUR YEAR ACCIDENT Y / N

IF YOU WISH TO DISPUTE ANY ALLEGATIONS OR FINE AMOUNT ON THIS VIOLATION TICKET, YOU MAY DELIVER A NOTICE OF DISPUTE TO: **BC Provincial Court Registry, 250 George Street, Prince George, BC V2L 5S2**

OR MAIL OR DELIVER A NOTICE OF DISPUTE AS DESCRIBED ON THE REVERSE.

PROVINCIAL COURT HEARING LOCATION DATE OF SERVICE YYYY MM DD  
**Prince George, BC 2019/12/13**

ENF. OFFICER'S ORGANIZATION / DETACHMENT / LOCATION  
**NRO 9019 FLNRD / CEB / Vanderhoof, BC**

SHADED AREAS OF THIS TICKET ARE NOT PART OF THE OFFENCE CHARGED

ENFORCEMENT OFFICER'S SIGNATURE **(NRO 9019)**

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ALLEGED OFFENDER'S SIGNATURE

**VT ADMIN**



BRITISH  
COLUMBIA

Offence Act

CERTIFICATE OF SERVICE

s.22

I, Rob Grouchy s.22  
(name)

Natural Resource Officer  
(occupation) s.22

s.22

s.22

certify that on the date

s.22

2019

12

13

s.22 s.22

I served

with a copy of the Violation Ticket on the reverse side of this form, in the manner indicated below s.22

s.22



by delivering it to him / her personally;

s.22



the defendant being a corporation, but not being a municipal corporation, by s.22  
delivering it to a director, or to a manager, secretary or other executive officer of the  
corporation or of a branch of it or on the attorney of an extra-provincial company,  
s.22

namely:

Dated:

YYYY	MM	DD
SAME AS DATE OF SERVICE		

[Signature] (NR 9019)  
ENFORCEMENT OFFICER'S SIGNATURE

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