

From: Cameron, Graham FLNR:EX
To: "jonathan.mitchell@bchydro.com"
Cc: Mitchell, John; Shaun Korman; Mitchell, Kaela FLNR:EX
Subject: Falling near power lines
Date: Monday, March 26, 2018 1:08:19 PM
Attachments: image001.png

Hi Jonathan,

After speaking with John on site today, I am looking for a document to provide guidance regarding falling around power lines which was referenced in the previous guidance document. Could you please send that our way?

Additionally, I wanted to give you a heads up that we have identified a number of danger trees within the hydro corridor down on the Ripple Rock Trail just outside of Campbell River. There are a number of decadent alders which will require removal so I just wanted to put it onto your radar.

Happy to speak further with you regarding either.

Thanks!

Graham Cameron

District Recreation Officer
Discovery Coast District
Ministry of Forests, Lands
and Natural Resource Operations
Campbell River, BC
Office: 250-286-9422
Fax: 250-286-9490
<http://www.sitesandtrailsbc.ca/>
cid:134391017@09032015-1BBE



From: [Cameron, Graham FLNR:EX](#)
To: ["jrcontracting@telus.net"](mailto:jrcontracting@telus.net)
Cc: ["Shaun Korman"; Mitchell, Kaela FLNR:EX](#)
Subject: FW: Falling near power lines
Date: Monday, March 26, 2018 1:40:25 PM
Attachments: [image001.png](#)
[MOF 17075 Logging Info Frm.pdf](#)

Hi JR,

As requested, here is the Logging near lines prework doc. Please see below comments from Jonathan and return the completed form to him at jonathan.mitchell@bchydro.com. Please also CC Shaun and I a copy for our files.

Thanks!

Graham Cameron

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From: Mitchell, Jonathan [<mailto:jonathan.mitchell@bchydro.com>]

Sent: Monday, March 26, 2018 1:30 PM

To: Cameron, Graham FLNR:EX

Cc: Mitchell, John; Shaun Korman; Mitchell, Kaela FLNR:EX

Subject: RE: Falling near power lines

Logging prework attached. Please fill in the highlighted info. Be sure to delete the red script & highlighting 1st. After scan & return to me.

As I have checked the box that trees can fall into limits of approach this project will require a Certified Utility Arborist holding an Assurance of No reclose on the circuit designated in the info form. Once you have procured the services of a CUA let me know the name of the CUA & the dates of the work so I can arrange the AnR. Also at this time I will talk with the CUA regarding what work needs to be carried out in terms of remedial work to safe guard the circuit.

For the Ripple Rock are please contact our Distribution Coordinator Jesse Rand @ (250) 286-8708 or (250) 287-0185.

If you have any questions please call.

Jonathan Mitchell | Veg Coord Transmission

P 250-897-7408

M 250-203-1733

E jonathan.mitchell@bchydro.com

From: Cameron, Graham FLNR:EX [<mailto:Graham.Cameron@gov.bc.ca>]

Sent: 2018, March 26 1:08 PM

To: Mitchell, Jonathan

Cc: Mitchell, John; Shaun Korman; Mitchell, Kaela FLNR:EX

Subject: Falling near power lines

Hi Jonathan,

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LOGGING NEAR POWERLINES EMERGENCY CONTACT FORM

Emergency number in event of electrical contact: 911

Circuit Number (s): <u>1L121</u>	General Limits of Approach Voltage Phase to Phase Minimum Distance Metres Feet Over 750 V to 75 kV 3 10 Over 75 kV to 250 kV 4.5 15 Over 250 kV to 550 kV 6 20
Structure : <u>3/1</u> to Structure <u>3/2</u>	
Voltage: <u>138kv</u>	
General Limits of Approach - Minimum Distance: <u>138kv 4.5m or 15'</u>	
Distribution Under build / Adjacent Circuit: <u>2L154</u>	

BC Hydro – Local Contact Information			
Title:	Name:	Office:	Mobile:
NVI Veg Coord	Jonathan Mitchell	250-897-7408	250-203-1733
VI TVeg Manager	Ray Read	250-755-4741	250-741-7766
VI T Lines Manager	Marek Smusz	250-755-4708	604-240-2163

Logging Operator Name : <u>Contractor building road</u>	Land Owner / Forest Licensee: <u>Crown</u>
Logging Supervisor: <u>Contractor onsite supervisor</u>	BC Forest Safe Certification No: <u>Contractor BCSC #</u>
Emergency Contact Number : <u>Onsite supervisor contact #</u>	Cutting Permit / Block No: <u>17075 IFC</u>
Office Contact Number : <u>250-286-9422</u>	Location/ Road : <u>ERT>Miller Creek Rec Site Access</u>
Owner / Licensee Contact : <u>Graham Cameron</u>	Proposed Logging Dates: _____

Site Conditions & Stand Description

<input type="checkbox"/> Trees or parts of trees are within General limits of approach (LOA):
<input checked="" type="checkbox"/> Trees or parts of trees may fall within LOA or may fall and damage electrical structures or guywires
Note: Only a Certified Utility Arborist or Qualified Electrical Worker who is authorized by the owner of the power system to do such work can fall, remove, top or prune trees/vegetation that is within the minimum distance for General Limits of approach (LOA) . Trees that are not within limits of approach but may fall within minimum limits of approach or hit electrical equipment must be felled in a manner approved by WorksafeBC.

An inspection has been completed to identify any hazardous areas, including situations where any part of a tree to be pruned or felled is within the applicable minimum distance from an energized conductor as specified in (General Limits of Approach, Table 19-1A) or may fall within that distance.

Logging Contractor - Representative	Date:
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BC Hydro - Electrical Utility - Representative	Date: Mar 26/18
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All contacts, incidents, close calls damage involving electrical infrastructure must be immediately reported to a BC Hydro Representative

From: Mitchell, Jonathan
To: Cameron, Graham FLNR:EX
Cc: Mitchell, John; Shaun Korman; Mitchell, Kaela FLNR:EX
Subject: RE: Falling near power lines
Date: Monday, March 26, 2018 1:30:02 PM
Attachments: image001.png
MOF 17075 Logging Info Frm.pdf

Logging prework attached. Please fill in the highlighted info. Be sure to delete the red script & highlighting 1st. After scan & return to me.

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Ripple Rock Recreation Trail (REC0472) Incident on July 17, 2018.

The below information was obtained through an informal inspection of the Ripple Rock Trail following the death of a hiker that occurred on the trail on July 17, 2018. The trail is located approximately 16km North of Campbell River, BC. I have recorded as close to chronologically as I can throughout the day on July 18, 2018 from the time I was notified of the fatality until I returned to the office.

0645: Notified of fatality

0730: Arrived at office and reviewed dates of last site visits and documentation.

0835: Notified Dawn Makarowski of Government Communication and Public Engagement (GCPE) via phone

0840 notified supervisor Robert van der Zalm (Regional Manager Coast)

0915: provided map of area via email to GCPE.

0920: Visited RCMP detachment and spoke with Corporal Rocky Price #42792 who provided information – Constable Sanchez attended the scene; incident occurred at approximately 13:06; call for medical aid and RCMP dispatch at approx. 14:40; located approximately 200m from 4km mark on the trail; a snag fell and struck a hiker who was walking past; upon arrival at site by emergency services, the incident was deemed to be a body recovery and Canadian Coast Guard attended to facilitate; trail was not closed as the RCMP saw no risk to the public; the RCMP investigation is complete.

1100: Travelled to Ripple Rock Trail to locate site of incident and conduct visual inspection of trail, danger trees, and assess hazard to public

1200: Arrived and began my trail inspection.

1215: Met media on the trail who provided additional information

1255: located probable site of the incident; an alder tree is identified laying parallel and upslope of the trail which shows recent signs of falling; the top of the tree was on the opposite side of the trail and was confirmed to have been moved from the centre of the trail by a passing group of hikers I spoke with. A slight curve is noted in the stem and it appears as though when the tree fell, the majority landed off the trail, however the upper portion landed across the trail and struck the deceased. Inspection of the stem shows sound, hard wood and a diameter at breast height of approximately 14", and approximately 15m tall; the alder was dead at the time it fell; the failure occurred at the roots of the tree which appeared to partially let go of the sub-surface material which was keeping it standing and partially fracture some supporting roots; stand survey shows many standing alder snags with sound wood and rooting structures which is typical for this forest type and microsite.

The location of the incident was on a lower switchback in a steep draw between two knobs (N50° 07.866 X W125° 21.781, elevation 26m ASL). Wind speed in Campbell River at 13:00 on July 17, 2018 according to <https://www.timeanddate.com/weather/canada/campbell-river/historic> was Easterly, 13 km/h with passing clouds and 26 degrees Celcius, 45% RH. Local topographical features could have influenced the direction and speed of the relative wind speeds on site, however there have been no reports of gusty conditions at that location to date.

1345: completed hiking remainder of the trail and confirmed the location inspected is the probable location of the fatality

1346: Found cell reception and contacted Dawn at GCPE providing and update with findings and determination the trail is safe for users

1359: Contacted Rob van der Zalm and provided an update with findings and determination the trail is safe for users

Additional notes:

- Our last assessment of this trail was done at the end of March, 2018 at which point the trail was walked and an inspection of infrastructure and danger trees was conducted.
- The most recent falling which occurred on the trail was in 2016 during trail and bridge upgrades.
- Danger Trees under the Parks and Rec Standards for Danger Tree Assessment identify non-motorized travel (walking, cycling, hiking, horseback riding) Level of Disturbance (LOD) as Very Low Risk (VLR) and provide an example as hiking trails (eg Backcountry Trails). Areas which attract longer exposure times (eg lookouts, viewpoints, rest stops, etc) are intended to be assessed to LOD 1
- Ripple Rock Trail is very high use, frequented by children and the elderly, and in close proximity to the community of Campbell River. For those reasons, I assess to a higher level of disturbance as children and the elderly tend to physically interact with the environment (eg children pushing over dead trees, elderly using branches and stems for support while hiking up steep trails, etc). Ripple Rock Trail is assessed to LOD 1 and the lookouts and picnic areas are assessed to LOD 2 at a minimum when we conduct our reviews.
- A formal danger tree assessment is conducted on the Ripple Rock Trail every 2-3 years; informal assessments of the trail and associated infrastructure occur annually. If a major weather event, such as high winds or heavy snowpack occurs, this will also trigger a need for an additional, informal assessment for public safety.
- The fallen stem is still located adjacent to the trail, however the trail is clear from obstruction and there is no apparent evidence to identify the site as the location of the incident.

Attachments: Photos taken from the location of the incident and Google Map showing its approximate location:

Graham Cameron

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Recreation Sites
and Trails BC

Ripple Rock Map

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Root ball with sun glasses for scale. Some broken roots and lifted material. Ground felt extremely dry



Middle of stem adjacent to trail and a piece of the top



Upper middle portion of stem on left, top of stem on the right of trail which had been moved by hikers



Looking across slope from the location the tree crossed the trail. A portion of this stem appears to have been moved to the side from the middle of the trail



View from the root ball showing canopy closure and over-story stems



View looking down the trail towards the location of the incident to capture forest type and adjacent sound, standing snags