

Untitled.msg

From: Kelly.Sather@gov.bc.ca, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
:
To: Lisa Matthaus <lisa@organizingforchange.org>, Rachel Holt <rachel@veridianecological.ca>, gmerkel@gmerkel.com, pricedau@telus.net, rholt@netidea.com
Sent: June 21, 2021 6:06:56 PM PDT

Sent from my iPhone

Technical panel check in with Minister Heyman (13).msg

From: Sather, Kelly s.15
s.15

To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, Renneberg, Tim AFF:EX <Tim.Renneberg@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>

Sent: June 21, 2021 6:18:03 PM PDT

Received: June 21, 2021 6:18:04 PM PDT

Priority: Normal (5)

Calendar Item Type: REQUEST

Sending to get in to calendars now. Link and dial in details to follow tomorrow.

Technical panel check in with Minister Heyman .msg

From: Sather, Kelly ENV:EX s.15
s.15

To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, Renneberg, Tim AFF:EX <Tim.Renneberg@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>

Sent: June 21, 2021 6:18:03 PM PDT

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Priority: Normal (5)

Calendar Item Type: REQUEST

Sending to get in to calendars now. Link and dial in details to follow tomorrow.

RE: Technical panel check in with Minister Heyman

From: Muter, David FLNR:EX <David.Muter@gov.bc.ca>
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>, Renneberg, Tim FLNR:EX <Tim.Renneberg@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Renneberg, Tim AFF:EX <Tim.Renneberg@gov.bc.ca>
Sent: June 22, 2021 7:59:31 AM PDT

Hi Kelly,

I cant make it at this time. Could you please invite Brian to cover in my place.

Thanks

D

-----Original Appointment-----

From: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>

Sent: June 21, 2021 6:18 PM

To: Sather, Kelly ENV:EX; Manwaring, Richard G FLNR:EX; Muter, David FLNR:EX; Renneberg, Tim FLNR:EX; Jardine, Kevin ENV:EX; Mack, James ENV:EX

Subject: Technical panel check in with Minister Heyman

When: June 22, 2021 1:30 PM-2:00 PM Customized Time Zone.

Where: Link to follow

Sending to get in to calendars now. Link and dial in details to follow tomorrow.

RE: Connecting tomorrow

From: DaveDaust KarenPrice <pricedau@telus.net>
To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>, Garry Merkel <s.22>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Lisa Matthaus <lisa@organizingforchange.org>, Rachel Holt <rachel@veridianecological.ca>, rholt@netidea.com
Sent: June 22, 2021 1:29:03 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi Alyssa,
We seem unable to connect through the link.
Thanks, Karen and Dave

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Sent: June 22, 2021 8:43 AM
To: Garry Merkel <gmerkel@gmerkel.com>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Lisa Matthaus <lisa@organizingforchange.org>; Rachel Holt <rachel@veridianecological.ca>; pricedau@telus.net; rholt@netidea.com
Subject: RE: Connecting tomorrow

Good morning all,
Please find below a Microsoft Teams link and corresponding teleconference line for this afternoon at 1:30 PM.
Microsoft Teams meeting: [Click here to join the meeting](#)
Or call in (audio only): \pm ^{s.15}

Thank you,

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
(778) 974-6047 | Alyssa.Hrenyk@gov.bc.ca

From: Garry Merkel <gmerkel@gmerkel.com>
Sent: June 21, 2021 7:44 PM
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Lisa Matthaus <lisa@organizingforchange.org>; Rachel Holt <rachel@veridianecological.ca>; pricedau@telus.net; rholt@netidea.com; Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: Re: Connecting tomorrow

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I've been out of contact today but will come on for maybe 15 minutes tomorrow. This overlaps another call that I have to chair.

On Jun 21, 2021, at 19:14, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca> wrote:
Hello everyone -

I know James Mack sent around some time options for a short check in with Minister Heyman tomorrow.

I am proposing tomorrow, Tuesday June 22, at 1:30 PM for a meeting via MS Teams or phone. Alyssa, copied here, will send around dial in details and a link in the morning.

James, and David from FLNRD, will also be in attendance.

Thank you,
Kelly
s.17; s.22

Garry Merkel
250-427-0460

Intolerance betrays a lack of faith in one's cause

RE: Connecting tomorrow

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: DaveDaust KarenPrice <pricedau@telus.net>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Garry Merkel <gmerkel@gmerkel.com>
Cc: Rachel Holt <rachel@veridianecological.ca>, rholt@netidea.com, Lisa Matthaus <lisa@organizingforchange.org>
Sent: June 22, 2021 1:31:08 PM PDT

This teleconference line will also connect you to the meeting – are you able to dial it by phone?

Or call in (audio only): +s.15

s.15

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
s.17; s.22 | Alyssa.Hrenyk@gov.bc.ca

From: DaveDaust KarenPrice <pricedau@telus.net>
Sent: June 22, 2021 1:29 PM
To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>; Garry Merkel <gmerkel@gmerkel.com>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
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To: Garry Merkel <gmerkel@gmerkel.com>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
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s.17; s.22 | Alyssa.Hrenyk@gov.bc.ca

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rholt@netidea.com; Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
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Kelly
s.17; s.22

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

RE: Connecting tomorrow

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: DaveDaust KarenPrice <pricedau@telus.net>
Sent: June 22, 2021 2:33:14 PM PDT

Hi Karen,

Hmm I'm not sure what issue that might be. It looks like Microsoft Teams has a "Troubleshoot" page on their website that might offer some insights:

<https://support.microsoft.com/en-us/office/troubleshoot-6fa7c08a-6fd4-47a0-b275-90a5f60f1df9?ui=en-US&rs=en-US&ad=US>

I hope that helps!

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
s.17; s.22 | Alyssa.Hrenyk@gov.bc.ca

From: DaveDaust KarenPrice <pricedau@telus.net>
Sent: June 22, 2021 2:07 PM
To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: RE: Connecting tomorrow

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi Alyssa,

We managed to dial in by phone, but I'm wondering if there's anything you could check for future meetings? It gave us the connecting "bing" and then a message saying could not connect. And it wasn't a bandwidth issue. Could be something random!

Thanks, Karen

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Sent: June 22, 2021 1:31 PM
To: DaveDaust KarenPrice <pricedau@telus.net>; Garry Merkel <gmerkel@gmerkel.com>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Lisa Matthauss <lisa@organizingforchange.org>; Rachel Holt <rachel@veridianecological.ca>; rholt@netidea.com
Subject: RE: Connecting tomorrow
This teleconference line will also connect you to the meeting – are you able to dial it by phone?
Or call in (audio only): [+1.250.333.1515](tel:+12503331515)

s.15

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
s.17; s.22 | Alyssa.Hrenyk@gov.bc.ca

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To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>; Garry Merkel <gmerkel@gmerkel.com>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Lisa Matthauss <lisa@organizingforchange.org>; Rachel Holt <rachel@veridianecological.ca>; rholt@netidea.com
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Sent: June 22, 2021 8:43 AM

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Cc: Lisa Matthaus <lisa@organizingforchange.org>; Rachel Holt <rachel@veridianecological.ca>; pricedau@telus.net; rholt@netidea.com

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Or call in (audio only): \pm s.15

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Alyssa Hrenyk

Administrative Coordinator to

The Honourable George Heyman,

Minister of Environment and Climate Change Strategy

and Minister Responsible for TransLink

s.17; s.22

| Alyssa.Hrenyk@gov.bc.ca

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Sent: June 21, 2021 7:44 PM

To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>

Cc: Lisa Matthaus <lisa@organizingforchange.org>; Rachel Holt <rachel@veridianecological.ca>; pricedau@telus.net; rholt@netidea.com; Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>

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Thank you,

Kelly

s.17; s.22

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

RE: Connecting today

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Lisa Matthaus <lisa@organizingforchange.org>
Sent: June 23, 2021 10:49:11 AM PDT

Hi Lisa,

Assuming that 12:45pm today works for you, here is the conference line to connect with the Minister:

s.15 | Participant: s.15

Thanks!

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
(778) 974-6047 | Alyssa.Hrenyk@gov.bc.ca

From: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: June 23, 2021 10:44 AM
To: 'Lisa Matthaus' <lisa@organizingforchange.org>
Cc: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: RE: Connecting today

Let's do 12:45 then?

From: Lisa Matthaus <lisa@organizingforchange.org>
Sent: June 23, 2021 10:39 AM
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: Re: Connecting today

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Any chance we could make it a bit later? I'm in a meeting with a number of people and I'm slated to speak to a topic right around then. The meeting is over at noon, and the rest of the day is flexible for me.

Lisa

On Wed., Jun. 23, 2021, 10:25 a.m. Sather, Kelly ENV:EX, <Kelly.Sather@gov.bc.ca> wrote:

Hi Lisa -

Minister is wondering if you have time at 11 to connect with him by phone, just for about 15 min. If that works then Alyssa will send dial in.

Thank you,
Kelly

FW: Old-growth economic report - published tomorrow

From : lisa@organizingforchange.org
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Renneberg, Tim FLNR:EX <Tim.Renneberg@gov.bc.ca>, Renneberg, Tim AFF:EX <Tim.Renneberg@gov.bc.ca>
Cc: Andrea Inness <andrea@ancientforestalliance.org>
Sent: June 23, 2021 1:17:43 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, Kelly and Tim – I wanted to pass along this heads up from the Ancient Forest Alliance. They're releasing a report tomorrow that shows the economic benefits of protecting old growth – see Andrea's summary below. Please contact Andrea directly if you have any questions about the release in advance. I'm assuming it's a morning release; Andrea, correct me if I'm wrong.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

From: Andrea Inness <andrea@ancientforestalliance.org>
Sent: June 23, 2021 1:02 PM
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Cc: Lisa Matthaus <lisa@organizingforchange.org>; TJ Watt <tj@ancientforestalliance.org>
Subject: Old-growth economic report - published tomorrow

Hi David,

I'm writing to give you a heads up on a new report on the economic value of old-growth forests that the Ancient Forest Alliance is releasing tomorrow.

The report, which involves a cost-benefit analysis of standing old-growth using Port Renfrew as a case study, reveals that, when taking ecosystem services into account (including carbon storage and sequestration, tourism, recreation, salmon habitat, non-timber forest products, etc.) old-growth forests are worth more to society standing than logged. The analysis was completed by a Vancouver-based environmental consulting firm and co-authored by Duncan Knowler, an economist at SFU.

This is the first study of its kind on Vancouver Island and is a striking example of how the province's failure to account for the economic benefits from non-timber values in forest management decision-making helps justify old-growth logging and actually costs British Columbians more economically. I hope provincial staff will take the time to understand the report's significance and that it will add value to our ongoing discussions around old-growth management in BC.

Please let me know if you have any questions.

Andrea

--

Andrea Inness | Forest Campaigner
Ancient Forest Alliance
Pronouns: she/her
Email: andrea@ancientforestalliance.org
Cell: (778) 953-5983



[Website](#) | [Facebook](#) | [Instagram](#) | [YouTube](#) | [Donate](#)

This email is most likely being sent from the ancestral, unceded territories of the xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh (Squamish), Səlílwətaʔ/Selilwitulh (Tseil-Waututh), kʷikʷələm (Kwikwetlem), qiqéyt (Qayqayt), and S'ólh Téméxw (Stó:lō) First Nations. That said, I have the privilege to spend my time traveling through traditional territories of the many sovereign Nations that have been a part of these lands and waters since time immemorial.

From: lisa@organizingforchange.org <lisa@organizingforchange.org>

Sent: June 24, 2021 9:06 AM

To: 'Karen Price' s.22 ; 'Rachel Holt' <rachel@veridianecological.ca>; 'Muter, David FLNR:EX' <David.Muter@gov.bc.ca>; 'Mack, James ENV:EX' <James.Mack@gov.bc.ca>; 'gmerkel@telus.net' <gmerkel@telus.net>; 'Dave and Karen' <pricedau@telus.net>; 'Bawtinheimer, Brian FLNR:EX' <Brian.Bawtinheimer@gov.bc.ca>

Subject: FW: MEDIA RELEASE w/ PHOTOS, VIDEO: New study reveals old-growth forests are worth more to BC economy standing than logged

Hi, all - see release below from Ancient Forest Alliance re an economic study they commissioned of the full value of old growth looking specifically at the Prince Rupert area:

Nutshell message:

Copyright

We don't want to take up time on our call this morning to talk about this, but my recommendation is that if this report comes up in any media you get today, say something along the lines of having not yet read/seen the report; our work focuses on the ecological importance of OG, and both of these efforts reinforce how important it is to do this work and get it right.... Or whatever you feel comfortable saying about it.

Lisa

Lisa Matthaus

Provincial Lead

Organizing for Change

~ *Priorities for Environmental Leadership* ~

250-888-5194 (c)

From: Ancient Forest Alliance <info@ancientforestalliance.org>

Sent: June 24, 2021 8:52 AM

To: lisa@organizingforchange.org

Subject: Fwd: MEDIA RELEASE w/ PHOTOS, VIDEO: New study reveals old-growth forests are worth more to BC economy standing than logged

----- Forwarded message -----

From: Ancient Forest Alliance <info@ancientforestalliance.org>

Date: Thu, Jun 24, 2021 at 7:15 AM

Subject: MEDIA RELEASE w/ PHOTOS, VIDEO: New study reveals old-growth forests are worth more to BC economy standing than logged

To: Ancient Forest Alliance <info@ancientforestalliance.org>

For immediate release

June 24, 2021

New study reveals old-growth forests are worth more to BC economy standing than logged

News media are free to edit and use these **video** clips from the Ancient Forest Alliance:

1. Port Renfrew Old-Growth: <https://ln4.sync.com/dl/fedeeca00/xgi8m2q5-audn7daq-mxutp767-s2ifd4mb>
2. Eden Grove: <https://ln4.sync.com/dl/24a21e750/r4h6in3v-bf2aeezr-65d74pk4-f4kdkb8g>
3. Old-growth logging: <https://ln4.sync.com/dl/104c508e0/x5ffmwkp-6c2cd82b-5uueprkp-2z9c3ghi>

Photos: Captions for attached photos are below based on file names. Media are free to reprint images. Credit to "TJ Watt" when possible.

1. Tourists visit the giant trees of Avatar Grove near Port Renfrew, BC in Pacheedaht territory. 'Big Tree Tourism' has seen a dramatic rise in the town over the past decade, giving the local economy a major economic boost.
2. Tourists visit the giant trees of Avatar Grove near Port Renfrew, BC in Pacheedaht territory. 'Big Tree Tourism' has seen a dramatic rise in the town over the past decade, giving the local economy a major economic boost.
3. TJ Watt of the Ancient Forest Alliance stands beside a giant redcedar tree in the unprotected Eden Grove near Port Renfrew, BC in Pacheedaht territory. A new report shows that old-growth stands such as these are worth more to society when left standing than when logged.
4. A new economic study published by the Ancient Forest Alliance reveals that old-growth forests' carbon storage and sequestration, recreation, tourism, and other values provide significant economic benefits to society.
5. An aerial view of the town of Port Renfrew, BC in Pacheedaht territory. 'Big Tree Tourism' has seen a dramatic rise here over the past decade, giving the local economy a major economic boost.

Victoria/unceded Lekwungen territories, BC - BC's old-growth forests contribute far more economic benefit to society when kept standing, according to a new independent study released today by the Ancient Forest Alliance. The study, conducted by environmental consulting firm ESSA Technologies, compares ecosystem services including carbon storage/sequestration, recreation, tourism, coho salmon habitat, non-timber forest products like floral greenery and mushrooms, and research/education opportunities to timber harvest and concludes that society is better off when old-growth forests are protected rather than logged.

- Read the full report: <https://www.ancientforestalliance.org/old-growth-economic-report/>

Using old-growth forests located in Pacheedaht and Ditidaht territories near Port Renfrew – where independent protesters have been blockading old-growth logging for ten months – as a case study, the analysis is the first of its kind on Vancouver Island and provides a striking example of the tremendous economic benefits should the province fulfil its commitment to protect old-growth forests.

The study uses computer modelling, provincial forest harvest data, and both market and non-market values for ecosystem services to compare the net benefits of protecting old-growth forests across 17 different scenarios ranging from minimal (30%) to full (100%) old-growth protection.

The analysis shows society would be better off under all 17 old-growth protection scenarios, with the main economic drivers being carbon storage/sequestration (which reduces the significant costs of mitigating climate change), tourism, and recreation.

For example, protecting all old-growth forests in the study area would contribute an additional \$40 million in net economic benefits over the next 100 years compared to business as usual, more than making up for the economic

losses from forgone timber harvest. Forest carbon emissions would be reduced by 569,250 tonnes of carbon and tourism and recreation alone would contribute almost \$11 million in net benefits to society.

Because the study is based on only a portion of harvestable old-growth near Port Renfrew and isn't inclusive of all ecosystem services, like cultural values, the study's findings are *underestimates* of the true value of standing old-growth. Nevertheless, they present a strong economic case for keeping old-growth forests standing.

A secondary analysis was also done to assess the impact to the provincial economy of old-growth protection in the area by comparing the effects of the 17 scenarios on GDP and jobs from timber harvest and tourism. Results show that, if all old-growth forests were protected in the study area, tourism alone would nearly make up for any losses from not harvesting by adding an equivalent number of jobs and covering 66% of the losses to GDP. While not considered in the study, local benefits of old-growth protection from additional revenue streams like carbon offsets, sustainable fisheries, and value-added wood manufacturing could also increase.

With the NDP government having committed to implementing all of the Old Growth Strategic Review Panel's recommendations and overhauling BC's forest policies, there is a critical window of opportunity for the province to begin to manage old-growth forests in a way that benefits all British Columbians, not just special interests.

The Ancient Forest Alliance is calling on the province to immediately halt logging in BC's most at-risk old-growth forests and commit significant funding for First Nations' sustainable economic development, as an alternative to old-growth logging, and Indigenous protected areas that conserve old-growth forests.

QUOTES:

Walt Judas, CEO, Tourism Industry Association of BC – Copyright

Copyright

Scott Benton, Executive Director, Wilderness Tourism Association of BC – Copyright

Copyright

Karl Ablack, President, Port Renfrew Chamber of Commerce. In 2016 the Port Renfrew Chamber of Commerce put forth a resolution to the BC Chamber to support the protection of old growth forests in areas where these forests had greater tourism value left standing. This resolution was unanimously adopted. – Copyright

Copyright

Jim Pojar, Ph.D., R.P.Bio., forest ecologist – Copyright

Copyright

Duncan Knowler, report co-author, Simon Fraser University associate professor – Copyright

Copyright

Andrea Inness, Campaigner, Ancient Forest Alliance – Copyright

Copyright

TJ Watt, Campaigner and Photographer, Ancient Forest Alliance – Copyright

Copyright

For interviews, contact:

Andrea Inness, Campaigner, Ancient Forest Alliance

Ph: 778-953-5983

Email: andrea@ancientforestalliance.org

TJ Watt, Campaigner and Photographer, Ancient Forest Alliance

Ph: 250-888-5405

Email: TJ@ancientforestalliance.org

RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 14, 2021 9:12:45 AM PDT

Hey Lisa,

Just confirming after our conversation that MGH is available the week of July 26 for this. He is available:

- Mon July 26, anytime
- Tues July 27, 2:00 PM onwards
- Thurs July 29, anytime

He has a few holds on July 28 for events/speaking, so it's possible that day will work too, I just won't know for a day or two.

Thanks Lisa!
Alyssa

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 12, 2021 3:10 PM
To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hello,

Let me know if MGH has any 45 minute windows August 9th onward to accommodate a joint meeting with MKC and the OG Technical panel.

Thank you,
Lisa

Hello, I've been asked to set up a meeting with Ministers Conroy and Heyman and the Old Growth Technical Advisory Panel members (Garry Merkel, Rachel Holt, Dave Daust, Karen Price, Lisa Matthauss).

I have all email addresses for panel members and can provide for when meeting is set up. The preferred method is Zoom – unfortunately RSD does not have a zoom account. Lisa M and Dave Daust both have zoom accounts if needed.

Meeting Request for Minister Conroy	
Request for Minister	Conroy and Heyman
Meeting Requested by	David
Meeting Topic	Old Growth Technical Advisory Panel
Preferred Date/Time of meeting	See above
Timing Implications/Urgency	Government commitment to make a decision about deferral this summer
Meeting Duration	30 – 45 minutes

In person / virtual	virtual
Staff Attendees: Y/N/Who	David Muter (FLNR) Brian Bawtinheimer (FLNR) DM (FLNR) up to Rick if he wants to attend James Mack (ENV) DM (ENV) up to Kevin Jardine if he wants to attend
Materials: Y/N?	Y
DM pre-brief required: Y/N?	Y – request for a 30 minute pre-brief – preferably not on the day of meeting but ideally the day before
Cliff Log # -	TBC
eApprovals # - if required	TBC

Please and thank you

Brenda Larkin || Executive Administrative Assistant
Resource Stewardship Division
Assistant Deputy Minister's Office
Ministry of Forests, Lands, Natural Resource Operations and Rural Development
Ph: 236-478-1764

RE: Updates on old growth

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>
Sent: July 20, 2021 2:27:15 PM PDT
Attachments: image001.png

LOL I meant 9:30-9:55...

From: Hrenyk, Alyssa ENV:EX
Sent: July 20, 2021 2:27 PM
To: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>
Subject: RE: Updates on old growth

Okay let's go with 9:00-9:25 tomorrow.

Thanks!
Alyssa

From: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>
Sent: July 20, 2021 2:24 PM
To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: RE: Updates on old growth

He has a call lined up with Marcia at Teck that cant be moved at 9AM.

Kellie O'Brien (she/her) | Senior Executive Assistant to Kevin Jardine
Deputy Minister, Ministry of Environment and Climate Change Strategy
C:s.17; s.22
E: Kellie.O'Brien@gov.bc.ca



Where ideas work

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From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Sent: July 20, 2021 1:47 PM
To: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>
Subject: RE: Updates on old growth

Any chance that 9:00 tomorrow would also work? If not, let me know.

Either way, we can use this link:

Microsoft Teams meeting: [Click here to join the meeting](#)
Or call in (audio only): s.15

Thanks Kellie!
Alyssa

From: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>
Sent: July 20, 2021 1:37 PM
To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: FW: Updates on old growth

FYI – if this could happen tomorrow at 9:30 that would be amazingly FAB 😊

Kellie O'Brien (she/her) | Senior Executive Assistant to Kevin Jardine
Deputy Minister, Ministry of Environment and Climate Change Strategy
C: s.17; s.22
E: Kellie.O'Brien@gov.bc.ca



Where ideas work

This e-mail is confidential and is intended only for the person(s) to whom it is addressed. Any distribution, copying, or other use by anyone else is strictly prohibited. If you received this e-mail in error, please destroy this e-mail and contact me directly.

From: Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>
Sent: July 20, 2021 1:28 PM
To: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>
Subject: FW: Updates on old growth

FYI...Please ensure I'm included in this call, Kellie. Thanks.

From: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>
Sent: July 20, 2021 1:24 PM
To: Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Subject: Re: Updates on old growth

I have a call with MJW Friday. Let's look for some time tomorrow if possible or Thursday between 9:30 & 10:15

Sent from my iPhone

On Jul 20, 2021, at 12:14 PM, Mack, James ENV:EX <James.Mack@gov.bc.ca> wrote:

Well I'll always take time with my Minister if I can get it.

I think old growth is proceeding in the right direction so it can wait if you have other pressing issues

It does sound like I'll have an update on the Nature agreement end of day today (Kaaren is away) so if you have a time slot later that would work well. Apparently minister Wilkinson has given some direction and timelines to the federal team.

Sent from my iPhone

On Jul 20, 2021, at 11:46 AM, Heyman, George ENV:EX <George.Heyman@gov.bc.ca> wrote:

Thanks – let me know if we should have a quick discussion

From: Mack, James ENV:EX <James.Mack@gov.bc.ca>
Sent: July 19, 2021 6:34 PM
To: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>; Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Subject: Updates on old growth

Quick email on today's OGTAP meeting and follow up with Lisa on the Organizing for Change briefing note

1. Old Growth Technical Advisory Panel update (OGTAP)

- We're still resolving technical issues with how to reconcile data and portray map layers – this is largely a function of the insufficient quality of government data. The workplan target is map products for July 30th that cover both the 'at risk' forests that should be candidates for referrals, as well as an overview of where we have current protections in place.
- Because we continue to have specific data issues to resolve, there's concern that we won't complete that task on time. I understand that our main issue will be the level of accuracy of those products so we are thinking now of three milestones for products that can continue to be cleaned up through that process:
 - i. Maps to inform the work of the panel in recommending priorities for deferrals (July 30th)
 - ii. Maps to inform Cabinet – early August
 - iii. Maps to be part of a public announcement – ideally with the next round of deferrals (late August or later)
- This staged approach seems to work for people. It does not appear that future changes affect provincial scale planning but will be important to individual areas so good to address when we can.
- The rest of the meeting was about how to brief the two Ministers next Monday. We want to provide specific timelines around next steps and products, as well as use this as a pressure point on our group to resolve any outstanding issues. Lisa and I are doing an annotated agenda for the group to review this week.

s.12; s.13

Lots of further work this week so will keep you updated,

From: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>
Sent: July 14, 2021 8:08 PM
To: Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Subject: OFC OG Briefing Note.pdf

Sent from my iPhone

RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>, Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 23, 2021 10:04:15 AM PDT

Do we have confirmation of the technical panel participants? And will there be any materials?

Thanks!
Alyssa

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 21, 2021 2:05 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Cc: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Here is the teams link for July 26th Mtg with OG panel:
10am-10:45am

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+s.15 Canada, Victoria

Phone Conference ID: s.15

[Find a local number](#) | [Reset PIN](#)

[Learn More](#) | [Meeting options](#)

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 21, 2021 1:57 PM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Suggestion is that a conference call line would be best for this meeting.

From: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Sent: July 21, 2021 1:37 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>; Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

I just spoke to David again about this and his suggestion is that an old school conference line be sent from the invitation. He says this would be the best option. There are 2 individuals who don't have very good connectivity so this is what David would like.

Thank you

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 21, 2021 1:05 PM
To: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>; Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hi Samantha, can you help arrange for a zoom link to be created? I understand that is the preference of the panel and neither MO nor DMO have an account.

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 21, 2021 1:04 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

I do not have an account.

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 21, 2021 12:06 PM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Do you have a zoom account to set up a link?

"The preferred method is Zoom – unfortunately RSD does not have a zoom account. Lisa M and Dave Daust both have zoom accounts if needed."

From: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Sent: July 21, 2021 11:34 AM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hey Allison,

Sorry for the confusion Allison.... I have just heard the following from David:

the TAC group does provide them when we are meeting with them. However since the meeting is with our Ministers the details should come from us.

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 21, 2021 10:57 AM
To: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Do we have the zoom link for the technical panel meeting on July 26th?

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 21, 2021 10:56 AM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hi Allison,

Do staff have the zoom link for the OG panel meeting on July 26th?

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Sent: July 21, 2021 10:52 AM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>; Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Do we have an MS Teams link for the meeting itself at 10 AM next Monday?

Thanks!
Alyssa

From: Hrenyk, Alyssa ENV:EX
Sent: July 14, 2021 1:42 PM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>; Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Great, thanks!
Alyssa

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 14, 2021 1:39 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Cc: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Confirmed Pre Brief MKC / MGH and staff
July 26th
930am-10am

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+s.15

Canada, Victoria

Phone Conference ID: s.15

[Find a local number](#) | [Reset PIN](#)

[Learn More](#) | [Meeting options](#)

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 14, 2021 1:36 PM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Lets go ahead an arrange. I'll advise our staff and let ENV DMO know as well.

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 14, 2021 1:35 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Yes it does. Should we plan for 930am-10am July 26th?

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 14, 2021 1:26 PM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Does that happen to work for MGH as well?

From: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Sent: July 14, 2021 1:22 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Before the meeting on July 26th is the only option for MKC, pls advise.

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 14, 2021 1:20 PM
To: Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Do MKC and MGH have any time for a briefing late next week or first thing Monday?

From: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Sent: July 14, 2021 1:19 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>; FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Cc: Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>; Mlinar, Shannon C FLNR:EX <Shannon.Mlinar@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

David will be contacting the panel of members to inquire if they are available on Monday July 26th at 10am. He will keep us posted.

He indicated that both ministers will require a briefing later next week.

I will let Brian know so that materials are ready in advance.

Thank you

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>

Sent: July 14, 2021 9:51 AM

To: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>; FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>

Cc: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>; Mlinar, Shannon C FLNR:EX <Shannon.Mlinar@gov.bc.ca>

Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Thanks

Can you confirm if we are providing materials and if anyone from RSD will attend to support? Also, should we arrange for a pre-brief for our DM/Assoc DM or MGH?

Also will your office be reaching out to the Panel members to confirm the time (once options are provided) or should ENV handle?

From: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>

Sent: July 14, 2021 9:06 AM

To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>; FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>

Cc: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>; Mlinar, Shannon C FLNR:EX <Shannon.Mlinar@gov.bc.ca>

Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Good morning Allison,

Spoke with David this morning and he asked me to pass on that we are going to leave this with environment to manage.

Thank you

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>

Sent: July 13, 2021 5:25 PM

To: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>; Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>

Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hello Arianna and Samantha, hoping I can leave this with the two of you to help finalize arrangements and set up briefings as required.

From: Tripp, Allison FLNR:EX

Sent: July 13, 2021 5:24 PM

To: Morgan, Carly ENV:EX <Carly.Morgan@gov.bc.ca>

Cc: O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>; Kamlade, Taylor ENV:EX <Taylor.Kamlade@gov.bc.ca>; FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>; Llewellyn-Thomas, Marnie ENV:EX

<Marnie.LlewellynThomas@gov.bc.ca>; Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>; Jones, Tristan FLNR:EX <Tristan.Jones@gov.bc.ca>; Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>; Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>

Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hi Carly

The plan is to proceed with a meeting with the OG Technical Advisory and MGH before the end of the month.

Can you work with your MO to see what will work for MGH? Panel members are available on either Wednesday, July 28 10:00 – 11:30 or Friday, July 30 10:00 – 11:30 if that lines up for MGH, or we can work with alternate dates he is available.

In addition to the attendees listed below, an FLNR MO rep will attend (TBD).

From: Llewellyn-Thomas, Marnie ENV:EX <Marnie.LlewellynThomas@gov.bc.ca>
Sent: July 13, 2021 10:59 AM
To: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>; Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Cc: Morgan, Carly ENV:EX <Carly.Morgan@gov.bc.ca>; O'Brien, Kellie ENV:EX <Kellie.O'Brien@gov.bc.ca>; Kamlade, Taylor ENV:EX <Taylor.Kamlade@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hello Brenda,

I've shared the below request with our DMO. Are you able to confirm your leading materials for this?

Marnie

From: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Sent: July 13, 2021 8:35 AM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>; Llewellyn-Thomas, Marnie ENV:EX <Marnie.LlewellynThomas@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Good morning Allison. Please see request below. I'm including Marnie (James' assistant). Not sure how we want to proceed now.

Brenda

From: Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Sent: July 12, 2021 6:05 PM
To: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Cc: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Lets proceed with the meeting request for the end of the month with just MGH. Brian and I can catch up with MKC before she goes on vacation. As it would be with just MGH the request should likely come from ENV?

Thanks
D

From: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Sent: July 12, 2021 3:12 PM
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Cc: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Subject: FW: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hi David, it appears that MKC isn't available. You are on ^{s.22} . Is this too late or would you want Brian to do this meeting without you during the week of August 9th?

Allison's other question is if we can't get both ministers together what would be the action plan.

Please advise.

Thank you

Brenda

From: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>
Sent: July 12, 2021 3:03 PM
To: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Cc: FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>; Silverio, Lisa FLNR:EX <Lisa.Silverio@gov.bc.ca>
Subject: RE: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hi Brenda

The Minister is ^{s.22}

I will ask Lisa to see what might work for MKC and MGH in August.

IF we can't align due to vacation schedules can this go ahead with just MKC?

From: Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>
Sent: July 12, 2021 2:28 PM
To: Tripp, Allison FLNR:EX <Allison.Tripp@gov.bc.ca>; FLNR Deputy Minister's Office FLNR:EX <FLNR.DMO@gov.bc.ca>
Cc: Gysbers, Samantha FLNR:EX <Samantha.Gysbers@gov.bc.ca>
Subject: MEETING REQUEST: Old Growth Technical Advisory Panel with MKC and MGH

Hello, I've been asked to set up a meeting with Ministers Conroy and Heyman and the Old Growth Technical Advisory Panel members (Garry Merkel, Rachel Holt, Dave Daust, Karen Price, Lisa Matthaus).

David has obtained the dates that the panel members are available on either Wednesday, July 28 10:00 – 11:30 or Friday, July 30 10:00 – 11:30.

I have all email addresses for panel members and can provide for when meeting is set up. The preferred method is Zoom – unfortunately RSD does not have a zoom account. Lisa M and Dave Daust both have zoom accounts if needed.

Meeting Request for Minister Conroy	
Request for Minister	Conroy and Heyman
Meeting Requested by	David
Meeting Topic	Old Growth Technical Advisory Panel
Preferred Date/Time of meeting	See above
Timing Implications/Urgency	Government commitment to make a decision about deferral this summer
Meeting Duration	30 – 45 minutes
In person / virtual	virtual
Staff Attendees: Y/N/Who	David Muter (FLNR) Brian Bawtinheimer (FLNR) DM (FLNR) up to Rick if he wants to attend

	James Mack (ENV) DM (ENV) up to Kevin Jardine if he wants to attend
Materials: Y/N?	Y
DM pre-brief required: Y/N?	Y – request for a 30 minute pre-brief – preferably not on the day of meeting but ideally the day before
Cliff Log # -	TBC
eApprovals # - if required	TBC

Please and thank you

Brenda Larkin || Executive Administrative Assistant
Resource Stewardship Division
Assistant Deputy Minister's Office
Ministry of Forests, Lands, Natural Resource Operations and Rural Development
Ph: 236-478-1764

ENGO briefing pre-deferrals package

From: lisa@organizingforchange.org
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: August 19, 2021 7:26:40 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, Kelly – hope you’ve been able to take some time off this summer. I wanted to reach out to start a conversation about ENGO briefing before the deferrals are announced. I think it will be very important that that happens well in advance of the announcement, like up to a week before. That would allow gov’t to test its messaging, frankly, and hopefully be willing to tweak if there’s a way to make it land better. We could do this with a small group of ENGO reps – the Minister was wanting to sort out who that small group of ENGOs to engage on this issue might be and now/soon might be the time to get those folks together.

Give me a call if you’re around.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

RE: ENGO briefing pre-deferrals package

From: lisa@organizingforchange.org
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: August 20, 2021 12:24:15 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

s.13

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

From: lisa@organizingforchange.org <lisa@organizingforchange.org>
Sent: August 19, 2021 7:27 PM
To: 'Sather, Kelly ENV:EX' <Kelly.Sather@gov.bc.ca>
Subject: ENGO briefing pre-deferrals package

Hi, Kelly – hope you've been able to take some time off this summer. I wanted to reach out to start a conversation about ENGO briefing before the deferrals are announced. I think it will be very important that that happens well in advance of the announcement, like up to a week before. That would allow gov't to test its messaging, frankly, and hopefully be willing to tweak if there's a way to make it land better. We could do this with a small group of ENGO reps – the Minister was wanting to sort out who that small group of ENGOs to engage on this issue might be and now/soon might be the time to get those folks together.

Give me a call if you're around.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)

OG TAP meeting with Forest Working Group

From: lisa@organizingforchange.org
To: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>
Cc: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: September 2, 2021 2:44:01 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Minister Heyman – in a recent update, the OG TAP was informed that the decision to send the maps, completed at the beginning of August, still haven't gone to First Nations – those conversations haven't even started – and that it was now a Cabinet decision about whether and when those would go. In the terms of reference there was agreement that the TAP would be able to present its work directly to "the Ministers", but given where things are at we decided today to request that the TAP be able to present its work to the full Cabinet Working Group on Forests. That would also allow the working group members to ask questions directly of the TAP members. I hope we would be able to make such a meeting happen sooner rather than later, as the one-year anniversary of the OGSR release is fast approaching, and the last (technical) days of summer are ebbing away.

I hope you're well.

Lisa

Lisa Matthaus
Provincial Lead
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OG TAP meeting with Forest Working Group

From: lisa@organizingforchange.org
To: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>
Cc: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
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Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ Priorities for Environmental Leadership ~
250-888-5194 (c)
www.organizingforchange.org

RE: OG TAP meeting with Forest Working Group

From: lisa@organizingforchange.org
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: September 2, 2021 3:14:17 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Thanks, Kelly!

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

From: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: September 2, 2021 3:14 PM
To: 'lisa@organizingforchange.org' <lisa@organizingforchange.org>
Subject: RE: OG TAP meeting with Forest Working Group
Thanks Lisa, received and under discussion!

From: lisa@organizingforchange.org <lisa@organizingforchange.org>
Sent: September 2, 2021 2:44 PM
To: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>
Cc: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Subject: OG TAP meeting with Forest Working Group

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Minister Heyman – in a recent update, the OG TAP was informed that the decision to send the maps, completed at the beginning of August, still haven't gone to First Nations – those conversations haven't even started – and that it was now a Cabinet decision about whether and when those would go. In the terms of reference there was agreement that the TAP would be able to present its work directly to “the Ministers”, but given where things are at we decided today to request that the TAP be able to present its work to the full Cabinet Working Group on Forests. That would also allow the working group members to ask questions directly of the TAP members.

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I hope you're well.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

Re: FYI - Save Fairy Creek stating Old Growth tech panel releasing data on Sept 16 - 08 Sept 21

From: Harris, Megan GCPE:EX <Megan.Harris@gov.bc.ca>
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Renneberg, Tim FLNR:EX <Tim.Renneberg@gov.bc.ca>, Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>, Brewer, Lia PREM:EX <Lia.Brewer@gov.bc.ca>, Hrycuik, Lorie HLTH:EX <Lorie.Hrycuik@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Hrycuik, Lorie FLNR:EX <Lorie.Hrycuik@gov.bc.ca>, Hold - 211122 - Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Renneberg, Tim AFF:EX <Tim.Renneberg@gov.bc.ca>
Cc: Pierson, Nova GCPE:EX <Nova.Pierson@gov.bc.ca>, Hooper, Tyler GCPE:EX <Tyler.Hooper@gov.bc.ca>, Gibbs, Margaret A FLNR:EX <Margaret.Gibbs@gov.bc.ca>, Kachanoski, Steve B FLNR:EX <Steve.Kachanoski@gov.bc.ca>, Haslam, David GCPE:EX <David.Haslam@gov.bc.ca>
Sent: September 8, 2021 2:42:55 PM PDT

I don't understand how they come up with these random dates.

From: "Muter, David FLNR:EX" <David.Muter@gov.bc.ca>
Date: Wednesday, September 8, 2021 at 9:19 AM
To: "Plummer, Glen GCPE:EX" <Glen.Plummer@gov.bc.ca>, "Howlett, Tim GCPE:EX" <Tim.Howlett@gov.bc.ca>, "Renneberg, Tim FLNR:EX" <Tim.Renneberg@gov.bc.ca>, "Monroe, Danielle FLNR:EX" <Danielle.Monroe@gov.bc.ca>, "Brewer, Lia PREM:EX" <Lia.Brewer@gov.bc.ca>, "Hrycuik, Lorie HLTH:EX" <Lorie.Hrycuik@gov.bc.ca>, "Harris, Megan GCPE:EX" <Megan.Harris@gov.bc.ca>, "Sather, Kelly ENV:EX" <Kelly.Sather@gov.bc.ca>
Cc: "Pierson, Nova GCPE:EX" <Nova.Pierson@gov.bc.ca>, "Hooper, Tyler GCPE:EX" <Tyler.Hooper@gov.bc.ca>, "Gibbs, Margaret A FLNR:EX" <Margaret.Gibbs@gov.bc.ca>, "Kachanoski, Steve B FLNR:EX" <Steve.Kachanoski@gov.bc.ca>, "Haslam, David GCPE:EX" <David.Haslam@gov.bc.ca>
Subject: RE: FYI - Save Fairy Creek stating Old Growth tech panel releasing data on Sept 16 - 08 Sept 21
We have not committed to any dates. Nor has the Panel

From: Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>
Sent: September 8, 2021 9:14 AM
To: Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>; Renneberg, Tim FLNR:EX <Tim.Renneberg@gov.bc.ca>; Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>; Brewer, Lia PREM:EX <Lia.Brewer@gov.bc.ca>; Hrycuik, Lorie HLTH:EX <Lorie.Hrycuik@gov.bc.ca>; Harris, Megan GCPE:EX <Megan.Harris@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Cc: Pierson, Nova GCPE:EX <Nova.Pierson@gov.bc.ca>; Hooper, Tyler GCPE:EX <Tyler.Hooper@gov.bc.ca>; Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Gibbs, Margaret A FLNR:EX <Margaret.Gibbs@gov.bc.ca>; Kachanoski, Steve B FLNR:EX <Steve.Kachanoski@gov.bc.ca>; Haslam, David GCPE:EX <David.Haslam@gov.bc.ca>
Subject: FYI - Save Fairy Creek stating Old Growth tech panel releasing data on Sept 16 - 08 Sept 21

Hi all,

FYI - <https://www.instagram.com/p/CTiT5UfH7Lq/>

I don't recall a specific date for release of the TAP information.

Glen Plummer

Communications Manager

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

250 952-0559 office

250 213-5667 cell

FW: MEDIA RELEASE: One year after BC promised action, logging continues in almost all at-risk old-growth forests

From: Jens Wieting <jens@sierraclub.bc.ca>
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Tim Renneberg (Tim.Renneberg@gov.bc.ca) <Tim.Renneberg@gov.bc.ca>, Renneberg, Tim AFF:EX <Tim.Renneberg@gov.bc.ca>
Sent: September 9, 2021 9:10:21 AM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi David, Kelly and Tim,
Hope you are all doing well. Please see our media release below. We mentioned the upcoming 1 year report card in our call with Brian end of August and on other occasions. We are sharing it today since September 11 is a Saturday.
Best
Jens

From: Sierra Club BC <social@sierraclub.bc.ca>
Sent: September 9, 2021 6:15 AM
To: Jens Wieting <jens@sierraclub.bc.ca>
Subject: MEDIA RELEASE: One year after BC promised action, logging continues in almost all at-risk old-growth forests

NGO report card: One year after B.C. promised action, logging continues in almost all at-risk old-growth forests

Report card raises alarm about predatory delay contributing to climate and extinction crises, lack of support for First Nations and forestry reforms, fuelling Canada's biggest act of civil disobedience

FOR IMMEDIATE RELEASE:

September 9, 2021

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For more information, please contact:

Jens Wieting, Senior Forest and Climate Campaigner/Science Advisor, Sierra Club BC | 604-354 5312, jens@sierraclub.bc.ca

Andrea Inness, Campaigner, Ancient Forest Alliance | 778-953-5983 (text only), andrea@ancientforestalliance.org

Joe Foy, Protected Areas Campaigner, Wilderness Committee | 604-880-2580, joe@wildernesscommittee.org

[Go to online version of this media release.](#)



Sierra Club BC
301-2994 Douglas St. Victoria BC



V8T 4N4

Lekwungen Territory

You are receiving this email because you are on our media distribution list.

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RE: Connecting with Minister Heyman

From: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>
To: Karen Price <s.22>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: September 27, 2021 12:29:03 PM PDT

Yes, received! Thanks so much.

Confirming this call for tomorrow afternoon at 3:00-3:20 PM via Zoom.

Thanks again,

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
s.17; s.22 | Alyssa.Hrenyk@gov.bc.ca

From: Karen Price s.22

Sent: September 27, 2021 12:19 PM

To: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>

Subject: Re: Connecting with Minister Heyman

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi Alyssa and Kelly,

Did the zoom invite come over ok? Will that work for you guys?

Thanks, Karen

On Mon, 27 Sept 2021 at 10:48, Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca> wrote:

Hi Karen,

Thanks for your patience! Zoom is no problem for this call. That being said, I don't have access to an account to create a meeting. Would you be able to send a link? Alternatively, I could send a conference call line, whichever works better for you. 😊

Thank you!

Alyssa Hrenyk

Administrative Coordinator to
The Honourable George Heyman,
Minister of Environment and Climate Change Strategy
and Minister Responsible for TransLink
s.17; s.22 | Alyssa.Hrenyk@gov.bc.ca

From: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>

Sent: September 24, 2021 9:16 AM

To: Karen Price s.22

Cc: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>

Subject: Re: Connecting with Minister Heyman

Hi Karen, Zoom works for us! Alyssa is back in the office Monday and will send over a formal calendar invite. Look forward to connecting on Tuesday afternoon.

From: Karen Price s.22

Sent: Thursday, September 23, 2021 5:47:47 PM

To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>

Cc: Hrenyk, Alyssa ENV:EX <Alyssa.Hrenyk@gov.bc.ca>

Subject: Re: Connecting with Minister Heyman

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi Kelly,

Thanks for the invitation. Tuesday at 3 will work well.

If you are using MSTeams I'd rather talk by phone because our connectivity can be poor on that platform. Our bandwidth can handle zoom (and I have an account if that would work) but I recognize that may not meet your security requirements.

Thanks, Karen

s.22

On Thu, Sep 23, 2021 at 2:29 PM Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca> wrote:

Hi Karen,

I hope this message finds you well. Lisa said that you wanted to connect with Minister Heyman following the previous meeting of the cabinet working group on forestry and some comments you shared. I wanted to reach out to see if Tuesday, September 28 at 3:00 PM works for you. Minister Heyman has about twenty minutes free in his calendar at that time. We can do a video call or regular phone call. Please let me know if you would like invitation extended to anyone else.

Thank you,

Kelly

Kelly Sather

Senior Ministerial Advisor to Hon. George Heyman

Ministry of Environment and Climate Change Strategy

Minister Responsible for TransLink

s.17; s.22

Accepted Old Growth Comms discussion (10).msg

From: Sather, Kelly s.15
s.15

To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>

Sent: October 15, 2021 12:45:01 PM PDT

Received: October 15, 2021 12:45:02 PM PDT

Priority: Normal (5)

Calendar Item Type: REPLY

Accepted Old Growth Comms discussion.msg

From: Sather, Kelly s.15
s.15
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Sent: October 15, 2021 12:45:01 PM PDT
Received: October 15, 2021 12:45:02 PM PDT
Priority: Normal (5)
Calendar Item Type: REPLY

FW: Saik'uz Nation delivers forest resource declaration: No more industrial logging in the territory

From: lisa@organizingforchange.org
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: October 15, 2021 4:00:46 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

See below...

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

From: lisa@organizingforchange.org <lisa@organizingforchange.org>
Sent: October 15, 2021 3:44 PM
To: 'David FLNR:EX Muter' <David.Muter@gov.bc.ca>; 'Mack, James ENV:EX' <James.Mack@gov.bc.ca>; 'Brian Bawrinheimer' <Brian.Bawtinheimer@gov.bc.ca>
Cc: 'Garry Merkel' <gmerkel@telus.net>; 'Karen Price's.22' <KarenPrice@telus.net>; 'DaveDaust KarenPrice' <pricedau@telus.net>; 'Rachel Holt' <rachel@veridianecological.ca>
Subject: FW: Saik'uz Nation delivers forest resource declaration: No more industrial logging in the territory
Well, I think you've got your first taker...

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

From:
Sent: October 15, 2021 3:11 PM
To: lisa@organizingforchange.org;
Sharing this piece, following a Saik'uz FN news conference at which they announce any logging/natural resource development in their territory must require their consent. Pulled some excerpts highlighting their position below.
Saik'uz First Nation makes swift changes to forest management in its territory:
<https://www.haidagwaiobserver.com/news/saikuz-first-nation-makes-swift-changes-to-forest-management-in-its-territory/>

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FW: Deferral announcement

From: lisa@organizingforchange.org
To: Cuddy, Andrew EMLI:EX <Andrew.Cuddy@gov.bc.ca>, Danielle.Monroe@gov.bc.ca, Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>, Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>
Cc: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: October 20, 2021 10:23:23 AM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, Danielle and Andrew – in preparation for our call on Friday (11:30) I wanted to share a couple of things. Below is an email Garry Merkel sent to the rest of the panel after our somewhat fractious meeting with government last Thursday. He's played a very grounding role for this process overall and this email is a good example of that. He makes some very good suggestions that I want to make sure your office is aware of.

I'm also sharing this [recent op-ed](#) that we (the TAP) were just informed about. It's a good encapsulation of 'the view from outside' and speaks directly to your question of how government lost credibility on this file. The author's description of BC's current approach to forest policy is wonderfully succinct and devastatingly accurate.

I look forward to our conversation.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

From: Garry Merkel <gmerkel@gmerkel.com>

Sent: October 15, 2021 9:50 AM

To: David FLNR:EX Muter <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>; Brian Bawrinheimer <Brian.Bawtinheimer@gov.bc.ca>

Cc: Rachel Holt <rachel@veridianecological.ca>; Karen Price & Dave Daust <pricedau@telus.net>; Lisa Matthaus <lisa@organizingforchange.org>

Subject: Deferral announcement

I've been pondering this and felt that I needed to say something about the upcoming announcement I didn't say a lot yesterday because the discourse was a bit overwhelming and for the most part not really an exchange. Regardless, I believe that the discussion was coming from the right place (looking after the land, taking care of the public interest, ensuring that the process and government has credibility) and the points that were raised are valid and very real. British Columbia and the BC government is at a cusp right now. Public paradigms and expectations have shifted significantly and disillusionment with government's willingness to act is the highest I've seen it in my career. Particularly on the Old Growth file where public perception is that government is not willing to move on this and is looking every excuse to delay things (many believe that this is ongoing delay tactic to avoid ever having to deal with the issue). I will reiterate that AI and I's observation is that this perception is not limited to the "environmental" sector and that it is shared amongst every sector (including many in the forest sector).

This is the moment where the provincial government needs to signal its commitment in as strong a way as it feels that it can. Let's avoid taking the prevailing attitude of risk avoidance and assume more of a leadership role while still respecting the core principles, e.g., Indigenous government respect, orderly transition. On that basis I would recommend that government public messages are.

s.13

Re: FW: Media Availability: CleanBC acceleration

From: Lisa Matthaus <lisa@organizingforchange.org>
To: Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: October 25, 2021 7:17:03 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Thanks, Kelly. I tried very hard to get folks to hear "cap" (using the wording in the news release) but in their minds it's still "a plan to come up with a plan" re oil and gas. Sigh.

I think the overall plan was too big, too complex to bring people, especially those predisposed to be sceptical, up to speed on all the positive elements in a short briefing. So they default to a focus on the part they're most concerned about.

Going forward, whatever the next stage is, we need to come up with a way that allows these groups to engage in a more substantive way so they can be brought along with the thinking, not just scooped up at the end and hoping for a good reaction. I've got some thoughts on this, to be explored when we're next talking. Hope the day went well otherwise.

Lisa

On Mon., Oct. 25, 2021, 5:08 p.m. Sather, Kelly ENV:EX, <Kelly.Sather@gov.bc.ca> wrote:

The full transcript from today...

-Kelly

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TNO...

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A successful OG deferrals announcement

From : lisa@organizingforchange.org
To: Heyman, George ENV:EX <George.Heyman@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: October 26, 2021 11:14:49 AM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, Minister and Kelly – Congratulations on the announcement yesterday. I've seen good coverage of various parts of the plan, with the challenging part largely focused on O&G/LNG, not surprisingly. I would love to talk, at some point (post-COP) about how better to bring some ENGOs along so they aren't having to absorb all the nuances of a 70+-page plan in a short briefing, that they'd have a better sense of the whole to balance the inevitable short-comings. But on old growth...

I mentioned to you both that I'd put together a collection of elements that I think would make for a successful announcement of old growth deferrals. This is based on the feedback I saw and received after the Oct 15th briefing. I've sent this to Min Conroy's SMAs (Danielle and Andrew) and to Geoff Meggs and Don Bain. Wanted to make sure you had it as well.

I've come up with these five elements, and a few strong suggestions as to how to manifest them. And again this is as me/OFC, not a TAP perspective.

s.13

c. Link to a larger, longer-term discussion with federal gov't, philanthropists and others to make more support available for transition as we move forward with the paradigm shift

5. Need to do something substantive about Fairy Creek – will be really hard for organizations to be celebratory if nothing changes there.

Happy to talk about this if/when you have time.

All the best for your s.22 Minister.

Lisa

Lisa Matthaus

Provincial Lead

Organizing for Change

~ *Priorities for Environmental Leadership* ~

250-888-5194 (c)

www.organizingforchange.org

ENGO Briefing #2?

From : lisa@organizingforchange.org
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Danielle.Monroe@gov.bc.ca, Cuddy, Andrew EMLI:EX <Andrew.Cuddy@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>, Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>
Sent: October 26, 2021 2:18:21 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, David and James – I'd mentioned earlier that, given that messaging was likely going to change between Oct 15th and announcement day, we'd probably need another briefing, or update, or whatever we want to call it. Possible to do that on Friday this week, or Monday latest? I understand you had a good call with Torrance late last week, David; might be good to test that messaging out with everyone there (and they're still bound by the NDAs they already signed, I believe).

Let me know if you think that's possible and what I can do to help organize.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
250-888-5194 (c)
www.organizingforchange.org

RE: ENGO Briefing #2?

From : Muter, David FLNR:EX <David.Muter@gov.bc.ca>
To: lisa@organizingforchange.org, Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>, Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>, Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Jupp, Sandra FLNR:EX <Sandra.Jupp@gov.bc.ca>
Sent: October 26, 2021 4:55:50 PM PDT

Lisa,
Could we plan for this for Monday next week. My days are booked solid this week and I want to leave room on Friday for TAP.
Brenda – could you please find some times on Monday. Same ENGO group that we connected with last week Sandra will have the list
Thanks
D

From: lisa@organizingforchange.org <lisa@organizingforchange.org>
Sent: October 26, 2021 2:18 PM
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>; Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Subject: ENGO Briefing #2?

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, David and James – I'd mentioned earlier that, given that messaging was likely going to change between Oct 15th and announcement day, we'd probably need another briefing, or update, or whatever we want to call it. Possible to do that on Friday this week, or Monday latest? I understand you had a good call with Torrance late last week, David; might be good to test that messaging out with everyone there (and they're still bound by the NDAs they already signed, I believe).

Let me know if you think that's possible and what I can do to help organize.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ Priorities for Environmental Leadership ~
250-888-5194 (c)
www.organizingforchange.org

Re: ENGO Briefing #2?

From: Lisa Matthaus <lisa@organizingforchange.org>
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Cc: Mack, James ENV:EX <James.Mack@gov.bc.ca>, Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>, Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>, Larkin, Brenda FLNR:EX <Brenda.Larkin@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Jupp, Sandra FLNR:EX <Sandra.Jupp@gov.bc.ca>
Sent: October 26, 2021 8:40:16 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Monday would be fine, thanks for making it happen, David.
Lisa

On Tue., Oct. 26, 2021, 4:55 p.m. Muter, David FLNR:EX, <David.Muter@gov.bc.ca> wrote:

Lisa,

Could we plan for this for Monday next week. My days are booked solid this week and I want to leave room on Friday for TAP.

Brenda – could you please find some times on Monday. Same ENGO group that we connected with last week Sandra will have the list

Thanks

D

From: lisa@organizingforchange.org <lisa@organizingforchange.org>
Sent: October 26, 2021 2:18 PM
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>; Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>; Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Subject: ENGO Briefing #2?

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, David and James – I'd mentioned earlier that, given that messaging was likely going to change between Oct 15th and announcement day, we'd probably need another briefing, or update, or whatever we want to call it. Possible to do that on Friday this week, or Monday latest? I understand you had a good call with Torrance late last week, David; might be good to test that messaging out with everyone there (and they're still bound by the NDAs they already signed, I believe).

Let me know if you think that's possible and what I can do to help organize.

Lisa

Lisa Matthaus

Provincial Lead

Organizing for Change

~ Priorities for Environmental Leadership ~

250-888-5194 (c)

www.organizingforchange.org

OG Deferrals announcement today

From : lisa@organizingforchange.org
To: Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>, Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>
Sent: November 2, 2021 4:53:09 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, Andrew, Danielle and Kelly – Whew, glad to be largely through that, I bet you are, too! I watched the announcement with Karen and Dave, from the TAP, as they happened to be in Victoria today. We sat at the Good Earth café across the road to watch together. We all thought Minister Conroy did a great job, the clarity on what's recommended for deferral and why was much appreciated, please pass that on to her. Garry Merkel did a good job, too, and it was good to see the technical questions referred to him. We also want to commend staff for how quickly they got all the material on the website, especially making the shape files available right away, we weren't expecting that so quickly.

I'm sure you have been seeing the news releases from the various environmental organizations going out today. I'd be happy to discuss any of that if you'd like, and I'm also curious to hear what your take is on the ENGO reaction overall (positive/negative? Expected/unexpected? etc.)

I hope you all feel you can celebrate where we got to today, and I look forward to discussing next steps with you soon. Lots more work to do.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ *Priorities for Environmental Leadership* ~
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www.organizingforchange.org

Thank you for your hard work leading to yesterday's announcement

From: Jens Wieting <jens@sierraclub.bc.ca>
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>, Andrew.Cuddy@gov.bc.ca, Danielle.Monroe@gov.bc.ca, Sather, Kelly ENV:EX <Kelly.Sather@gov.bc.ca>, Cuddy, Andrew FLNR:EX <Andrew.Cuddy@gov.bc.ca>, Monroe, Danielle FLNR:EX <Danielle.Monroe@gov.bc.ca>
Sent: November 4, 2021 1:01:22 PM PDT
Attachments: image001.png, image002.jpg

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Dear Dave and Brian, dear Andrew, Danielle and Kelly,
I would like to take a moment to thank Minister Conroy and Minister Heyman and all staff involved in the two ministries for their hard work leading to Tuesday's old-growth announcement. I can barely imagine how difficult some of the work behind the scenes has been to get to this day, considering some of the pushback we are aware of and the entrenched patterns of colonial resource extraction in this province.
After years of a growing sense of despair about the fate of the last old-growth, this week felt like the potential starting point of a new chapter and a much needed glimmer of hope in these truly historic times that will decide over the survival of humanity as we know it.

Best regards

Jens Wieting (he/him)

Senior Forest and Climate Campaigner/Science Advisor

C (604) 354-5312

Sierra Club BC

Lekwungen Territory

sierraclub.bc.ca

Note: I am mostly working from Vancouver and only occasionally in Victoria

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Inspiring generations to defend nature and confront climate change, so families, communities and the natural world can prosper together.



Re: Friday's meeting

From: Garry Merkel <gmerkel@gmerkel.com>
To: Karen Price & Dave Daust <pricedau@telus.net>
Cc: David FLNR:EX Muter <David.Muter@gov.bc.ca>, Rachel Holt <rachel@veridianecological.ca>, Lisa Matthauss <lisa@organizingforchange.org>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, Brian Bawrinheimer <Brian.Bawrinheimer@gov.bc.ca>, Bawrinheimer, Brian FLNR:EX <Brian.Bawrinheimer@gov.bc.ca>, Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Sent: July 19, 2021 11:40:57 AM PDT
Attachments: OGTAP Principles 210719 (gm).docx

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

I've updated these (again) based on today's conversation.

On Jul 7, 2021, at 12:32, Garry Merkel <gmerkel@gmerkel.com> wrote:

This is the version updated from this morning's call.
<OGTAP Principles 210707 (gm).docx>

On Jul 7, 2021, at 11:31, Garry Merkel <gmerkel@gmerkel.com> wrote:

I've made some changes the principles (attached). Sorry but I thought that I'd sent these already.

On Jul 2, 2021, at 10:25, Garry Merkel <gmerkel@gmerkel.com> wrote:

I have attached a first draft of the Paradigm Shift piece. I would like to recommend that we do a quick once-over on this today then let each of you add your thoughts before we get into substantive discussions.
<Paradigm Shift towards Ecosystem Health.docx>

On Jul 1, 2021, at 16:42, Garry Merkel <gmerkel@gmerkel.com> wrote:

I am very close to completing my first draft of the paradigm shift piece that I've talked about and wouldn't mind going over it for a few minutes before giving everyone their opportunity to add their edits.

On Jul 1, 2021, at 15:31, DaveDaust
KarenPrice <pricedau@telus.net> wrote:

Hi all,

In preparation for our meeting tomorrow (10 – 11:30am), here's a suggested agenda plus revised principles (attached) based on our discussion last time.

1. Feedback we've each received about the initiation of the OGTAP's work
2. Contracts
3. Continue discussion to ensure we all understand the principles (attached)
4. Data update
5. Discuss approach to map layers
6. Questions

See you tomorrow, perhaps kicking sand from your shoes or wringing water from your hair (hope everyone is having a chance to enjoy some cooling activities).

Thanks, Karen

<OGTAP Principles July 1.docx>

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

<OGTAP Principles 210705 (gm).docx>

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

Garry Merkel

250-427-0460

Intolerance betrays a lack of faith in one's cause

Old Growth Deferral Technical Advisory Panel

Principles for determining at-risk old growth ecosystems

- **Risk depends on the amount of old growth in each ecosystem.**
- **All unprotected old growth is either currently at-risk or threatened by forest management.**
 - Forest management aims to convert all unprotected old growth into managed stands.
 - Low productivity stands, spared to date, are threatened by biomass harvesting.
- **Old growth amount decreases with harvesting and natural disturbance.**
 - Historic harvest affects current risk; future harvest poses a threat that increases risk.
 - Natural disturbance reduces old forest; natural disturbance will increase (climate).
- **If a BEC variant is at high risk, no further analysis is needed.**
- **If a BEC variant is not at high risk, further analysis is needed, because ecosystems and areas within variants may be at high risk.**
 - Ecosystem productivity matters. High productivity ecosystems are most valuable, most at risk and most threatened.
 - Geographic distribution matters. Watersheds or landscape units may be at high risk.
- **Risk thresholds vary by ecosystem.**
 - Ecosystems with low **absolute** amounts of old growth are at high risk
 - Ecosystems with low amounts of **relative to expected natural** amounts are at high risk.
- **Old growth condition matters.**
 - Intact watersheds are rare and have high value for ecological resilience.
 - Fragmented patches pose high risk due to lack of connectivity and edge effects.
- **Primary forest is more valuable than second growth forest.**

Commented [GEM1]: Add:

1. This is an interim measure to provide more options for future management
2. Shifting from a timber management to an ecosystem health management perspective (lots of information and thinking is missing)

Commented [GEM2]: Risk depends on many factors (amount, distribution, size, silviculture systems/impacts) – have chosen to look at amount for now – will address other factors in future planning processes

Commented [GEM3]: Accessible – within the THLB

Commented [GEM4]: From an ecosystem health perspective

Garry's suggested edits based on today's discussions – updated July 19, 2021 (12:30 MST)

Principles for determining at-risk old growth ecosystems

- 1) Identifying candidates and the approved deferrals are separate but linked processes**
 - a) Candidate areas are based on a scientific and technical analysis of at-risk old growth ecosystem and inform discussions for determining the approved set of deferrals
 - b) The approved set of deferrals are the result of discussions with Indigenous groups and cabinet decisions
- 2) Timeliness is crucial to avoid any further erosion of at-risk areas**
 - a) An adaptive (learn and adapt as you go) approach is necessary to achieve timeliness
 - b) Various informal measures will be necessary while working through the processes of establishing formal measures to achieve the overall objective of deferring at-risk areas
- 3) At-risk old growth ecosystems are used for identifying candidates for deferrals**
 - a) Deferrals are shorter term measures to maintain choices as we move to ecosystem health management

- 4) **Identifying candidate deferral areas will be based on best available but imperfect information**
 - a) Inventories were largely created for timber purposes and have not incorporated many required ecosystem descriptors including a suitable description of old growth
 - b) A precautionary approach is necessary to address this imperfect information reality
 - c) An adaptive approach is necessary to accommodate better inventory or field verification information that is gathered through the process
- 5) **Risk depends on the amount of old growth in each ecosystem.**
 - a) Risk also depends on the distribution and size of old growth and impacts largely from clearcut silviculture systems (amount is the only practical measure to determine at-risk in the required time frame)
 - b) Future changes in how to manage for ecosystem health and old growth will address these other factors, e.g., distribution, size, etc.
- 6) **All old growth in the Timber Harvesting Land Base is slated for harvest at some time under the current forest management regime.**
 - a) Forest management aims to convert all unprotected old growth into managed stands.
 - b) Areas that are uneconomic have proven to become economic over time.
 - c) Low productivity stands, spared to date, are threatened by biomass harvesting.
- 7) **Old growth amount decreases with harvesting and natural disturbance.**
 - a) Historic harvest affects current risk; future harvest poses a threat that increases risk.
 - b) Natural disturbance reduces old forest; natural disturbance will increase (climate).
- 8) **If a BEC variant is at high risk, no further analysis is needed.**
- 9) **If a BEC variant is not at high risk, further analysis is needed, because ecosystems and areas within variants may be at high risk.**
 - a) Ecosystem productivity matters. High productivity ecosystems are most valuable, most at risk and most threatened.
 - b) Geographic distribution matters. Watersheds or landscape units may be at high risk.
- 10) **Risk thresholds vary by ecosystem.**
 - a) Ecosystems with low **absolute** amounts of old growth are at high risk
 - b) Ecosystems with low amounts of **relative to expected natural** amounts are at high risk.
- 11) **Old growth condition matters.**
 - a) Intact watersheds are rare and have high value for ecological resilience.
 - b) Fragmented patches pose high risk due to lack of connectivity and edge effects.
- 12) **Primary forest is more valuable than second growth forest from an ecosystem health perspective.**

FINAL AGENDA for Mins mtg

From: lisa@organizingforchange.org
To: Mack, James ENV:EX <James.Mack@gov.bc.ca>, Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>, Rachel Holt <rachel@veridianecological.ca>, Karen Price & Dave Daust <pricedau@telus.net>, Karen Price <§.22 >, Garry Merkel <gmerkel@telus.net>
Sent: July 25, 2021 10:22:35 PM PDT
Attachments: OGTAP Annotated Agenda July 26.docx

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, all – this incorporates feedback I received. David or James, can one of you share this with the Ministers in advance of our meeting?

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ Priorities for Environmental Leadership ~
250-888-5194 (c)
www.organizingforchange.org

From: lisa@organizingforchange.org <lisa@organizingforchange.org>
Sent: July 23, 2021 11:57 AM
To: 'Mack, James ENV:EX' <James.Mack@gov.bc.ca>; 'Muter, David FLNR:EX' <David.Muter@gov.bc.ca>; 'Bawtinheimer, Brian FLNR:EX' <Brian.Bawtinheimer@gov.bc.ca>
Subject: AGENDA for Mins mtg

Current version, and leaving it to James to pull the top-level items for a general agenda to share with Ministers today. I'll get an updated full version to share with Ministers to you on the weekend.

Lisa

Lisa Matthaus
Provincial Lead
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Annotated Agenda

Meeting of Old Growth Technical Advisory Panel with Minister Conroy and Minister Heyman

July 26, 2021

Purpose:

- To confirm with Ministers the expected deliverables and timelines leading to upcoming public announcements.

Areas of Work

- 1) A series of mapping resources on BC's old growth for public release
 - These maps build on existing work already completed by individual Panel members updated with data and analysis through the Panel's work with government officials.
 - As the inventory was built for timber management and does not include accurate information required to manage for old growth, various analyses were required to make the best logical, statistically relevant and defensible approximations of at-risk old growth areas.
 - Three sets of maps to be released:
 - i. All old growth in BC
 - ii. State of current protections for BC's old growth forests
 - iii. Old-growth areas currently at risk based on criteria laid out in recommendation #6 of the OGSR: age, rarity by Biogeoclimatic Ecosystem Classifications, intact watersheds, etc.
 - Maps are being generated now but have required significant effort to deal with data gaps and quality control. We are currently aiming at this timeline:
 - i. End of July: late-stage draft maps to enable the Panel in identify priority areas for deferral; will be available for discussions internally and with Indigenous Nations
 - ii. Mid August: maps to inform decisions (Part 13) by Ministers on deferrals
 - iii. Late August: final maps for release to the public as resources to inform discussions on old growth. These maps should be included as part of an announcement on new deferrals.
- 2) Recommendations for priority deferrals
 - The Panel is finalizing a set of principles that, in conjunction with the maps, will guide advice on priority areas for deferrals.
 - Aiming for priority deferrals to be provided to Ministers by mid-August for decision

- ***It is the strong recommendation of the Panel that the Province uses any formal or informal means to ensure logging ceases in all areas recommended for deferral even if the legal designations cannot be finalized right away.***

3) Improved communications (Lisa)

- Communications supporting the announcement of deferrals and release of the mapping products will be crucial in helping to build trust in this process and maintaining the integrity of the Panel which underpins it. We hope to play a strong role in the development of the communications materials.
- The Panel will also provide advice on how to enhance overall government old growth-related communications to better characterize the problem facing British Columbia, the urgency we face, as well as how government actions are showing progress.

4) Initiating a longer-term paradigm shift (Garry)

- While the deferrals are an important starting point for the implementation of the OGSR recommendations, they are meant to enable a larger conversation about the needed paradigm shift in how BC's forests are managed. The Panel is completing a paper on how that shift needs to be facilitated and supported in the coming years to be fully realized.

RE: OGTAP meetings schedule

From: Mack, James ENV:EX <James.Mack@gov.bc.ca>
To: Rachel Holt <rachel@veridianecological.ca>, Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>
Cc: Lisa Matthaus <lisa@organizingforchange.org>, Garry Merkel <gmerkel@telus.net>
Sent: July 26, 2021 8:08:12 AM PDT

The 30th is challenging for me – but might be easier if I just skip the technical hour and come for the last 30 minutes

For the weeks in August – I will make whatever is needed but would prefer once a week meetings and try to do the rest through emails if that's possible.

My only real obstacle with the below is im in a plane the morning of the 11th so would prefer the 9th.

From: Rachel Holt <rachel@veridianecological.ca>
Sent: July 24, 2021 2:02 PM
To: Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>; Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Lisa Matthaus <lisa@organizingforchange.org>; Garry Merkel <gmerkel@telus.net>
Subject: OGTAP meetings schedule

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi All – Karen, Dave and I talked through our workplan on Friday afternoon, and had the following thoughts about meetings –

Tuesday Meeting 9.30 – 11.15 (existing):

- review of revised large forest map.
- Confirm cutblock layer is adequate for use
- Ask Deb to engage with regional ecologists to review against their own knowledge of very large stands (assuming we want to do this at this stage). Two day turn around.
- Invite Deb and other technical team

Thursday Meeting 11.30 – 1.00 (existing):

- Propose cancelling, IF we can reschedule for Friday, we imagine we are still working on maps.

Friday 30th (not in the calendar):

- Propose 9.30 – 11.00 meeting ??
- Invite technical staff for first hour as per last week
- Does this work for people?

Tuesday August 3rd or Weds 4th:

- Need a meeting to review overlay with cutblocks
- Propose 10 – 11.30 one or both days?
- Does this work for people?

Monday 9th / Weds 11th?

- Propose we get something in the calendar for possibly both days .. hard to imagine there will not be follow up to do.
- Monday – 9-10.30 ?
- Weds – 9 – 10.30 ?

Once we've nailed down the times, we'll leave it to the province to invite the technical people appropriately.

Thanks – Rachel..

Fwd: Fed Liberal OG commitment announced today

From: Lisa Matthaus <lisa@organizingforchange.org>
To: James Mack <james.mack@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>
Sent: August 21, 2021 4:28:09 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Seed capital for a transition fund, perhaps?

----- Forwarded message -----

From: **Lisa Matthaus** <lisa@organizingforchange.org>
Date: Sat., Aug. 21, 2021, 1:42 p.m.
Subject: Fed Liberal OG commitment announced today
To: BCLastStand <bclaststand@stand.earth>, OFC General <ofc@organizingforchange.org>

Check this out. Includes "\$50 million B.C. Old Growth Nature Fund, and working with partners to attract additional funding to further support the protection of important old growth forests"

<https://liberal.ca/liberals-move-forward-to-help-british-columbia-protect-old-growth-forests/>

Liberals move forward to help British Columbia protect old growth forests

August 21, 2021

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RE: Draft summary

From: DaveDaust KarenPrice <pricedau@telus.net>
To: DaveDaust KarenPrice <pricedau@telus.net>, Rachel Holt <rachel@veridianecological.ca>, Lisa Matthauss <lisa@organizingforchange.org>, Garry Merkel <gmerkel@telus.net>, Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>
Cc: Walton, Adrian P FLNR:EX <Adrian.Walton@gov.bc.ca>, MacKillop, Deb J FLNR:EX <Deb.MacKillop@gov.bc.ca>
Sent: August 23, 2021 12:13:44 PM PDT
Attachments: Summary for G2G package Aug 18 (dd Aug 23).docx

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi All,

I have made some minor updates to the table in the summary to address a misclassification of some woodland.
Dave

From: DaveDaust KarenPrice <pricedau@telus.net>

Sent: August 19, 2021 9:11 PM

To: Rachel Holt <rachel@veridianecological.ca>; Lisa Matthauss <lisa@organizingforchange.org>; Garry Merkel <gmerkel@telus.net>; Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>; Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>

Cc: Walton, Adrian P FLNR:EX <Adrian.Walton@gov.bc.ca>; MacKillop, Deb J FLNR:EX <Deb.MacKillop@gov.bc.ca>

Subject: Draft summary

Hi all,

Here's the last version from us. We're off tomorrow morning, so won't be able to respond to further suggestions. I've left track changes in so folks can see what I've changed after accepting all Lisa's post-meeting changes.

Dave and I think this version is ready to send out. Lisa, could you please check and accept changes? If something major seems a show-stopper at this point, Dave and I are happy to let Lisa and Garry decide.

I'd like to highlight a couple of points:

1. I've updated the table with the column showing higher priority forests (gets us to the 3.5M ha).
2. I've moved the deferral mechanisms into the text. I think this will help address the discrepancy between legal deferrals and other mechanisms. What do you think? The point is that there should be no logging in these areas—but that they don't all need legal deferrals.

I've also removed the map legends table—it's redundant now that we have the maps.

Thanks, Karen

Interim At-Risk Old Growth Deferral Maps

NB: this document and associate maps are intended as “interim” products to support Government-to-Government discussions. Greater detail on methodology and recommendations will be provided in the final documents expected in September.

The Provincial government committed to implement all recommendations of the [2020 Old Growth Strategic Review](#). Foundational recommendations include full involvement of Indigenous Nations in decisions and shifting the management paradigm from an economic focus to a focus on healthy ecosystems (Recommendations #1 and #2). Recommendation #6, one of two “immediate responses”, calls for harvest deferral in at-risk forests¹ to allow time, and maintain options, for implementation of the foundational recommendations:

Recommendation #6: “Until a new strategy is implemented, defer development in old forests where ecosystems are at very high and near-term risk of irreversible biodiversity loss.”

The Provincial government formed an [Old Growth Technical Advisory Panel](#) to develop and map science-based deferral recommendations. As requested, we have developed maps of candidate areas for deferral, based on Provincial government inventory, to inform Provincial and First Nation government decisions on harvest deferral. These maps are not intended to constrain the areas to be deferred, but to focus deferrals on priority ecological areas that reflect the most at-risk forests in the province, which may also support cultural and wider biodiversity values.

What is “deferral”?

Deferral pauses harvest pressure **temporarily** to allow time for developing new approaches to forest management and associated forest policy changes that will manifest the shift from “managing for timber (subject to constraints)” to “managing for ecosystem health”. **Deferral is not equivalent to protection.** Instead, deferral is intended to maintain high-value old forests in the short-term, providing an opportunity to design a new approach that will maintain healthy ecosystems, wildlife populations and cultural values. Meaningful deferrals occur in forests which would otherwise have been harvested.

Which forests are candidates for deferral?

The Provincial government has committed to deferring harvest in old growth forests that are at very high risk of irreversible biodiversity loss. In principle, all old growth forest² is irreplaceable in a human timeframe, and possibly in any timeframe given the climate crisis. However, some types of old growth forest are at higher risk of loss within the short-term. **These types are highest priority for deferral.** We mapped highest priority forest types based on the [2020 Old Growth Strategic Review](#) recommendations:

- **Old growth with large trees**, addressing high productivity forests—old forests with large trees are important for many reasons: their size and structural complexity provide a range of ecological functions not provided by smaller-statured forests; they store considerable amounts

¹ Throughout this report we will be using the term “at-risk forests” to mean those where “failure to act now could lead to the permanent loss of rare or unique ecosystem components,” as per the Old Growth Strategic Review (Rec. #6, p. 55). Where those at-risk forests face imminent logging (e.g., where there are approved or pending cutting permits) we refer to those as “threatened at-risk forests”.

² A map of total old growth in the province will be provided with the final Panel report by fall 2021.

of carbon; they provide specialized habitat; and they deliver special cultural and social values. This is what most people envision when they think of “old growth”. It is naturally rare and, in many ecosystems today, is even rarer because harvesting over the past century has targeted big trees (Map 1);

- **Ancient forest**—these very old forests are truly irreplaceable and have developed additional complexity over centuries to millennia, providing homes to a connected community of organisms (Map 2);
- **Rare old growth ecosystems**—these ecosystems have been heavily harvested so that very little old growth remains (Map 3), and
- **Intact watersheds**, addressing forest resilience—old growth within intact watersheds is most resilient to disturbance and highly valuable to biodiversity and wildlife (Map 5).

We have combined the first three types into one map (Map 4) for convenience.

Are there priorities amongst deferral candidates?

Among ecosystems: At the provincial scale, some forested ecosystems are not currently threatened because they have high levels of protection and/or little chance of being harvested; these ecosystems have low priority for deferrals. Draft maps show high-elevation woodland and sparsely-forested ecosystems as low priority for deferral, however, we are developing a more complete ecosystem prioritization process that will be provided as part of the Panel Final Report.

Within ecosystems: If all the at-risk forest identified within a forested ecosystem is not being deferred, we make additional recommendations about deferral priorities within ecosystems:

- **Areas with the largest trees within an ecosystem have highest priority.** The “Old growth with large trees” map (Map 1) identifies the biggest remaining old growth in every ecosystem. For some ecosystems, remaining old growth covers a wide span of tree sizes; the largest trees provide the most unique and irreplaceable habitats, are most at-risk, and therefore should be highest priority for deferral.
- **Identified forest outside conservation designations is highest priority.** Mapped forest within designated no-harvest areas does not need to be deferred. However, not all conservation designations prohibit harvest; identified forests may need additional deferral action in these cases. All maps show Tier 1 (harvest prohibited) and Tier 2 (harvest generally prohibited) designations underlying deferral candidates. These are low priority for deferral.
- **Forests with site index less than 10 are generally not at risk in the province have lower priority.** As an interim recommendation, these low-productivity forests across all old growth types and ecosystems should be considered a low priority for deferral because they are generally in good condition ~~less at risk and are rarely threatened by harvesting~~³.

Recruitment: Ecosystems with little remaining old forest face the highest risk in the province. Where old forest remains in these ecosystems, deferral is important; however, the remaining old forests may not be representative of original forests and / or may not be under threat (e.g., could all have relatively low productivity and smaller, old trees). Reducing risk in these ecosystems requires recruiting appropriate younger forest to grow old. Although the Provincial government has not committed to deferring recruitment forest, we have mapped potential recruitment areas for consideration where younger forests have large trees (Map 6).

³ These low-productivity and low site index forests are highlighted on the maps and are included in the data table for completeness.

Commented [KP1]: Trying to be careful with the language...they're in the 5M ha, so by definition are “at-risk”.

How were these maps developed?

The Old Growth Technical Advisory Panel followed the recommendations of the [2020 Old Growth Strategic Review](#) (Recommendation 6) to summarize and map at-risk old growth. Government analysts and ecologists collaborated with the Panel to provide data and discuss analysis methodology and other details.

Where are the maps?

High resolution maps and shapefiles of candidate deferral areas are available at [xxxx](#).

How much forest is included in deferral candidate areas?

The table below shows the area of each type of at-risk old growth, the unprotected area and the overlap with pending and active cutblocks. Active and Pending cutblocks represent immediate threat to at-risk old growth and are available in a database that can be analyzed, though they continually change as areas are harvested. Cutblocks being planned by licensees may pose future threats to deferral candidate areas, but they are generally not tracked or managed within a Provincial tenure system. We are therefore unable to assess the potential impacts of planned cutblocks.

The Panel recommends deferral (i.e., no development or harvesting)⁴ in all identified priority at-risk forests while the development of a new approach to forest management is underway, with the exception of ~~SI<10 areas and areas already protected~~ **and potentially SI<10 areas** (see above). Unprotected at-risk forests cover 5 Million hectares (see Table); higher priority at-risk forests cover 3.5 Million hectares.

There are several potential mechanisms for deferral, as described in the Old Growth Strategic Review (p. 56):

- a. Instruct BCTS to cease development and defer selling timber in the areas;
- b. Request authorized tenure holders to voluntarily defer development;
- c. Decline to authorize new permits or licences in deferral areas; and
- d. If necessary, establish regulatory provisions and incentives to enable deferrals."

Type of old growth	Total Area (Million ha)	Unprotected area (Million ha)	Unprotected higher priority area (Million ha)*	Overlap with active and pending cut-blocks (ha)
All forest	56.2	43.7	289.09	400,319
All old growth	10.8**	7.4	4.46	87,059
Priorities for deferral (includes old growth and some older mature to reach target)				
Old growth with large trees	7.23	4.8	3.64	
Ancient forest	0.6	0.4	0.2	
Rare old growth ecosystems	0.8	0.5	0.5	

⁴~~In the OGSR, Recommendation #6 (p. 56), the authors propose various mechanisms for deferrals, including:~~
~~"Instruct BCTS to cease development and defer selling timber in the areas;~~
~~Request authorized tenure holders to voluntarily defer development;~~
~~Decline to authorize new permits or licences in deferral areas; and~~
~~If necessary, establish regulatory provisions and incentives to enable deferrals."~~

Intact watersheds	N/A	N/A	<u>N/A</u>	
Total priority at-risk forest ***	7.6	5.0	<u>3.75</u>	68,798 (threatened at-risk forests)
Total recruitment	0.4	0.3	<u>0.23</u>	4,859

*Higher priority forest excludes woodland, sparsely forested and SI<10.

**The Province's updated forest layer suggests less old growth remains than previous estimates. A fulsome discussion of this issue will be provided in the Panel's Final Report.

***Total area is less than the sum of the layers because different types of at-risk forest overlap.

How reliable are the maps?

Although these maps are developed at the provincial scale and limited by data quality, we believe that they are adequate to guide meaningful deferrals immediately. To help us determine how best to map at-risk old growth, we assessed the reliability of datasets by comparing inventory data to ground plots. That analysis showed good support for using measurements of tree height and diameter to map the remaining largest old forest in the province.

We also found that inventoried forest age is less reliable, particularly for ancient forests. We have therefore modified the mapping of recommendations of the [2020 Old Growth Strategic Review](#) slightly to improve reliability in identifying ancient forests and have used the Province's definition for "very old" forests. We expect more ancient forests to be identified on the ground.

We do expect the maps to miss some areas of high value old forest, known well by people who walk the land. We also expect that they will show some areas that do not contain the mapped values, either due to inventory error or because the forest has been subsequently logged or burned. We recommend that First Nations and others build on the maps to address these errors, for example, by identifying known high-value forests that meet minimum criteria on the ground, but are missing from the maps, as potential areas for deferral.

The Provincial forest inventory system was developed for timber purposes and does not identify old forests well; therefore, we recommend a precautionary approach that defers old forest until it is demonstrated to not meet criteria.

What values do the maps not include?

These maps focus on criteria designed to capture at-risk old growth laid out in the [2020 Old Growth Strategic Review](#) and do not explicitly identify other high-value old forest. For example, the maps do not identify old forest critical to wildlife species (e.g., mountain caribou, spotted owl, marbled murrelet), old forest that forms the backbone to healthy salmon streams, old and primary forests critical to carbon storage and climate adaptation, or old forests critical to supporting cultural practices (e.g., monumental cedar forests). We have not attempted to map these forests at this time, but expect these values to be included in resilience planning that is also mandated in the recommendations as part of the paradigm shift. The areas mapped as priority deferral candidates likely include forest that captures some of these values and may form the core of a more complete strategy.

Recommendations

The [Old Growth Technical Advisory Panel](#) final report will include recommendations relating to identification of old growth and data use. In the interim, to support urgent conversations between Provincial and First Nations governments, we recommend the following:

- Defer harvest in mapped at-risk old forests (old growth with large trees, ancient forest, rare old growth ecosystems). Avoid creating deferrals in the not-at-risk portions of the maps in order to ensure meaningful deferrals.
 - Ensure no new logging permits are approved in these areas and no planning for future harvesting occurs until the new management system identifies what can be logged and how it can be logged.
 - Some of the identified at-risk old forests already have some form of conservation designation. Where harvest is prohibited or generally prohibited ensure such prohibition continues.
- Add areas of high-value old forest known on the ground but not shown on the maps (the [main upcoming Final Report](#) will suggest criteria for addition).
- Defer harvest in the most intact watersheds for each region and ecosystem.
 - Deferral of harvest in intact watersheds is critical to maintaining values. Additional recommendations will be provided in the Panel's Final Report.
- Consider how to address recruitment. We recommend extending immediate deferrals to include recruitment areas in ecosystems that are at very high risk to facilitate future planning for ecosystem recovery. Additional guidance will be provided in the [OG-TAPP Panel's](#) Final Report.

Map 1: Old Growth With Large Trees

This map addresses the [2020 Old Growth Strategic Review](#) Recommendation #6.3e for deferrals in highly productive forests.

Old forests with large trees provide ecological functions not provided by smaller-statured forests, store vast amounts of carbon above and below ground, provide specialized habitat, and deliver important cultural and social values. Large old forests are very rare and globally, provincially and regionally significant. Large-treed forests are rarer than small-treed forests in BC's forested ecosystems because industrial harvesting has typically targeted the largest trees. In some ecosystems, the original massive forests have been extirpated.

Large-treed forests can grow under different ecological circumstances. For example, highly productive valley bottoms generally grow large trees and develop complex structure more quickly than adjacent steep slopes. Given sufficient time, some lower productivity sites can also grow large trees and develop complex structure. Some low productivity sites, such as bog or subalpine forests, will never grow large-structured forests, irrespective of how long they have ~~grown~~to grow.

This map shows the remaining old forest with the largest—tallest and fattest—trees in each forested ecosystem in the province, as described by forest inventory data using tree height and tree diameter.

These two variables were found to be the most reliable indicators in the strategic dataset for what is actually measured on the ground. For each ecosystem, the map shows a threshold of either 10% of the forested area, or 30% of the naturally expected amount of old. This reflects ecological variability in the natural historic levels of old for each ecosystem.

Because many ecosystems have little old forest remaining, we identify old forest first, and then add older mature forest as needed to reach the threshold. Due to inventory uncertainty, many of these forests will likely be old growth. These areas have high priority for deferral.

Methods

Within each BEC subzone/variant identify stands with the largest trees ~~that reflect~~ until area selected reaches the greater of either ~~the top/best~~ 10% of the total FALB ~~forest~~ area or the ~~top/best~~ 30% of the area of old forest that is naturally expected in each BEC subzone/variant.⁵

Stands comprised of old forest were prioritized. If a BEC subzone/variant did not contain enough old forest to meet the 10%/30% area goal, then stands with the largest trees in the “older mature”⁶ ~~would be~~ were selected.

Map 2. Ancient Forest

This map addresses the [2020 Old Growth Strategic Review Recommendation #6.3c](#) for deferrals in ancient forests.

Ancient forests are old growth forests that have remained undisturbed for a very long time, and so are very old.

Ancient forests are truly irreplaceable if they are harvested. Their biodiversity values are very high due to their age and to the structural and biological complexity that has developed over this time. They often, though not always, have larger-sized trees than younger stands. Ancient forests support unique communities of species above and below ground. They also store extremely high levels of carbon in the soil and in the trees that has built up over centuries to millenia.

This map shows the forests described in provincial forest inventory data as older than 400 years (for ecosystems with rare stand-replacing disturbance) and 250 years (for ~~other drier~~ ecosystems with higher disturbance rates). These thresholds use the provincial standard for identifying ‘very old’ forests [BC Land Management Handbook 25]. Because age data are unreliable for very old forests, we expect additional areas of ancient forest to be identified on the ground.

Methods

Ancient forests were defined using Structural Stage 7b (“very old”) from Land Management Handbook 25 (Province of British Columbia 2010), where ancient is >400 in NDT 1, 2, 4 and >250 in NDT3.

⁵ Based on BECv12, NDT, and updated disturbance information for coastal and interior NDT1 ecosystems.

⁶ As defined in the Landscape Unit Planning Guide (1999) as >200 where old forests are defined as > 250 and >120 where old forests are defined as >140.

Map 3. Rare Old Forest

This map addresses the [2020 Old Growth Strategic Review Recommendation #6.3a](#) and [#6.3b](#) for deferrals in ecosystems with little remaining old forest.

Forested ecosystems—and the values they support—are at high risk where very little old forest remains.

This map shows old forest remaining in ecosystems where less than 10% is old today. Old forest is defined as older than 250 years in wetter ecosystems and older than 140 years in drier ecosystems. The map highlights where the productive forested ecosystems (described by biogeoclimatic variant and Site Index >10) ~~has~~ have less than 10% old forest remaining, and where geographic areas within ~~these~~ forested ecosystems (described by landscape units) have less than 10% remaining. Remnant old patches are typically small and fragmented by harvesting and other disturbances, but may have high value locally and regionally in maintaining old forest values in these highly disturbed ecosystems.

Methods

Rare forest maps include all polygons that were mapped as old in VRI and were within a BEC subzone/variant or a BEC subzone/variant within a Landscape Unit where old forests ~~was~~ comprised <10% of the productive forest area.⁷

Map 4. Overlay of Maps 1, 2 and 3

This map summarises Maps 1 – 3, showing ancient and rare forest that is incremental to large-treed old forest.

Map 5: Intact Watersheds

This map addresses the [2020 Old Growth Strategic Review Recommendation #6.3d](#) for deferrals in areas with a high potential to contribute towards ecosystem resilience.

Intact watersheds are free, or largely free, from anthropogenic modification of forest composition, structure, and function. They have high ecological integrity and resilience, and are globally and provincially rare. In the context of deferrals, maintaining intact watersheds provides opportunities to plan for long-term resilience.

This map shows watershed intactness based on the amount of logging and roads in each watershed. Colours on the map differentiate amongst watersheds that are more than 70%, 80% and 90% unmodified. We are creating a map showing the top 10% most intact watersheds within each resource region for release with the Final Panel Report.

Methods

The Intact Watersheds map show the watersheds where >70% of the FALB ~~forest~~ has not been disturbed by forest harvesting or roads. Watersheds were further stratified into either >70%, >80%, or >90% intactness.

⁷ Productive forest is defined in this analysis as the portion of the FALB with a site index > 10.

Additional analyses and prioritization by natural resource region and BEC subzone/variant is still forthcoming from the Panel.

Map 6. Recruitment Forest With Large Trees

The recruitment map is a companion to the map of Old Forest With Large Trees (Map 1). In some ecosystems, insufficient old and older mature forest remains to meet minimum targets. For these ecosystems, the map shows younger forests (over 80 years) with the largest trees that could “recruit” into large-structured old forest in the shortest timeframes. These areas are not ‘old forest’ deferrals, but should be considered for deferral to allow recovery and reduction in risk for the very highest risk ecosystems in the province.

Methods

Recruitment Forest represent supplemental areas to “Map 1: Old Growth with Large Trees”. If a BEC subzone/variant did not contain enough area of old or “older mature” forest to meet the 10%/30% area goal, then stands with the largest trees in younger forest were selected as potential “recruitment” areas.

General Methods

Spatial Data Preparation

The Panel analysis used a Forest Assessment Land Base (FALB) which was a modified version of the provincial Vegetation Inventory (Vegetation Composite Polygons Rank 1 Layer, aka VRI) forest management land base (FMLB).

Biogeoclimatic Ecosystem Classification (BEC) subzone/variant mapping version 12 (to be published by Sept 2021) defined seral stages (e.g., minimum age of old), natural disturbance type (NDT), and associated measures such as % expected natural old forest by BEC subzone/variant.

Ages in the 2020 VRI were adjusted for:

- Harvest: changed to early seral using the newly released consolidated cutblocks layer (July 2021)
- Fires: changed to early seral for moderate and high severity portions of fires that burned between 2007 and 2020
- Mortality: changed to early seral where the percent dead > 70% in VRI polygons (mostly mountain pine beetle)

Note that some areas of the province lack complete vegetation inventory information and as a result cannot be assigned a seral stage (e.g. Old Forest). This comprises ~3% of the FMLB.

Underlay 1. Protected area

Protected areas are comprised of: National Park, Ecological Reserve, Provincial Park, Conservancy, Protected Area, Heritage Site, Recreation Area, Regional Park, Ungulate Winter Range: No harvest, Wildlife Habitat Area: No harvest, Biodiversity Mining and Tourism Area, Sea to Sky Wildland Zone, Special Wildland RMZ in Muskwa Kechika MA, Nihaxten/Cayoosh Wildland Area, South Chilcotin Mountains Mining and Tourism Areas, NGO Fee Simple Conservation Lands, Great Bear Rainforest (GBR) Special Forest Management Areas, Old Growth Management Area (OGMA): Legal, Old Growth Management Area (OGMA): Non-Legal, Class1 Coast Grizzly Bear Habitat (Coast LUP)

Underlay 2. Low threat ecosystems

These are areas where any occurring old growth has a very low probability of being at-risk from forest harvesting. These areas are: BEC woodland ecosystems, areas that are sparsely treed, and areas with a site index less than 10m.

Underlay 3. FALB

Described above in Spatial Data Preparation

Map Legend and Spatial Data Contents

Title of Map Layer	Identifier	Legend Entry	PDF-Map Colour (draft)
Map 1. Old growth with large trees	1	Older mature forest	Orange
	2	Old growth	Red
Map 2. Ancient forest	1	Ancient forest	Pink
Map 3. Rare old forest	1	Rare within a BEC-variant scale	Blue
	2	Rare within a landscape unit scale within a BEC-variant	Indigo
Map 4. Overlay of maps 1, 2 and 3	1	Old forest with large trees	Red
	2	Ancient forest	Pink
	3	Rare forest	Blue
Map 5. Intact watersheds	8	70 – 80% intact	Light green
	9	80 – 90% intact	Mid green
	10	>90% intact	Dark green
Map 6. Recruitment forest	1	Recruitment forest	Orange
Underlay 1. Protected area	1	Harvest-prohibited or generally-prohibited	Grey-underlay
Underlay 2. Low threat ecosystems	1	Ecosystem “woodland”, sparsely treed (SWB), and areas with site index less than 10m	Pale grey underlay
Underlay 3. FALB	1	Forest Assessment Land Base	Pale yellow

Commented [KP2]: Shouldn't need the data legend to go out—it's on the maps. This was a preparatory table.

RE: Draft summary

From: lisa@organizingforchange.org
To: DaveDaust KarenPrice <pricedau@telus.net>, Rachel Holt <rachel@veridianecological.ca>, Garry Merkel <gmerkel@telus.net>, Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>
Cc: Walton, Adrian P FLNR:EX <Adrian.Walton@gov.bc.ca>, MacKillop, Deb J FLNR:EX <Deb.MacKillop@gov.bc.ca>
Sent: August 23, 2021 12:28:34 PM PDT
Attachments: Summary for G2G package Aug 23 FINAL.docx

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Thanks for this, Dave. I note the changes were made on a previous version of the summary, but Dave only changed numbers in the table. I've transcribed those changes into the final version of the summary, not in track changes to avoid confusion. So THIS, no really, is the final version, with Dave's updated table included.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change
~ Priorities for Environmental Leadership ~
250-888-5194 (c)
www.organizingforchange.org

From: DaveDaust KarenPrice <pricedau@telus.net>
Sent: August 23, 2021 12:14 PM
To: DaveDaust KarenPrice <pricedau@telus.net>; Rachel Holt <rachel@veridianecological.ca>; Lisa Matthaus <lisa@organizingforchange.org>; Garry Merkel <gmerkel@telus.net>; Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>; Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>
Cc: Walton, Adrian P FLNR:EX <Adrian.Walton@gov.bc.ca>; MacKillop, Deb J FLNR:EX <Deb.MacKillop@gov.bc.ca>
Subject: RE: Draft summary

Hi All,

I have made some minor updates to the table in the summary to address a misclassification of some woodland.
Dave

From: DaveDaust KarenPrice <pricedau@telus.net>
Sent: August 19, 2021 9:11 PM
To: Rachel Holt <rachel@veridianecological.ca>; Lisa Matthaus <lisa@organizingforchange.org>; Garry Merkel <gmerkel@telus.net>; Muter, David FLNR:EX <David.Muter@gov.bc.ca>; Mack, James ENV:EX <James.Mack@gov.bc.ca>; Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>
Cc: Walton, Adrian P FLNR:EX <Adrian.Walton@gov.bc.ca>; MacKillop, Deb J FLNR:EX <Deb.MacKillop@gov.bc.ca>
Subject: Draft summary

Hi all,

Here's the last version from us. We're off tomorrow morning, so won't be able to respond to further suggestions. I've left track changes in so folks can see what I've changed after accepting all Lisa's post-meeting changes.

Dave and I think this version is ready to send out. Lisa, could you please check and accept changes? If something major seems a show-stopper at this point, Dave and I are happy to let Lisa and Garry decide.

I'd like to highlight a couple of points:

1. I've updated the table with the column showing higher priority forests (gets us to the 3.5M ha).
2. I've moved the deferral mechanisms into the text. I think this will help address the discrepancy between legal deferrals and other mechanisms. What do you think? The point is that there should be no logging in these areas—but that they don't all need legal deferrals.

I've also removed the map legends table—it's redundant now that we have the maps.

Thanks, Karen

Interim At-Risk Old Growth Deferral Maps

NB: this document and associate maps are intended as “interim” products to support Government-to-Government discussions. Greater detail on methodology and recommendations will be provided in the final documents expected in September.

The Provincial government committed to implement all recommendations of the [2020 Old Growth Strategic Review](#). Foundational recommendations include full involvement of Indigenous Nations in decisions and shifting the management paradigm from an economic focus to a focus on healthy ecosystems (Recommendations #1 and #2). Recommendation #6, one of two “immediate responses”, calls for harvest deferral in at-risk forests¹ to allow time, and maintain options, for implementation of the foundational recommendations:

Recommendation #6: “Until a new strategy is implemented, defer development in old forests where ecosystems are at very high and near-term risk of irreversible biodiversity loss.”

The Provincial government formed an [Old Growth Technical Advisory Panel](#) to develop and map science-based deferral recommendations. As requested, we have developed maps of candidate areas for deferral, based on an analysis using the Provincial government inventory, to inform Provincial and First Nation government decisions on harvest deferral. These maps are not intended to constrain the areas to be deferred, but to focus deferrals on priority ecological areas that reflect the most at-risk forests in the province, which may also support cultural and wider biodiversity values.

What is “deferral”?

Deferral pauses harvest pressure **temporarily** to allow time for developing new approaches to forest management and associated forest policy changes that will manifest the shift from “managing for timber (subject to constraints)” to “managing for ecosystem health”. **Deferral is not equivalent to protection**. Instead, deferral is intended to maintain high-value old forests in the short-term, providing an opportunity to design a new approach that will focus on maintaining healthy ecosystems. Meaningful deferrals occur in forests which would otherwise have been harvested.

Which forests are candidates for deferral?

The Provincial government has committed to deferring harvest in old growth forests that are crucial for maintaining ecosystems that are at very high risk of irreversible biodiversity loss. In principle, all old growth forest² is irreplaceable in a human timeframe, and possibly in any timeframe given the climate crisis. However, some types of old growth forest are in ecosystems that are at higher risk of loss within the short-term. **These types are highest priority for deferral**. We mapped highest priority forest types based on the [2020 Old Growth Strategic Review](#) suggestions:

- **Old growth with large trees**, addressing high productivity forests—old forests with large trees are important for many reasons: their size and structural complexity provide a range of

¹ Throughout this report we will be using the term “at-risk forests” to mean those where “failure to act now could lead to the permanent loss of rare or unique ecosystem components,” as per the Old Growth Strategic Review (Rec. #6, p. 55). Where those at-risk forests face imminent logging (e.g., where there are approved or pending cutting permits) we refer to those as “threatened at-risk forests”.

² A map of total old growth in the province will be provided with the final Panel report by fall 2021.

ecological functions not provided by smaller-statured forests; they store considerable amounts of carbon; they provide specialized habitat; and they deliver special cultural and social values. This is what most people envision when they think of “old growth”. It is naturally rare and, in many ecosystems today, is even rarer because harvesting over the past century has targeted big trees (Map 1);

- **Ancient forest**—these very old forests are truly irreplaceable and have developed additional complexity over centuries to millennia, providing homes to a connected community of organisms (Map 2);
- **Rare old growth ecosystems**—these ecosystems have been heavily harvested so that very little old growth remains (Map 3), and
- **Intact watersheds**, addressing forest resilience—old growth within intact watersheds is most resilient to disturbance and highly valuable to biodiversity and wildlife (Map 5).

We have combined the first three types into one map (Map 4) for convenience.

Are there priorities amongst deferral candidates?

Among ecosystems: At the provincial scale, some forested ecosystems are not currently threatened because they have high levels of protection and/or little chance of being harvested; these ecosystems have low priority for deferrals. Draft maps show high-elevation woodland and sparsely forested ecosystems as low priority for deferral, however, we are developing a more complete ecosystem prioritization process that will be provided as part of the Panel Final Report.

Within ecosystems: If all the at-risk forest identified within a forested ecosystem is not being deferred, we make additional recommendations about deferral priorities within ecosystems:

- **Areas with the largest trees within an ecosystem have highest priority.** The “Old growth with large trees” map (Map 1) identifies the biggest remaining old growth in every ecosystem. For some ecosystems, remaining old growth covers a wide span of tree sizes; the largest trees provide the most unique and irreplaceable habitats, are most at-risk, and therefore should be highest priority for deferral.
- **Identified forest outside conservation designations is highest priority.** Mapped forest within designated no-harvest areas does not need to be deferred. However, not all conservation designations prohibit harvest; identified forests may need additional deferral action in these cases. All maps show Tier 1 (harvest prohibited) and Tier 2 (harvest generally prohibited) designations underlying deferral candidates. These are low priority for deferral.
- **Forests with site index less than 10 generally have lower priority.** As an interim recommendation, these low-productivity forests across all old growth types and ecosystems should be considered a lower priority for deferral because they are generally less at risk and rarely threatened by harvesting³.

Recruitment: Ecosystems with little remaining old forest face the highest risk in the province. Where old forest remains in these ecosystems, deferral is important; however, the remaining old forests may not be representative of original forests and / or may not be under threat (e.g., could all have relatively low productivity and smaller, old trees). Reducing risk in these ecosystems requires recruiting appropriate younger forest to grow old. Although the Provincial government has not committed to deferring

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recruitment forest, we have mapped potential recruitment areas for consideration where younger forests have large trees (Map 6).

How were these maps developed?

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The Panel recommends deferral (i.e., no development or harvesting) in all identified priority at-risk forests while the development of a new approach to forest management is underway, with the exception of areas already protected and potentially SI<10 areas (see above). Unprotected at-risk forests cover 5 million hectares (see Table); higher priority at-risk forests cover 3.5 million hectares.

There are several potential mechanisms for deferral, including examples described in the Old Growth Strategic Review (p. 56):

- a. “Instruct BCTS to cease development and defer selling timber in the areas;
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All old growth	10.8**	7.4	4.6	87,059
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Rare old growth ecosystems	0.8	0.5	0.5	
Intact watersheds	N/A	N/A	N/A	

Total priority at-risk forest ***	7.6	5.0	3.7	68,798 (threatened at-risk forests)
Total recruitment	0.4	0.3	0.2	4,859

*Higher priority forest excludes woodland, sparsely forested and SI<10.

**The Province’s updated forest layer suggests less old growth remains than previous estimates. A fulsome discussion of this issue will be provided in the Panel’s Final Report.

***Total area is less than the sum of the layers because different types of at-risk forest overlap.

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We do expect the maps to miss some areas of high value old forest, known well by people who walk the land. We also expect that they will show some areas that do not contain the mapped values, either due to inventory error or because the forest has been subsequently logged or burned. We recommend that First Nations and others build on the maps to address these errors, for example, by identifying known high-value forests that meet minimum criteria on the ground, but are missing from the maps, as potential areas for deferral.

The Provincial forest inventory system was developed for timber purposes and does not identify old forests well; therefore, we recommend a precautionary approach that defers old forest until it is demonstrated to not meet criteria.

What values do the maps not include?

These maps focus on criteria designed to capture at-risk old growth laid out in the [2020 Old Growth Strategic Review](#) and do not explicitly identify other high-value old forest. For example, the maps do not identify old forest critical to wildlife species (e.g., mountain caribou, spotted owl, marbled murrelet), old forest that forms the backbone to healthy salmon streams, old and primary forests critical to carbon storage and climate adaptation, or old forests critical to supporting cultural practices (e.g., monumental cedar forests). We have not attempted to map these forests at this time but expect these values to be included in resilience planning that is also mandated in the recommendations as part of the paradigm shift. The areas mapped as priority deferral candidates likely include forest that captures some of these values and may form the core of a more complete strategy.

Recommendations

The [Old Growth Technical Advisory Panel](#) final report will include recommendations relating to identification of old growth and data use. In the interim, to support urgent conversations between Provincial and First Nations governments, we recommend the following:

- Defer harvest in mapped at-risk old forests (old growth with large trees, ancient forest, rare old growth ecosystems). Avoid creating deferrals in the not-at-risk portions of the maps in order to ensure meaningful deferrals.
 - Ensure no new logging permits are approved in these areas and no planning for future harvesting occurs until the new management system identifies what can be logged and how it can be logged.
 - Some of the identified at-risk old forests already have some form of conservation designation. Where harvest is prohibited or generally prohibited ensure such prohibition continues.
- Add areas of high-value old forest known on the ground but not shown on the maps (the upcoming Final Report will suggest criteria for addition).
- Defer harvest in the most intact watersheds for each region and ecosystem.
 - Deferral of harvest in intact watersheds is critical to maintaining values. Additional recommendations will be provided in the Panel’s Final Report.
- Consider how to address recruitment. We recommend extending immediate deferrals to include recruitment areas in ecosystems that are at very high risk to facilitate future planning for ecosystem recovery. Additional guidance will be provided in the Panel’s Final Report.

Map 1: Old Growth With Large Trees

This map addresses the [2020 Old Growth Strategic Review Recommendation #6.3e](#) for deferrals in highly productive forests.

Old forests with large trees provide ecological functions not provided by smaller-statured forests, store vast amounts of carbon above and below ground, provide specialized habitat, and deliver important cultural and social values. Large old forests are very rare and globally, provincially and regionally significant. Large-treed forests are rarer than small-treed forests in BC’s forested ecosystems because industrial harvesting has typically targeted the largest trees. In some ecosystems, the original massive forests have been extirpated.

Large-treed forests can grow under different ecological circumstances. For example, highly productive valley bottoms generally grow large trees and develop complex structure more quickly than adjacent steep slopes. Given sufficient time, some lower productivity sites can also grow large trees and develop complex structure. Some low productivity sites, such as bog or subalpine forests, will never grow large-structured forests, irrespective of how long they have to grow.

This map shows the remaining old forest with the largest—tallest and fattest—trees in each forested ecosystem in the province, as described by forest inventory data using tree height and tree diameter. These two variables were found to be the most reliable indicators in the strategic dataset for what is actually measured on the ground. For each ecosystem, the map shows a threshold of either 10% of the forested area, or 30% of the naturally expected amount of old. This reflects ecological variability in the natural historic levels of old for each ecosystem.

Because many ecosystems have little old forest remaining, we identify old forest first, and then add older mature forest as needed to reach the threshold. Due to inventory uncertainty, many of these forests will likely be old growth. These areas have high priority for deferral.

Methods

Within each BEC subzone/variant identify stands with the largest trees until area selected reaches the greater of either 10% of the total forest area or 30% of the area of old forest that is naturally expected.⁴ Stands comprised of old forest were prioritized. If a BEC subzone/variant did not contain enough old forest to meet the 10%/30% area goal, then stands with the largest trees in the “older mature”⁵ were selected.

Map 2. Ancient Forest

This map addresses the [2020 Old Growth Strategic Review](#) Recommendation #6.3c for deferrals in ancient forests.

Ancient forests are old growth forests that have remained undisturbed for a very long time, and so are very old.

Ancient forests are truly irreplaceable if they are harvested. Their biodiversity values are very high due to their age and to the structural and biological complexity that has developed over this time. They often, though not always, have larger-sized trees than younger stands. Ancient forests support unique communities of species above and below ground. They also store extremely high levels of carbon in the soil and in the trees that has built up over centuries to millennia.

This map shows the forests described in provincial forest inventory data as older than 400 years (for ecosystems with rare stand-replacing disturbance) and 250 years (for ecosystems with higher disturbance rates). These thresholds use the provincial standard for identifying ‘very old’ forests [BC Land Management Handbook 25]. Because age data are unreliable for very old forests, we expect additional areas of ancient forest to be identified on the ground.

Methods

Ancient forests were defined using Structural Stage 7b (“very old”) from Land Management Handbook 25 (Province of British Columbia 2010), where ancient is >400 in NDT 1, 2, 4 and >250 in NDT3.

Map 3. Rare Old Forest

This map addresses the [2020 Old Growth Strategic Review](#) Recommendation #6.3a and #6.3b for deferrals in ecosystems with little remaining old forest.

Forested ecosystems—and the values they support—are at high risk where very little old forest remains.

This map shows old forest remaining in ecosystems where less than 10% is old today. Old forest is defined as older than 250 years in wetter ecosystems and older than 140 years in drier ecosystems. The map highlights where productive forested ecosystems (described by biogeoclimatic variant and Site Index >10) have less than 10% old forest remaining, and where geographic areas within these ecosystems (described by landscape units) have less than 10% remaining. Remnant old patches are typically small and fragmented by harvesting and other disturbances but may have high value locally and regionally in maintaining old forest values in these highly disturbed ecosystems.

⁴ Based on BECv12, NDT, and updated disturbance information for coastal and interior NDT1 ecosystems.

⁵ As defined in the Landscape Unit Planning Guide (1999) as >200 where old forests are defined as > 250 and >120 where old forests are defined as >140.

Methods

Rare forest maps include all polygons that were mapped as old in VRI and were within a BEC subzone/variant or a BEC subzone/variant within a Landscape Unit where old forests comprised <10% of the productive forest area.⁶

Map 4. Overlay of Maps 1, 2 and 3

This map summarises Maps 1 – 3, showing ancient and rare forest that is incremental to large-treed old forest.

Map 5: Intact Watersheds

This map addresses the [2020 Old Growth Strategic Review Recommendation #6.3d](#) for deferrals in areas with a high potential to contribute towards ecosystem resilience.

Intact watersheds are free, or largely free, from anthropogenic modification of forest composition, structure, and function. They have high ecological integrity and resilience, and are globally and provincially rare. In the context of deferrals, maintaining intact watersheds provides opportunities to plan for long-term resilience.

This map shows watershed intactness based on the amount of logging and roads in each watershed. Colours on the map differentiate amongst watersheds that are more than 70%, 80% and 90% unmodified. We are creating a map showing the top 10% most intact watersheds within each resource region for release with the Final Panel Report.

Methods

The Intact Watersheds map show the watersheds where >70% of the forest has not been disturbed by forest harvesting or roads. Watersheds were further stratified into either >70%, >80%, or >90% intactness.

Additional analyses and prioritization by natural resource region and BEC subzone/variant is forthcoming from the Panel.

Map 6. Recruitment Forest With Large Trees

The recruitment map is a companion to the map of Old Forest With Large Trees (Map 1). In some ecosystems, insufficient old and older mature forest remains to meet minimum targets. For these ecosystems, the map shows younger forests (over 80 years) with the largest trees that could “recruit” into large-structured old forest in the shortest timeframes. These areas are not ‘old forest’ deferrals but should be considered for deferral to allow recovery and reduction in risk for the very highest risk ecosystems in the province.

Methods

⁶ Productive forest is defined in this analysis as the portion of the FALB with a site index > 10.

Recruitment Forest represent supplemental areas to “Map 1: Old Growth with Large Trees”. If a BEC subzone/variant did not contain enough area of old or “older mature” forest to meet the 10%/30% area goal, then stands with the largest trees in younger forest were selected as potential “recruitment” areas.

General Methods

Spatial Data Preparation

The Panel analysis used a Forest Assessment Land Base (FALB) which was a modified version of the provincial Vegetation Inventory (Vegetation Composite Polygons Rank 1 Layer, aka VRI) forest management land base (FMLB).

Biogeoclimatic Ecosystem Classification (BEC) subzone/variant mapping version 12 (to be published by Sept 2021) defined seral stages (e.g., minimum age of old), natural disturbance type (NDT), and associated measures such as % expected natural old forest by BEC subzone/variant.

Ages in the 2020 VRI were adjusted for:

- Harvest: changed to early seral using the newly released consolidated cutblocks layer (July 2021)
- Fires: changed to early seral for moderate and high severity portions of fires that burned between 2007 and 2020
- Mortality: changed to early seral where percent dead > 70% in VRI polygons (mostly mountain pine beetle)

Note that some areas of the province lack complete vegetation inventory information and as a result cannot be assigned a seral stage (e.g. Old Forest). This comprises ~3% of the FMLB.

Underlay 1. Protected area

Protected areas are comprised of: National Park, Ecological Reserve, Provincial Park, Conservancy, Protected Area, Heritage Site, Recreation Area, Regional Park, Ungulate Winter Range: No harvest, Wildlife Habitat Area: No harvest, Biodiversity Mining and Tourism Area, Sea to Sky Wildland Zone, Special Wildland RMZ in Muskwa Kechika MA, Nlhaxten/Cayoosh Wildland Area, South Chilcotin Mountains Mining and Tourism Areas, NGO Fee Simple Conservation Lands, Great Bear Rainforest (GBR) Special Forest Management Areas, Old Growth Management Area (OGMA): Legal, Old Growth Management Area (OGMA): Non-Legal, Class1 Coast Grizzly Bear Habitat (Coast LUP)

Underlay 2. Low threat ecosystems

These are areas where any occurring old growth has a very low probability of being at-risk from forest harvesting. These areas are: BEC woodland ecosystems, areas that are sparsely treed, and areas with a site index less than 10m.

Underlay 3. FALB

Described above in Spatial Data Preparation

RE: Update on FNs pkg?

From: Mack, James ENV:EX <James.Mack@gov.bc.ca>
To: Lisa Matthauss <lisa@organizingforchange.org>
Sent: August 25, 2021 9:47:33 AM PDT

Neither have gone out. It's well understood that any comms that include the OGTAP needs to be run through the Panel in advance.

We're working through the system now on the letter/comms/ as well as the next steps around deferrals etc. I'm happy to talk one-on-one (I have some room from 12-2 and again after 4pm) unless you want to look into getting David and others in for a broader update.

From: Lisa Matthauss <lisa@organizingforchange.org>
Sent: August 25, 2021 9:39 AM
To: Mack, James ENV:EX <James.Mack@gov.bc.ca>
Subject: Update on FNs pkg?

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, James - I think you're back this week? I've been trying to get David's availability for a meeting this week but no luck. I mainly want to get an update on what's happening with the FNs package, has it gone out yet? We were supposed to see the final version of the letter but have not seen anything since submitting our suggestions last week. But it would be good to get that out the door.

Also, the news release. I had a chat with Min Heyman on Monday and it sounded like that was going to happen, once the package to FNs was out. We definitely need to see that before it goes out. Again, nothing since we submitted our suggestions last week.

I'm in touch with Rachel this week and she'd be available for a call if we can pull one together. Or I can get some updates and at least pass that on to the others.

I've got a flexible morning after about 10:15 this morning if it's easier to talk on the phone.

Lisa

Re: ENGO briefing

From: Mack, James ENV:EX <James.Mack@gov.bc.ca>
To: Lisa Matthauss <lisa@organizingforchange.org>
Sent: October 5, 2021 9:31:01 PM PDT

This is great - thanks

Sent from my iPhone

On Oct 5, 2021, at 9:28 PM, Lisa Matthauss <lisa@organizingforchange.org> wrote:

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi, James - the individuals associated with the groups discussed:

- Jessica Clogg, ED, West Coast Environmental Law
- Hannah Askew, ED, Sierra Club BC (Jens is lead on this issue but MGH may not be keen on him participating based on last meeting)
- Devon Page, ED, Ecojustice
- Robyn Duncan, ED, Wildsight (she may defer to John Bergenske on this issue)
- Tzaporah Berman, STAND.Earth
- Nicole Rycroft, ED, Canopy
- Torrance Coste, Wilderness Committee (MGH, again, may prefer someone else, likely Joe Foy)
- Andrea Innes, Ancient Forest Alliance
- Candace Batycki, BC & Yukon Director, Yellowstone to Yukon (she may defer to Tim Burkhart)

Some groups have built more of a media presence on these issues than others (SCBC, AFA, WC, STAND) but the others reach into different supporter bases that may be helpful in generating positive responses, e.g., Canopy or Y2Y. Or bring a particular First Nations lens that could also be helpful (WCEL).

Lisa

Part 13s for deferrals - interesting idea...

From : lisa@organizingforchange.org
To: David FLNR:EX Muter <David.Muter@gov.bc.ca>, Brian Bawrinheimer <Brian.Bawrinheimer@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, Bawrinheimer, Brian FLNR:EX <Brian.Bawrinheimer@gov.bc.ca>, Muter, David FLNR:EX <David.Muter@gov.bc.ca>
Cc: Garry Merkel <gmerkel@telus.net>, Rachel Holt <rachel@veridianecological.ca>, DaveDaust KarenPrice <pricedau@telus.net>, Karen Price <s.22 >
Sent: October 15, 2021 3:55:39 PM PDT

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Sorry for all the email, but things are coming at me fast and furious that may be helpful...

This was a note from Jessica Clogg, ED of West Coast Environmental Law and one of the best resource law brains in the province, following the ENGO briefing:

Just a quick follow up as I can't make the debrief time and didn't get a chance to ask on the call. The point I wanted to raise is that implementation of deferrals under Forest Act part 13 technically has 2 steps that David appeared to be confusing.
-What goes up to Cabinet is the creation of a "designated area" (s.169), THEN
-The effect of putting land in a designated area is that the Minister then has the discretion to, by written order, suspend or vary cutting authorities or direct that new ones not be issued etc. in the designated area (s. 170)

It isn't obvious to me why Part 13 designated order regulations could not be done for the full 2.6 million right away, with ministerial orders to follow Indigenous consultation (this would at least show the companies they are serious if they want to create an incentive for voluntary action). Or better yet, the designated area regulations + initial ministerial orders could be used to create a default of no logging in the 2.6 million ha unless the minister orders otherwise following Indigenous consultation (which could be done using s. 170(8), variance of original order). Just saying...

The importance of going this route becomes evident when you think about new cutting permit applications in, for example, ancient forests. Without the designated area reg in place, the most obvious authority to deny the permit isn't there, and I can't imagine they're really saying that they'd go to cabinet to address the cutting permit area alone every time one is applied for...

Is this how government is thinking about using Part 13 for deferrals? Would it be going to Cabinet for each and every one? Or is it possible to get the far more efficient route she suggests and Part 13 the whole 2.6M ha now, without any MO that changes operations in the area just yet. But as you get the nod from various Nations the actual deferral is put into effect by a simple MO, rather than having to go to Cabinet for each one. Designating the whole area up front, prior to the public release of the maps (and announced at the same time) would be at least some indication of gov't's intention to act in the whole area.

Jessica also points out that Part 13 doesn't apply to the private land portions of TFLs (it seems to only apply to Crown lands). Sigh.

Lisa

Lisa Matthaus
Provincial Lead
Organizing for Change

~ *Priorities for Environmental Leadership* ~

250-888-5194 (c)

www.organizingforchange.org

RE: Economic impact discussion

From : Mack, James ENV:EX <James.Mack@gov.bc.ca>
To: DaveDaust KarenPrice <pricedau@telus.net>, Llewellyn-Thomas, Marnie ENV:EX <Marnie.LlewellynThomas@gov.bc.ca>, Weber, Marian ENV:EX <Marian.Weber@gov.bc.ca>
Cc: lisa@organizingforchange.org, Garry Merkel <gmerkel@telus.net>, Rachel Holt <rachel@veridianecological.ca>
Sent: October 18, 2021 3:08:55 PM PDT

I would!

We're a tad meeting-heavy over here lately, but I do have this Thursday at 3pm free. Would that work?

If yes, Marnie can set up a meeting for us. I'd like to bring Marian Weber who leads our environmental economics group.

From: DaveDaust KarenPrice <pricedau@telus.net>
Sent: October 18, 2021 3:05 PM
To: Mack, James ENV:EX <James.Mack@gov.bc.ca>
Cc: Rachel Holt <rachel@veridianecological.ca>; lisa@organizingforchange.org; Garry Merkel <gmerkel@telus.net>; DaveDaust KarenPrice <pricedau@telus.net>
Subject: Economic impact discussion

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi James,
You'd mentioned interest in talking about the economic impact analysis a little more deeply. Is there a time this week that works for you? Afternoons after 3pm are my preference. If there are others you'd like to invite that's also fine.
Dave

FW: Final ?? Version - Summary for G2G package October 15.docx

From: Rachel Holt <rachel@veridianecological.ca>
To: Muter, David FLNR:EX <David.Muter@gov.bc.ca>, Bawtinheimer, Brian FLNR:EX <Brian.Bawtinheimer@gov.bc.ca>, Mack, James ENV:EX <James.Mack@gov.bc.ca>, MacKillop, Deb J FOR:EX <deb.mackillop@gov.bc.ca>, Walton, Adrian P FLNR:EX <Adrian.Walton@gov.bc.ca>, MacKillop, Deb J FLNR:EX <Deb.MacKillop@gov.bc.ca>
Cc: Garry Merkel <gmerkel@telus.net>, Lisa Matthaus <lisa@organizingforchange.org>, Karen Price <ks.22>, Rachel Holt <rachel@veridianecological.ca>
Sent: October 20, 2021 9:58:59 AM PDT
Attachments: Summary for G2G package October 15.docx

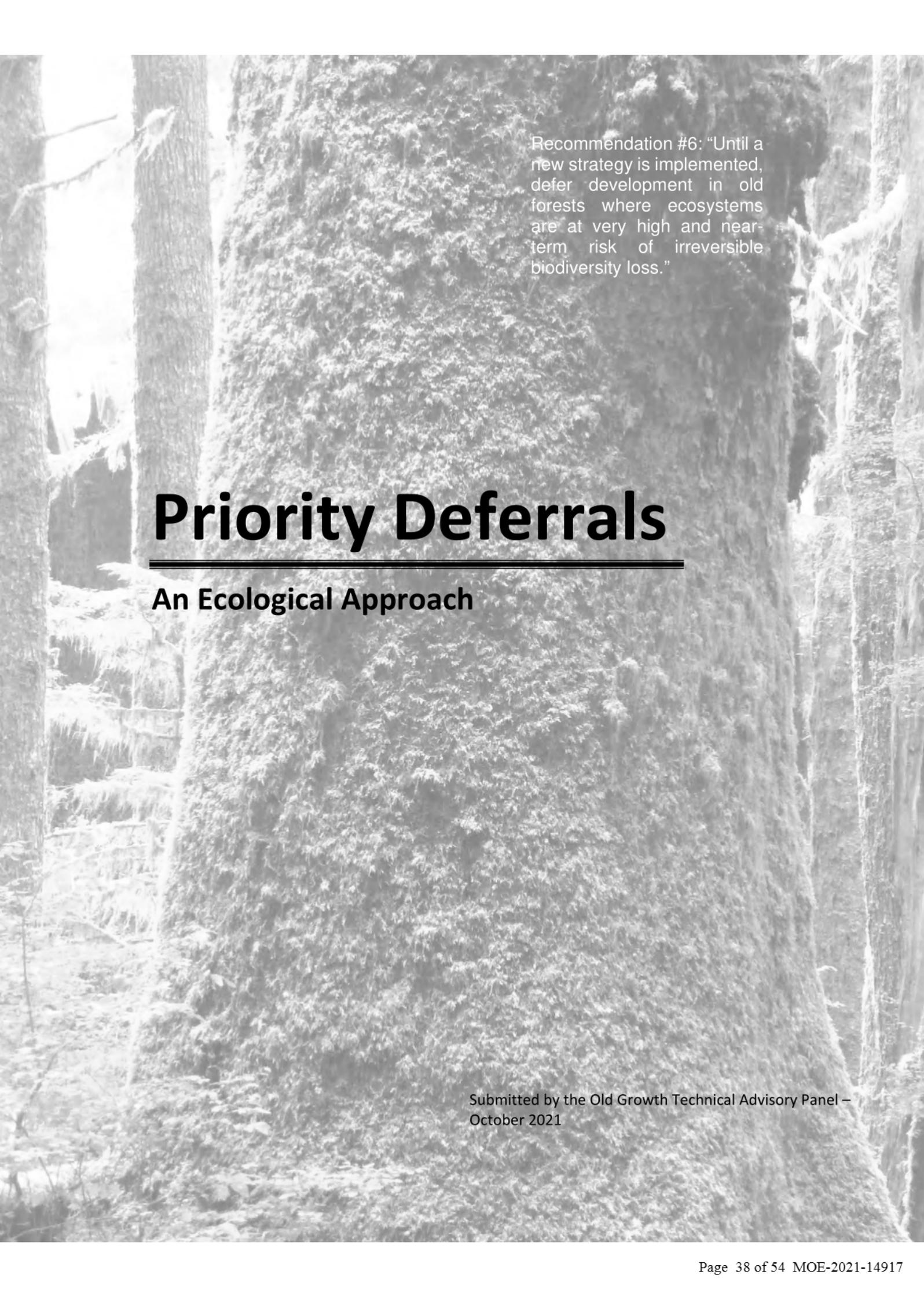
[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Hi –
Attached is a revised version of the summary report from the TAP – based on the province’s feedback last week, and updated with little things here and there.

There may be further minor tweaks, but it would be good to get your feedback on this version ASAP,

Thanks -

Rachel F. Holt, Ph.D., R.P. Bio | Veridian Ecological Consulting Ltd. | Nelson | BC | 250 352 6932 |

A black and white photograph of a forest. The image is dominated by several large, vertical tree trunks. The central trunk is the most prominent, covered in a thick, textured layer of moss or lichen. To its left and right are other trunks, some also showing signs of moss. The background is slightly blurred, showing more trees and a hint of a forest floor. The overall tone is natural and somewhat somber due to the monochrome palette.

Recommendation #6: “Until a new strategy is implemented, defer development in old forests where ecosystems are at very high and near-term risk of irreversible biodiversity loss.”

Priority Deferrals

An Ecological Approach

Submitted by the Old Growth Technical Advisory Panel –
October 2021

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Summary

The Provincial government has committed to implementing all recommendations of the [2020 Old Growth Strategic Review \(OGSR\)](#). Foundational recommendations include full involvement of Indigenous Nations in decisions and shifting the forest management paradigm from an economic timber focus to a focus on healthy ecosystems (Recommendations #1 and #2). Recommendation #6, one of two “immediate responses”, and the subject of this analysis, calls for harvest deferral in at-risk forests¹ to allow time, and to maintain options, for implementation of the other OGSR recommendations.

Recommendation #6: “Until a new strategy is implemented, defer development in old forests where ecosystems are at very high and near-term risk of irreversible biodiversity loss.”

Deferral pauses harvest pressure temporarily to allow time for developing new approaches to forest management that allow the shift from managing for timber, subject to constraints, to managing for ecosystem health. **Deferral is not equivalent to protection**; deferral maintains at-risk old forests in the short-term. **Meaningful deferrals** occur in forests that would otherwise be harvested.

The Provincial government formed the [Old Growth Technical Advisory Panel](#) to develop and map science-based deferral recommendations. As per our terms of reference, we have identified and mapped the most at-risk old forest for immediate deferral based on the OGSR Recommendation #6 criteria, as well as on the ecological principle of identifying sufficient forest in every ecosystem, to provide a minimum ecological baseline for planning across the province.² These maps are not intended to constrain the areas to be deferred, but to focus attention on priority ecosystems that reflect the most at-risk forests in the province, and which may also support cultural and wider biodiversity values.

At-risk Old Growth Types



In principle, all old growth forest³ is irreplaceable in a human timeframe, and possibly in any timeframe given the climate crisis. However, some types of old growth forest (see Appendix 1 for details) currently face higher near-term risk. These types are most important to defer.

All the forest types recommended and mapped for deferral are rare, at-risk, and irreplaceable.

- **Big-treed old growth:** Big-treed old growth is naturally rare. And, since it has been heavily targeted by harvesting, big-treed old growth is now very rare compared to its historic distribution, putting it at extremely high near-term risk. We mapped the biggest-treed remaining old growth (measured by stand height and

¹ We use “at-risk forests” to mean those where “failure to act now could lead to the permanent loss of rare or unique ecosystem components,” as per the Old Growth Strategic Review (Rec. #6, p. 55). Where at-risk forests face imminent logging (e.g., have approved or pending cutting permits) we use “threatened at-risk forests”.

² The identified forest is not sufficient to fully implement the OGSR Panel Recommendations.

³ See Map 8.

diameter) in each ecosystem⁴ up to a given target. We developed two target levels: a) a default target consistent across all ecosystems, and b) a priority area with reduced targets for ecosystems at lower risk. This smaller area (b) of big-treed old growth is included in the Priority Deferral Map (Map 1).

- **Remnant old ecosystems:** If an ecosystem has been heavily harvested and very little old growth remains, these remnant areas are, by definition, rare. We mapped remnant old growth in ecosystems with less than 10% old remaining, in total and within a landscape unit. Remnant old ecosystems are included in the Priority Deferral Map (Map 1).
- **Ancient forest:** Ancient forest is globally rare and particularly irreplaceable because of the time it takes to grow an ancient forest. We mapped ancient forest over 400 years old in wetter ecosystems and over 250 years in drier ecosystems. Ancient forest is included in the Priority Deferral Map (Map 1).
- **Intact watersheds:** Contiguous areas of ecosystems unaltered by human activities are rare outside BC's remote regions. We mapped relatively intact watersheds to assist in planning for ecosystem health. Intact watersheds are not shown on the Priority Deferral Map (Map 1), but are addressed in the Recommendations.

Mapping Priority Areas for Deferral

Map 1 identifies the highest priority areas for deferral for high-risk big-treed, remnant and ancient forests. Areas meeting the criteria in each category are identified whether they are already protected or not; mapped forests within existing no-harvest areas do not need to be deferred. We excluded high-elevation woodland and sparsely forested ecosystems as they do not face high near-term risk. Individual map layers are provided in the map portfolio in Appendix 3.



⁴ biogeoclimatic subzone/variant.

Recommendations

To support urgent conversations between Provincial and First Nations governments, we recommend the following:

- **Defer harvest (i.e., no development or harvesting) in all mapped highest-priority at-risk old forests** (priority big-treed old growth, ancient forest, remnant old ecosystems) while development of a new approach to forest management is underway. Unprotected highest-priority at-risk forests cover approximately 2.6 million ha:
 - Ensure no new logging permits are approved in priority areas and no planning for future harvesting occurs until the new management system identifies what can be logged and how it can be logged.
 - Some of the identified at-risk old forests already have some form of conservation designation. Where harvest is prohibited or generally prohibited ensure such prohibition is maintained.
 - Avoid deferring harvest where forests are not at-risk to ensure meaningful deferrals.
- **Defer harvest in the most intact watersheds for each region and ecosystem.** Deferral of harvest in intact watersheds is critical to maintain or recover landscape-scale resilience (Map 6). Smaller intact areas should be identified in highly impacted areas of the province.
- **Consider how to address recruitment where insufficient old forest exists.** We recommend extending immediate deferrals to include recruitment areas in ecosystems that are at very high risk to facilitate future planning for ecosystem recovery. Where insufficient old forest was available to meet ecosystem targets, priority recruitment big-tree forest was identified (Map 7).
- **Add areas of high-value old forest known on the ground but not shown on the maps.** The maps will miss areas of high value old forest, known well by people who walk the land. These omissions may be due to inventory error or the scale of analysis. We recommend deferring harvest in any remaining old forest where the following criteria are met:
 - areas of cultural importance relating to old forest identified by First Nations;
 - valley-bottom old forest, especially in ecosystems where these have been heavily harvested;
 - big-treed old forest not mapped in VRI, but where trees are very large for that subzone variant;
 - scattered big and ancient trees: in ecosystems with little old forest remaining, individual old and ancient trees may be present (these 'veteran' trees are critical for maintaining recovery potential but are typically poorly mapped);
 - unmapped old and ancient forest;
 - areas where current legal targets are not met;⁵ and
 - old forest critical to maintaining endangered species that are not otherwise protected.
- **Review and remove areas that are shown on maps but do not contain high-value old forest on the ground.** We expect that the maps will show areas that do not contain at-risk old growth forest, either due to inventory error or because the forest has been recently logged or burned. The Provincial forest inventory system was developed for timber purposes and does not identify old forests well; therefore, we recommend a precautionary approach that defers old forest until it is demonstrated to not meet criteria.
- **We recommend that First Nations and others build on the maps to address these errors,** for example, by identifying known high-value old forests that meet criteria on the ground, but are missing from the maps, as potential areas for deferral.

⁵ This may include a) insufficient area in Old Growth Management Areas (OGMA), b) OGMA's do not contain old forest, or c) insufficient old forest exists to meet current targets. Our analyses do not address the second OGSR "immediate response," Recommendation #7: "Bring management of old forests into compliance with existing provincial targets and guidelines for biological diversity." That will likely increase deferred areas where the province is below legislated old forest targets.

Old Growth Technical Advisory Panel

Map 1: Priority Deferral Map

Appendix 1: Understanding the At-risk Old Growth Categories

We have identified and mapped the most at-risk old forest for immediate deferral based on the OGSR⁶ Recommendation #6 criteria as well as ecological principles of identifying representative forest in every ecosystem. All forests recommended and mapped for deferral are **rare, at-risk, and irreplaceable**.

Big-treed Old Growth

Definition

This category captures the “high productivity” category of the OGSR. We have mapped the biggest-treed remaining forest (with the tallest and widest trees) in each BEC⁷ subzone/variant up to a given target. We developed two target levels: a) a default target consistent across all ecosystems, and b) a priority area with reduced targets for ecosystems at lower risk. Because the biggest trees have already been harvested in many ecosystems, the best remaining big-treed old growth may have relatively small trees compared to the past.

Ecological Importance

Big-treed forests have globally significant contributions to biodiversity and carbon. Their size and complexity provide specialized habitat, functions and services at the stand and landscape scale not provided by smaller-statured forest. Some of BC’s big-treed old growth forests store more carbon than almost anywhere else in the world. While tree size varies by ecosystem, the forests with the largest remaining trees in each ecosystem matter. Big-treed forests can grow under different ecological circumstances. For example, highly productive valley bottoms generally grow larger trees and develop complex structure more quickly than adjacent steep slopes. Highly productive valley-bottom old growth forms the heart of watersheds. Given sufficient time, some lower productivity sites can also grow large trees and develop complex structure, while others, such as bog or subalpine forests, will never grow large complex-structured forests.

Status

Big-treed old growth is naturally rare and has also been heavily targeted by harvesting for the last century. In most biogeoclimatic variants, big-treed old growth is now very rare compared to its historic distribution, putting it at extremely high near-term risk.⁸ The total area remaining differs by BEC variant: low elevation forests usually have almost none

Historic distribution or amount is based on the historic condition of the forest before large-scale human impacts such as urbanization, industrial forestry, agriculture, oil & gas exploration, mining and transportation.

High-risk forests: Research shows that where 30% or less of the historic amount of an ecosystem remains, risk to biodiversity and ecosystem functions is high. Many big-treed ecosystems have less than 10%, and some have less than 1% of the historic amount of old growth.

remaining (some, such as massive Douglas-fir forests, are already extirpated); some remote and/or higher elevation forests still have forests that resemble the full range of original old forests. In general, big-treed old growth is generally rare or very rare across BC because much of it has already been logged. The small amount left is threatened because it continues to be targeted for timber harvesting.

Deferral

Meaningful deferrals *must* focus on these very rare forests because they are at very high near-term risk. Big-treed old growth that is also ancient or in remnant ecosystems

⁶ Old Growth Strategic Review

⁷ Biogeoclimatic ecosystem classification

⁸ Karen Price, Rachel F. Holt, and Dave Daust. Conflicting portrayals of remaining old growth: the British Columbia case. *Canadian Journal of Forest Research*. 51(5): 742-752. <https://doi.org/10.1139/cjfr-2020-0453>

provides extra benefit. For most ecosystems, remaining old growth covers a wide span of tree sizes; the largest trees provide highest value and are most at-risk; they have highest priority for deferral.

Remnant Old Ecosystems

Definition

This category captures the “less than 10% remaining” category of the OGSR. We mapped remnant ecosystems with less than 10% old forest remaining (in total, and within landscape units to capture geographic variability). If an ecosystem has been heavily harvested and very little old growth remains, these remnant areas are, by definition, rare.

Ecological Importance

If a BEC subzone/variant has been heavily harvested, the area remaining often has low economic value (i.e., few merchantable trees), and therefore may also lack the ecological structural attributes of high-quality old forest. These remnants of old forest may include patches of high-value old growth, but they may also consist of edges and inoperable areas with poor condition and/or few old forest values. Even small and fragmented patches of remnant forest may have high value locally and regionally in maintaining old forest values in these highly disturbed ecosystems.

Status

Biodiversity and ecosystem health are at high risk when less than 30% of expected level of old forest remains in a BEC variant. Mapped remnants all have less than 10% remaining.

Deferral

While forests in this category may generally not be threatened by immediate harvest, they should not be harvested. Remnants that are big-treed old growth or ancient forest have higher priority as meaningful deferrals.

Ancient Forest

Definition

This category captures the “ancient” category of the OGSR. This category includes forests that have developed without a stand-level disturbance for many centuries or millennia. We mapped forest identified as over 400 years old in wetter ecosystems and over 250 years in drier ecosystems.

Ecological Importance

Ancient forests provide specific values that require long time periods for full development (e.g., unique epiphytic communities). They contribute significant genetic material and biodiversity at a landscape level. They also store extremely high levels of carbon in the soil and in the trees that has built up over centuries to millennia. They are truly irreplaceable because of the time it takes to develop ancient features.

Status

Ancient forests are naturally rare in many parts of BC because it takes a very long time to become ancient. Historic distribution varies by ecosystem, with wet ecosystems historically expected to have a high proportion (32 - 67% or more), and dry ecosystems historically expected to have a low proportion (e.g., 14% or less) of ancient forests. Most productive forest types have a small portion of their original ancient forests remaining.

Deferral

Ancient forests may be big-treed and threatened, or small-treed and not threatened. Deferring threatened ancient forests is critical. These forests are poorly mapped in provincial databases because age is often

underestimated, and we expect that additional areas not mapped as ancient in provincial datasets will be identified as ancient using ground surveys.

Intact Watersheds

Definition

This category captures part of the “resilient forest” category of the OGSR. Intact watersheds are free, or largely free, from anthropogenic modification of forest composition, structure, and function. We mapped relatively intact watersheds (70%, 80%, 90% intact measured in freshwater assessment watersheds⁹) across BC.

Ecological Importance

Intact watersheds maintain biodiversity, support wildlife habitat, act as climate refugia, and provide a suite of ecosystem services that include regulating local climate, regulating hydrology, and maintaining hydriparian ecosystems and aquatic values. By allowing natural processes to continue at the landscape scale, intact watersheds have high ecological integrity and resilience. In the context of deferrals, maintaining intact watersheds provides opportunities to plan for long-term resilience.

Status

Contiguous areas of ecosystems unaltered by human activities are rare outside BC’s remote regions.

Deferral

Intact watersheds are not included in the Priority Deferral Area Map 1. However, they are important and we recommend them for deferral in the near-term; they are mapped as a starting place for discussions with Indigenous groups to maintain options for planning for ecosystem health. Where no large watersheds remain intact, smaller areas of intact forest should be identified and deferred.

Big-treed Recruitment Forest

Definition

Where insufficient big-treed **old** forest remains to fill minimum targets (see above), we identified recruitment forest using the same methods but choosing forest from a younger age-class (age 80 and older).

Ecological Importance

Ecosystems with little to no old growth remaining are at highest risk of any in the province. Ensuring recruitment and recovery of these structurally complex forests is critical in many areas of B.C.

Deferral

Big-treed recruitment forest is not included in the Priority Deferral Area Map 1, because they are not old. However, the OG TAP recommends deferral of recruitment forest in all ecosystems with low levels of old remaining. Map 7 provides a starting point for that work.

⁹ Watersheds delineated for strategic planning across BC (around 5,000 hectares, though some are larger)

Appendix 2: Making the Maps - Methods

Spatial Data Preparation

The OG Technical Advisory Panel worked in concert with Provincial inventory and ecology staff to determine the most up-to-date and appropriate base input layer for analysis. The Forest Assessment Land Base (FALB) developed and used is a modified version of the provincial Vegetation Inventory (Vegetation Composite Polygons Rank 1 Layer, aka VRI) forest management land base (FMLB).

Biogeoclimatic Ecosystem Classification (BEC) subzone/variant mapping version 12 (to be published by the province in fall 2021) defined seral stages (e.g., minimum age of old), natural disturbance type (NDT), and associated measures such as % expected natural old forest by BEC subzone/variant.

Ages in the 2020 VRI were adjusted for¹⁰:

- Harvest: changed to early seral using the newly released consolidated cutblocks layer (July 2021)
- Fires: changed to early seral for moderate and high severity portions of fires that burned between 2007 and 2020
- Mortality: changed to early seral where percent dead > 70% in VRI polygons (mostly mountain pine beetle).

Note that some areas of the province lack complete vegetation inventory information and as a result cannot be assigned a seral stage (e.g. Old Forest). This comprises ~3% of the FMLB.

In addition, the following layers were created:

- Underlay 1. Protected area: Protected areas are comprised of: National Park, Ecological Reserve, Provincial Park, Conservancy, Protected Area, Heritage Site, Recreation Area, Regional Park, Ungulate Winter Range: No harvest, Wildlife Habitat Area: No harvest, Biodiversity Mining and Tourism Area, Sea to Sky Wildland Zone, Special Wildland RMZ in Muskwa Kechika MA, Nlhaxten/Cayoosh Wildland Area, South Chilcotin Mountains Mining and Tourism Areas, NGO Fee Simple Conservation Lands, Great Bear Rainforest (GBR) Special Forest Management Areas, Old Growth Management Area (OGMA): Legal, Old Growth Management Area (OGMA): Non-Legal, Class1 Coast Grizzly Bear Habitat (Coast LUP)
- Underlay 2. Low threat ecosystems: BEC woodland ecosystems, sparsely trees BEC units.

Big-treed Old Growth

We selected two target levels of big-treed old growth: 1) default high-risk targets and 2) prioritised targets adjusted for ecosystem risk.

1. For the default target, we identified stands within BEC subzone/variant with the largest trees, based on height and diameter, until the area selected reached the greater of either 10% of the total forest area or 30% of the area of old forest naturally expected.¹¹
 - We found that height and diameter were the most reliable indicators in the strategic dataset for what is actually measured on the ground.¹²
 - We prioritised stands identified as old forest.

¹⁰ Note that these updates, combined with the FALB, results in a revised and lower total area of old forest (reduced from 13.7 million hectares to about 11.1 million hectares) in the Province than previously thought.

¹¹ Based on BECv12, NDT, and updated disturbance information for coastal and interior NDT1 ecosystems.

¹² Additional supporting details are available in a OG TAP methodological supplement.

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- If a BEC subzone/variant did not contain enough old forest to meet the 10%/30% area goal, then we selected the largest “older mature” stands.¹³ Limited inventory accuracy means that older mature forests may be old growth.
 - When insufficient “older mature” forest exists in a BEC subzone/variant, the target is not completely filled.¹⁴
2. To prioritise the selection based on ecosystem risk, we identified high-risk ecosystems (site productivity classes¹⁵ within BEC group) where old growth covers less than 30% of historic distribution.
- We overlaid big-treed forest scenarios (3%, 5%, 7%, 10% and 30% of natural) with ecosystems and determined the scenario needed to capture 90% of high-risk ecosystems.
 - This sets a lower deferral target for BEC subzone/variants at lower risk (no targets are increased over the default).
 - Where more than 15% of the biggest trees comes from the older mature category (i.e., because there is insufficient old forest to reach the target), we selected areas for harvest deferral to include older mature plus old forest.
 - The selection process to identify forest to meet the target —choosing the biggest old trees first—was identical to the process for the default target.

Remnant Old Ecosystems

- The remnant old ecosystem map includes all polygons identified as old where old forests comprised <10% of the productive forest area of a BEC subzone/variant or of a BEC subzone/variant within a Landscape Unit.¹⁶
 - Old forest is defined as older than 250 years in less frequently disturbed ecosystems and older than 140 years in more frequently disturbed ecosystems.¹⁷

Ancient Forests

- We defined ancient forests as older than 400 years in ecosystems with less frequent disturbance and older than 250 years in ecosystems with more frequent disturbance. These thresholds use the provincial standard for identifying ‘very old’ forests.¹⁸

Intact Watersheds

- We mapped watersheds with more than 70%, 80% and 90%¹⁹ of the forested landbase intact (i.e., forest harvesting and roads make up less than 10%, 20% or 30% of a the forested landbase in the watershed).

¹³ As defined in the Landscape Unit Planning Guide (1999) as >200 where old forests are defined as > 250 and >120 where old forests are defined as >140. These forests may well be “old”; they are included here to address uncertainty in the inventory.

¹⁴ In these cases, the largest ‘recruitment’ forest is identified (Map 7), but since it not old forest, it is not included on the Priority Deferral Map 1 (see Recommendations).

¹⁵ Productivity class from VRI inventory site index (<10, 10-15, 15-20, 20+). VRI site index correlates better with old growth ground plot data than PSPL site index; hence we selected this measure. Site productivity was NOT used to select big-treed forest.

¹⁶ Productive forest is defined in this analysis as the portion of the FALB with a site index > 10.

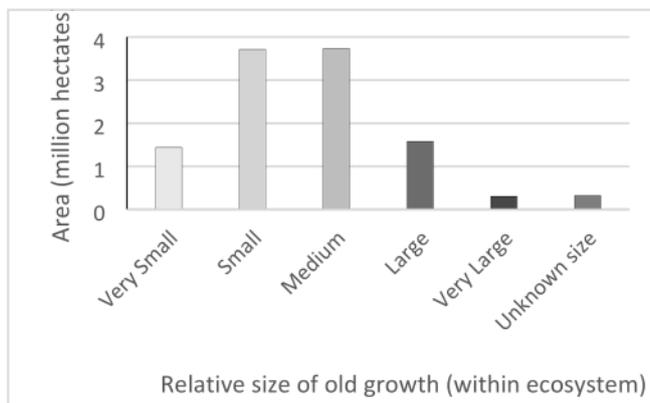
¹⁷ Less frequently disturbed = NDT 1, 2 and 4; more frequently disturbed = NDT 3.

¹⁸ Province of BC 2010. BC Land Management Handbook #25. Structural stage 7b. NDT 1, 2 and 4 for less frequent disturbance; NDT 3 for more frequent.

¹⁹ Very few fully intact watersheds exist in the province, and some regions have very few “nearly intact” watersheds; hence we show categories to allow selection of the most intact remaining watersheds.

Old Growth Forest

- We mapped all forest identified as old growth across the province
- We divided old forest into five size classes, based on height and diameter, within each BEC subzone/variant
 - We removed the 1st and 99th percentile to reduce the effect of outliers, and divided the remaining size range into five equal classes (e.g., quintiles);
 - We coloured the map to show the forests in each tree size class;
 - The area associated with each size class is unequal because the small and medium size trees are most common in all ecosystems, and the area of large and very large-treed forest is much smaller (see Figure below).
- We excluded forest with missing height and diameter data and forest that burned in the 2021 wildfires



Appendix 3: Map Portfolio

Map 1: Priority Deferral Map

This map shows an overall picture of our priority recommendations for harvest deferral. It combines the Prioritised Big-treed Old Growth (Map 3), Remnant Old Ecosystems (Map 4) and Ancient Forests (Map 5) maps. Areas meeting the criteria in each category are identified whether they are already protected or not. All of the area noted on this map, outside protected areas, are at high near-term risk and should have harvest deferred. See descriptions under each specific map layer for more detail.

Map 2: Big-treed Old Growth (default targets)

This map shows the remaining old forest with the largest trees in each ecosystem, as described by tree height and diameter. For each ecosystem, the map shows the greater of the biggest remaining old forest up to 10% of the forested area, or up to 30% of the naturally expected amount of old, reflecting ecological variability in the natural historic distribution of old forest. Research shows that when 30% or less of the historic distribution of an ecosystem remains, risk to biodiversity and ecosystem function is high—so this map shows the area of old forest needed to ensure that risk does not cross the high-risk threshold. Many big-treed ecosystems have less than 10%, and some have less than 1%, of the historic distribution of old growth. In these cases, the map also shows the biggest older mature forest to reach the target amount, if possible.

Map 2 is not included as a layer in Map 1.

Map 3. Prioritised Big-treed Old Growth

This map is a subset of Map 2, showing the highest priority big-treed old growth. To create this map, we varied the targets for each ecosystem based on finer-scaled ecological risk. Whereas Map 2 shows the biggest 10% or 30% of expected amount of old for all ecosystems, this map shows the biggest 3 or 5% forests in ecosystems at lower risk, and 7%, 10% or 30% of expected for ecosystems at higher risk.

Map 3 is included as a layer in Map 1.

Map 4. Ancient Forest

This map shows the forests described in provincial forest inventory data as ancient, defined as older than 400 years (for ecosystems with rare stand-replacing disturbance) and older than 250 years (for ecosystems with higher disturbance rates).

Map 4 is included as a layer in Map 1.

Map 5. Remnant Old Ecosystems

This map shows old forest remaining in ecosystems where less than 10% is old today, defined as older than 250 years in wetter ecosystems and older than 140 years in drier ecosystems. The map highlights where biogeoclimatic variants have less than 10% old forest remaining, and where geographic areas within these ecosystems (described by landscape units) have less than 10% remaining. Remnant old patches are typically small and fragmented.

Map 5 is included as a layer in Map 1.

Map 6: Intact Watersheds

This map shows relative watershed intactness based on the amount of logging and roads in each watershed. Colours on the map differentiate amongst watersheds that are more than 70%, 80% and 90% unmodified. We are creating a map showing the top 10% most intact watersheds within each resource region for release later.

Map 6 is not included in Map 1 but is provided to assist planning. See Recommendations.

Map 7. Big-treed Recruitment Forest

Ecosystems with little or no remaining old forest face the highest risk in the province. Reducing risk in these highest risk ecosystems requires recruiting appropriate younger forest to grow old. Although the Provincial government has not committed to deferring recruitment forest, where insufficient old and older mature forest remain to meet minimum targets, Map 7 shows younger forests (over 80 years) with the largest trees that could “recruit” into large-structured old forest in the shortest timeframes.

Map 7 is not included in Map 1. See Recommendations.

Map 8. Old-growth Forest

This map provides context for the deferral maps, showing all forest identified in provincial forest inventory as old growth (older than 250 years in ecosystems with rare or infrequent stand-replacing disturbance and older than 140 years in ecosystems with higher stand-replacing disturbance rates). It highlights relative tree size, as described by tree height and diameter, by dividing old growth within each ecosystem into five equal size classes. The area of forest in each size class varies because there are more small and medium-sized trees than large trees. See inset graph showing area by class. The map provides additional context by discriminating between younger stands initiated by logging and those initiated by natural disturbance.

What values do the maps not include?

Our maps focus on criteria designed to capture at-risk old growth laid out in the [2020 Old Growth Strategic Review](#) and do not explicitly identify other high-value old forest. For example, the maps do not identify old forest critical to wildlife species (e.g., mountain caribou, spotted owl, marbled murrelet), old forest that forms the backbone to healthy salmon streams, old and primary forests critical to carbon storage and climate adaptation, or old forests critical to supporting cultural practices.

We have not attempted to map these important forests at this time but expect these values to be included in resilience planning that is also mandated in the recommendations as part of the OGSR paradigm shift. The areas mapped as priority deferral candidates likely include forest that captures some of these values and may form the core of a more comprehensive strategy.

How reliable are the maps?

Although these maps are developed at the provincial scale and limited by data quality, we believe that they are adequate to guide meaningful deferrals immediately. We recognise that inventory gaps and errors mean that some forest will be mis-identified.

To help us determine how best to map at-risk old growth, we assessed the reliability of datasets by comparing inventory data to ground plots. That analysis showed good support for using measurements of tree height and diameter to map the remaining largest old forest in the province.

We also found that inventoried forest age is less reliable, particularly for ancient forests. We have therefore modified the mapping of recommendations of the [2020 Old Growth Strategic Review](#) slightly to improve reliability in identifying ancient forests and have used the Province’s definition for “very old” forests. We expect more ancient forests to be identified on the ground.

Old Growth Technical Advisory Panel

Maps

Appendix 4: How much forest is included in the priority deferral areas?

The Panel recommends deferral (i.e., no development or harvesting) in all identified priority at-risk forests while the development of a new approach to forest management is underway, with the exception of areas already protected. In addition, we recommend that Intact Watersheds, and Recruitment forests are deferred while planning is underway.

The table below shows the area of each type of at-risk old growth, the unprotected area, and the overlap with pending and active cutblocks.²⁰ Of 11.1 million hectares of old growth, 3.5 million hectares are protected (Tier 1 and Tier 2 protection) and 5 million hectares are at-risk and unprotected. The Priority Deferral Map 1 identifies unprotected **priority** at-risk forests covering about 2.6 million hectares of the 5 million hectares of at-risk old forest (see Table). This represents about 10% of the historic amount of old growth in BC, estimated at 25 million hectares.

Type of old growth	Total area (Million ha)	Unprotected area* (Million ha)	Overlap with active and pending cut-blocks (ha)
All forest	56.5	44.0	400,319
All old growth	11.1	7.6	87,059
At-risk old growth			
Big-treed old growth	6.2	4.1	
Ancient forest	0.6	0.4	
Remnant old ecosystems	0.8	0.5	
Intact watersheds	Not analysed	Not analysed	
Total at-risk old growth	7.6	5.0	68,798**
Priority at-risk old growth			
Big-treed old growth	2.6	1.7	
Ancient forest	0.6	0.4	
Remnant old ecosystems	0.8	0.5	
Intact watersheds	Not analysed	Not analysed	
Total priority at-risk old growth	4.0	2.6	48,095
Total recruitment	0.4	0.3	4,859

*We excluded woodland and sparsely forested ecosystems during prioritisation.

**Threatened at-risk old growth

There are several potential mechanisms for deferral, including examples described in the Old Growth Strategic Review (p. 56):

- a. "Instruct BCTS to cease development and defer selling timber in the areas;
- b. Request authorized tenure holders to voluntarily defer development;
- c. Decline to authorize new permits or licences in deferral areas; and
- d. If necessary, establish regulatory provisions and incentives to enable deferrals."

²⁰ Active and pending cutblocks represent immediate threat to at-risk old growth and are available in a provincial database that can be analysed, though they continually change as areas are harvested and new areas added. Cutblocks being planned by licensees may pose future threats to deferral candidate areas, but they are generally not tracked or managed within a Provincial tenure system. We are therefore unable to assess the potential impacts of planned cutblocks.

RE: Prince George Daily Article worth a read

From: Mack, James ENV:EX <James.Mack@gov.bc.ca>
To: Rachel Holt <rachel@veridianecological.ca>
Sent: November 5, 2021 11:10:02 AM PDT

Thanks for this Rachel – it didn't make it into our media scans and I like to get these different viewpoints

From: Rachel Holt <rachel@veridianecological.ca>
Sent: November 5, 2021 10:54 AM
To: Mack, James ENV:EX <James.Mack@gov.bc.ca>
Subject: FW: Prince George Daily Article worth a read

[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.

Thought I would forward this to you James ... I hear a lot of this, but I don't see it in the broader press.

Just FYI.

<https://pgdailynews.ca/index.php/2021/11/05/letter-investment-not-conservation-threatens-forestry-workers/>