

## RE: SOLE requests for review and approval

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From: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
Cc: Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
Sent: November 10, 2021 3:22:23 PM PST  
Approved

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**From:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Sent:** November 10, 2021 2:43 PM  
**To:** Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
**Cc:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Subject:** SOLE requests for review and approval

Hi Tara,

Three SOLE requests for your review and approval:

- Peace River Regional District, Electoral Area C, as the risk of landslides continues. The current SOLE is set to expire November 14<sup>th</sup>, 2021.
- Regional District of Kootenay-Boundary for electoral area C due to continued risk from flooding. The current SOLE is set to expire November 14<sup>th</sup>, 2021.
- Regional District of Kootenay-Boundary for Electoral Area D due to continued risk from flooding. The current SOLE is set to expire November 15<sup>th</sup>, 2021.

Thank you  
Agnes

## RE: For Action: SOLE Extension Request - RDKB Electoral Area C

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From: Fraser, Agnes EMBC:EX  
To: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
Cc: Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Brown, Tom G IRR:EX <Tom.Brown@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
Sent: November 10, 2021 3:33:29 PM PST  
Attachments: Signed Approved SOLE Regional District Kootenay Boundary EAC Christina Lake Expires November 21 2021.pdf, image001.png, image002.png

Good afternoon,  
Please find attached approved SOLE request.

Thank you,

Agnes Fraser  
Senior Executive Assistant  
Deputy Ministers Office, Emergency Management BC  
Ministry of Public Safety and Solicitor General  
Suite 4B - 940 Blanshard Street  
Victoria BC V8W 3C8  
Ph: (778) 974.5190

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**From:** EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
**Sent:** November 10, 2021 1:48 PM  
**To:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Cc:** Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>; Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Subject:** For Action: SOLE Extension Request - RDKB Electoral Area C

Good afternoon,  
Please find attached the SOLE extension request from the Regional District of Kootenay-Boundary for electoral area C due to continued risk from flooding. The current SOLE is set to expire November 14<sup>th</sup>, 2021.

EMBC has reviewed the request and recommends the Minister sign for approval.

Thank you,

**Ryan Hetschko** | Provincial Duty Manager  
Emergency Management BC  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872  
24 Hour Emergency: 1-800-663-3456

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# **Extension Request For State Of Local Emergency**

WHEREAS life and property remain at risk due to dam failure and flooding event that took place in Electoral Area C/Christina Lake, Regional District of Kootenay Boundary (RDKB);

AND WHEREAS there is potential for further dam failure and flooding later this week and into the weekend;

The chair of the RDKB, has requested to extend the duration of the declaration of a state of local emergency due to expire on November 14th, 2021 at 16:30 to allow a timely response to potential dam failure and flooding later this week and into the weekend;

  
Signed by Diane Langman (2021/11/10)  
Verify with verifio.com or Adobe Reader. 

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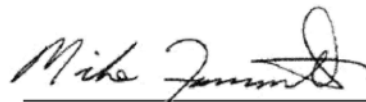
Chair Diane Langman

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Date

## Minister Decision

IT IS HEREBY **APPROVED** / NOT APPROVED pursuant to Section 12(6) of the  
circle decision  
*Emergency Program Act* (RS, 1996, Chap.111) that the Regional District of Kootenay  
Boundary may extend the duration of a state of local emergency for a further seven  
days to *November 21st, 2021* at 16:30.



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Honourable Mike Farnworth

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November 10, 2021

Date Signed

## EMBC UPDATE - November 12, 2021 @ 07:00 hrs

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From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Austin, Matt FLNR:EX <Matt.Austin@gov.bc.ca>, Bain, Nancy TIC:EX <Nancy.Bain@ticorp.ca>, Baskerville, Shannon AEST:EX <Shannon.Baskerville@gov.bc.ca>, BCCourts <Heidi.McBride@BCCourts.ca>, BCP Ministry Advisors <BCPMinistryAdvisors@Victoria1.gov.bc.ca>, Bond, Allison MCF:EX <Allison.Bond@gov.bc.ca>, Bouchard, Louise PSSG:EX <Louise.Bouchard@gov.bc.ca>, Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>, Brouwer, Shauna CITZ:EX <Shauna.Brouwer@gov.bc.ca>, Brown, Stephen R HLTH:EX <Stephen.Brown@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>, Butler, Jason AEST:EX <Jason.Butler@gov.bc.ca>, Can Forces <ESQBWCOP@forces.gc.ca>, Carrelli, John I CITZ:EX <John.Carrelli@gov.bc.ca>, Caul, Doug D IRR:EX <Doug.Caul@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Chiddell, Dan J AG:EX <Dan.Chiddell@gov.bc.ca>, CITZ Corporate Planning CITZ:EX <CorpPlan@gov.bc.ca>, Clark, Curtis C AG:EX <Curtis.Clark@gov.bc.ca>, Dobmeier, Teresa MCF:EX <Teresa.Dobmeier@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>, ES Moc Director MUNI:EX <ESMOC.DIRECTOR@gov.bc.ca>, Farnworth, Mike PSSG:EX <Mike.Farnworth@gov.bc.ca>, Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>, Field, Travis <travis.field@forces.gc.ca>, Filmer, Cam A IRR:EX <Cam.Filmer@gov.bc.ca>, Finn, Heather GCPE:EX <Heather.Finn@gov.bc.ca>, FLNR BCWS Wildfire Leadership Team <BCWS\_WLT@Victoria1.gov.bc.ca>, Franklin, Janice IRR:EX <Janice.Franklin@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Fraser, Sarah W FLNR:EX <Sarah.Fraser@gov.bc.ca>, Fyfe, Richard J AG:EX <Richard.Fyfe@gov.bc.ca>, Galbraith, David J SDPR:EX <David.Galbraith@gov.bc.ca>, Galt, Jamie HLTH:EX <Jamie.Galt@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Grant, Nick TACS:EX <Nick.Grant@gov.bc.ca>, Halls, Lori D FLNR:EX <Lori.D.Halls@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Hughes, Trevor LBR:EX <Trevor.Hughes@gov.bc.ca>, Hykaway, Mike R FLNR:EX <Mike.Hykaway@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Kennah, Morgan FLNR:EX <Morgan.Kennah@gov.bc.ca>, Kot, Jill PREM:EX <Jill.Kot@gov.bc.ca>, Kristianson, Eric PREM:EX <Eric.Kristianson@gov.bc.ca>, XT:Van Leeuwen, Lauren JAG:IN <lvanleeuwen@provincialcourt.bc.ca>, Liesch, Nancy FLNR:EX <Nancy.Liesch@gov.bc.ca>, Luchkow, Ray FLNR:EX <Ray.Luchkow@gov.bc.ca>, MacDonald, Scott D EDUC:EX <D.Scott.MacDonald@gov.bc.ca>, Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>, McAndrews, Caroline GCPE:EX <Caroline.McAndrews@gov.bc.ca>, Mclean, Keegan CITZ:EX <Keegan.McLean@gov.bc.ca>, LDB Safety Advisor LDB:EX <safety.advisor@bcladb.com>, Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>, Miska, Ed TRAN:EX <Ed.Miska@gov.bc.ca>, Mounteney, Renee FIN:EX <Renee.Mounteney@gov.bc.ca>, Nash, Laurel ENV:EX <Laurel.Nash@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Olsson, Liz V FLNR:EX <Liz.Olsson@gov.bc.ca>, Patterson, Sarah MCF:EX <Sarah.Patterson@gov.bc.ca>, Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>, Plecas, Bobbi JERI:EX <Bobbi.Plecas@gov.bc.ca>, Poss, Angie FLNR:EX <Angie.Poss@gov.bc.ca>, Prendergast, Peter L TRAN:EX <Peter.Prendergast@gov.bc.ca>, HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Rasmussen, Paul FLNR:EX <Paul.Rasmussen@gov.bc.ca>, Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Richter, Kevin J TRAN:EX <Kevin.Richter@gov.bc.ca>, Robb, Katie TRAN:EX <Katie.Robb@gov.bc.ca>, Rothe, Karen J EMBC:EX <Karen.Rothe@gov.bc.ca>, Russell, Jonathan CITZ:EX <Jonathan.Russell@gov.bc.ca>, XT:Mahar, Ryan AG:IN <rmahar@provincialcourt.bc.ca>, Sanderson, Melanie EDUC:EX <Melanie.Sanderson@gov.bc.ca>, Sedun, Jeanne AEST:EX <Jeanne.Sedun@gov.bc.ca>, Sieben, Mark PSSG:EX <Mark.Sieben@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Strain, Melissa AG:EX <Melissa.Strain@gov.bc.ca>, Sutherland, Craig FLNR:EX <Craig.Sutherland@gov.bc.ca>, Tanaka, Sandra AEST:EX <Sandra.Tanaka@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Walker, Jennifer IRR:EX <Jennifer.7.Walker@gov.bc.ca>, Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>, Williams, Susan GCPE:EX <Susan.Williams@gov.bc.ca>,

Sent:

November 12, 2021 7:00:29 AM PST

Attachments:

image002.jpg, image004.png, image003.png, image001.jpg

Good morning,

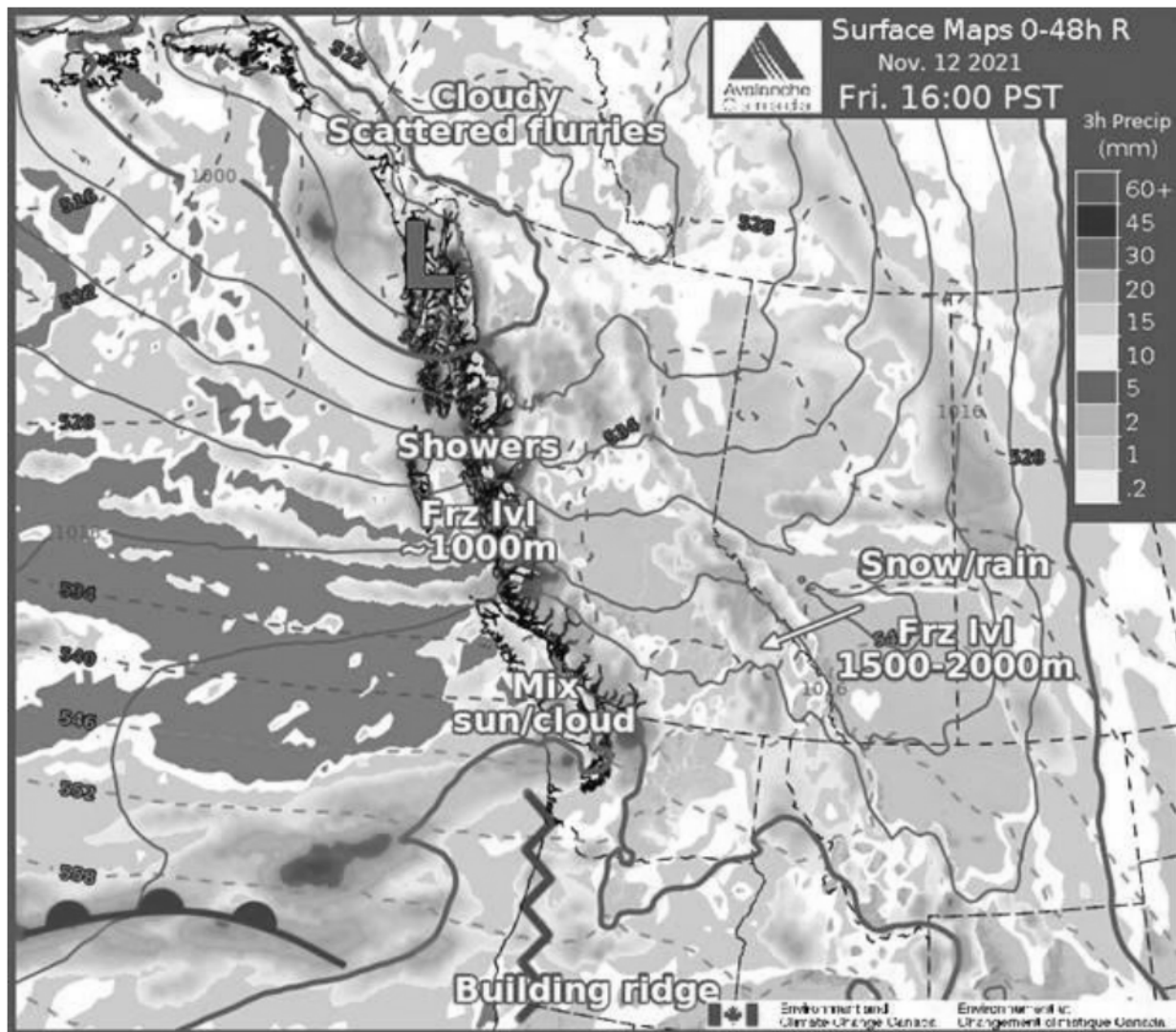
**EMBC UPDATE – November 12, 2021 @ 07:00 hrs**

## OVERVIEW

### DGIR Code 2/Overboard Shipping Containers – VIC

- The situation on board the M/V *Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue. Clean-up endpoints continue to be developed through the Environmental Unit.

## PROVINCIAL WEATHER



Rain will taper to showers in the morning across the Lower Mainland and Vancouver Island and from Prince George to Penticton. Rain continues from Prince Rupert to Port Hardy with an onshore flow. Periods of rain or snow from Blue River to Sparwood will continue during the day.

## WEATHER ALERTS and ADVISORIES



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**Special weather statement (snow) issued for:** Highway 3 - Paulson Summit to Kootenay Pass and Trans-Canada Highway - Eagle Pass to Rogers Pass.

**Special weather statement (rain) issued for:** Sunshine Coast - Gibsons to Earls Cove, Howe Sound, Metro Vancouver and Fraser Valley.

#### **FLOOD WARNINGS and ADVISORIES**

There are no flood warnings and/or advisories in effect.

#### **PROVINCIAL SUMMARY – All Hazards**

PECC Level 2	CTL	NEA	NWE	SEA	SWE	VIC	Total
PREOC Activations	-	-	-	-	-	-	-
Band Council Resolutions	12	1	1	-	-	-	14
States of Local Emergency	2	5	1	2	1	-	11
Evacuation Orders	2	7	1	-	1	-	11
Evacuation Alerts	1	7	1	-	-	-	9

#### **REGIONAL SUMMARIES**

##### **CENTRAL REGION**

No significant incidents to report.

**NORTHEAST REGION**

No significant incidents to report.

**NORTHWEST REGION**

No significant incidents to report.

**SOUTHEAST REGION**

No significant incidents to report.

**SOUTHWEST REGION**

No significant incidents to report.

**VANCOUVER ISLAND and CENTRAL COAST REGION**

The VIC PREOC is providing support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - M/V *Zim Kingston* fire and overboard shipping containers.

**Martin Caldwell** | Provincial Duty Manager  
Emergency Management BC  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872  
24 Hour Emergency: 1-800-663-3456

*Follow PreparedBC*



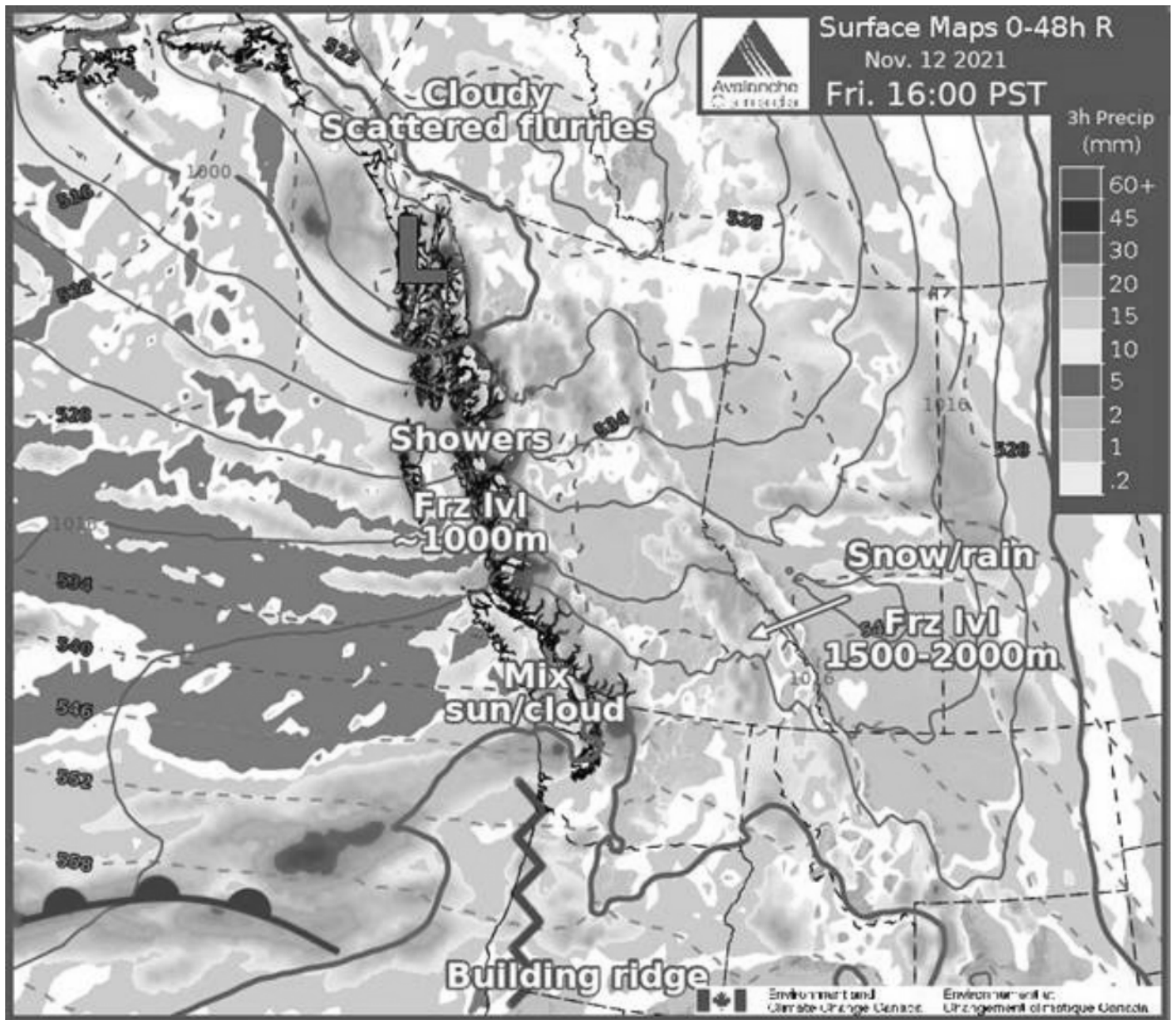
*I would like to acknowledge with respect the WSÁNEĆ and Lekwungen People whose land I am grateful to live and work on.*



Environnement  
Canada

Environnement  
Canada







## EMBC UPDATE - November 13, 2021 @ 07:00 hrs

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From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Austin, Matt FLNR:EX <Matt.Austin@gov.bc.ca>, Bain, Nancy TIC:EX <Nancy.Bain@ticorp.ca>, Baskerville, Shannon AEST:EX <Shannon.Baskerville@gov.bc.ca>, BCCourts <Heidi.McBride@BCCourts.ca>, BCP Ministry Advisors <BCPMinistryAdvisors@Victoria1.gov.bc.ca>, Bond, Allison MCF:EX <Allison.Bond@gov.bc.ca>, Bouchard, Louise PSSG:EX <Louise.Bouchard@gov.bc.ca>, Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>, Brouwer, Shauna CITZ:EX <Shauna.Brouwer@gov.bc.ca>, Brown, Stephen R HLTH:EX <Stephen.Brown@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>, Butler, Jason AEST:EX <Jason.Butler@gov.bc.ca>, Can Forces <ESQBWCOP@forces.gc.ca>, Carrelli, John I CITZ:EX <John.Carrelli@gov.bc.ca>, Caul, Doug D IRR:EX <Doug.Caul@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Chiddell, Dan J AG:EX <Dan.Chiddell@gov.bc.ca>, CITZ Corporate Planning CITZ:EX <CorpPlan@gov.bc.ca>, Clark, Curtis C AG:EX <Curtis.Clark@gov.bc.ca>, Dobmeier, Teresa MCF:EX <Teresa.Dobmeier@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>, ES Moc Director MUNI:EX <ESMOC.DIRECTOR@gov.bc.ca>, Farnworth, Mike PSSG:EX <Mike.Farnworth@gov.bc.ca>, Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>, Field, Travis <travis.field@forces.gc.ca>, Filmer, Cam A IRR:EX <Cam.Filmer@gov.bc.ca>, Finn, Heather GCPE:EX <Heather.Finn@gov.bc.ca>, FLNR BCWS Wildfire Leadership Team <BCWS\_WLT@Victoria1.gov.bc.ca>, Franklin, Janice IRR:EX <Janice.Franklin@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Fraser, Sarah W FLNR:EX <Sarah.Fraser@gov.bc.ca>, Fyfe, Richard J AG:EX <Richard.Fyfe@gov.bc.ca>, Galbraith, David J SDPR:EX <David.Galbraith@gov.bc.ca>, Galt, Jamie HLTH:EX <Jamie.Galt@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Grant, Nick TACS:EX <Nick.Grant@gov.bc.ca>, Halls, Lori D FLNR:EX <Lori.D.Halls@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Hughes, Trevor LBR:EX <Trevor.Hughes@gov.bc.ca>, Hykaway, Mike R FLNR:EX <Mike.Hykaway@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Kennah, Morgan FLNR:EX <Morgan.Kennah@gov.bc.ca>, Kot, Jill PREM:EX <Jill.Kot@gov.bc.ca>, Kristianson, Eric PREM:EX <Eric.Kristianson@gov.bc.ca>, XT:Van Leeuwen, Lauren JAG:IN <lvanleeuwen@provincialcourt.bc.ca>, Liesch, Nancy FLNR:EX <Nancy.Liesch@gov.bc.ca>, Luchkow, Ray FLNR:EX <Ray.Luchkow@gov.bc.ca>, MacDonald, Scott D EDUC:EX <D.Scott.MacDonald@gov.bc.ca>, Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>, McAndrews, Caroline GCPE:EX <Caroline.McAndrews@gov.bc.ca>, Mclean, Keegan CITZ:EX <Keegan.McLean@gov.bc.ca>, LDB Safety Advisor LDB:EX <safety.advisor@bcladb.com>, Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>, Miska, Ed TRAN:EX <Ed.Miska@gov.bc.ca>, Mounteney, Renee FIN:EX <Renee.Mounteney@gov.bc.ca>, Nash, Laurel ENV:EX <Laurel.Nash@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Olsson, Liz V FLNR:EX <Liz.Olsson@gov.bc.ca>, Patterson, Sarah MCF:EX <Sarah.Patterson@gov.bc.ca>, Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>, Plecas, Bobbi JERI:EX <Bobbi.Plecas@gov.bc.ca>, Poss, Angie FLNR:EX <Angie.Poss@gov.bc.ca>, Prendergast, Peter L TRAN:EX <Peter.Prendergast@gov.bc.ca>, HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Rasmussen, Paul FLNR:EX <Paul.Rasmussen@gov.bc.ca>, Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Richter, Kevin J TRAN:EX <Kevin.Richter@gov.bc.ca>, Robb, Katie TRAN:EX <Katie.Robb@gov.bc.ca>, Rothe, Karen J EMBC:EX <Karen.Rothe@gov.bc.ca>, Russell, Jonathan CITZ:EX <Jonathan.Russell@gov.bc.ca>, XT:Mahar, Ryan AG:IN <rmahar@provincialcourt.bc.ca>, Sanderson, Melanie EDUC:EX <Melanie.Sanderson@gov.bc.ca>, Sedun, Jeanne AEST:EX <Jeanne.Sedun@gov.bc.ca>, Sieben, Mark PSSG:EX <Mark.Sieben@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Strain, Melissa AG:EX <Melissa.Strain@gov.bc.ca>, Sutherland, Craig FLNR:EX <Craig.Sutherland@gov.bc.ca>, Tanaka, Sandra AEST:EX <Sandra.Tanaka@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Walker, Jennifer IRR:EX <Jennifer.7.Walker@gov.bc.ca>, Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>, Williams, Susan GCPE:EX <Susan.Williams@gov.bc.ca>,

Yuma Morisho, Okenge MUNI:EX <Okenge.YumaMorisho@gov.bc.ca>

Sent:

November 13, 2021 7:01:15 AM PST

Attachments:

image002.jpg, image004.png, image003.png, image001.jpg

Good morning,

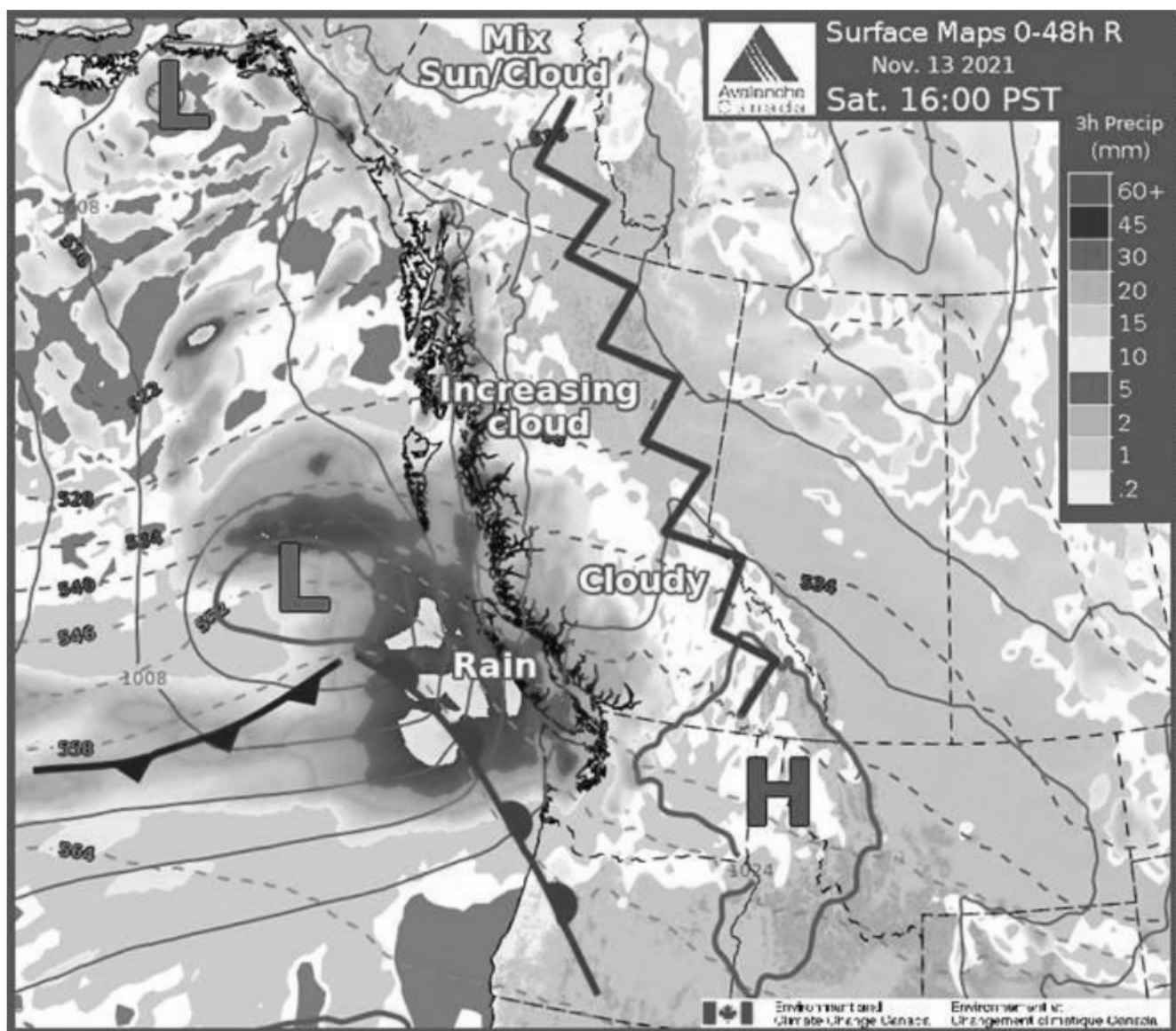
**EMBC UPDATE – November 13, 2021 @ 07:00 hrs**

## OVERVIEW

### DGIR Code 2/Overboard Shipping Containers – VIC

- The situation on board the *M/V Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue. Clean-up endpoints continue to be developed through the Environmental Unit.
- Coast Guard team boarded the *M/V Zim Kingston* to monitor clean up operations of fire debris. No concerns were noted.

## PROVINCIAL WEATHER



Showers from Prince Rupert to Port Hardy and flurries near Blue River will gradually ease as the ridge builds over the coast. In the afternoon, the ridge reaches the Rockies allowing the next approaching system to move onshore. Rain begins from Prince Rupert to Vancouver and cloud spreads into the interior.

## WEATHER ALERTS and ADVISORIES



Special weather statement (snow and rain) issued for multiple areas. Follow this [link](#) for details.

#### **FLOOD WARNINGS and ADVISORIES**

There are no flood warnings and/or advisories in effect.

#### **PROVINCIAL SUMMARY – All Hazards**

PECC Level 2	CTL	NEA	NWE	SEA	SWE	VIC	Total
PREOC Activations	-	-	-	-	-	-	-
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No significant incidents to report.

**NORTHEAST REGION**

No significant incidents to report.

**NORTHWEST REGION**

No significant incidents to report.

**SOUTHEAST REGION**

No significant incidents to report.

**SOUTHWEST REGION**

No significant incidents to report.

**VANCOUVER ISLAND and CENTRAL COAST REGION**

The VIC PREOC is providing support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - *M/V Zim Kingston* fire and overboard shipping containers.

**Martin Caldwell** | Provincial Duty Manager  
Emergency Management BC  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872  
24 Hour Emergency: 1-800-663-3456

*Follow PreparedBC*



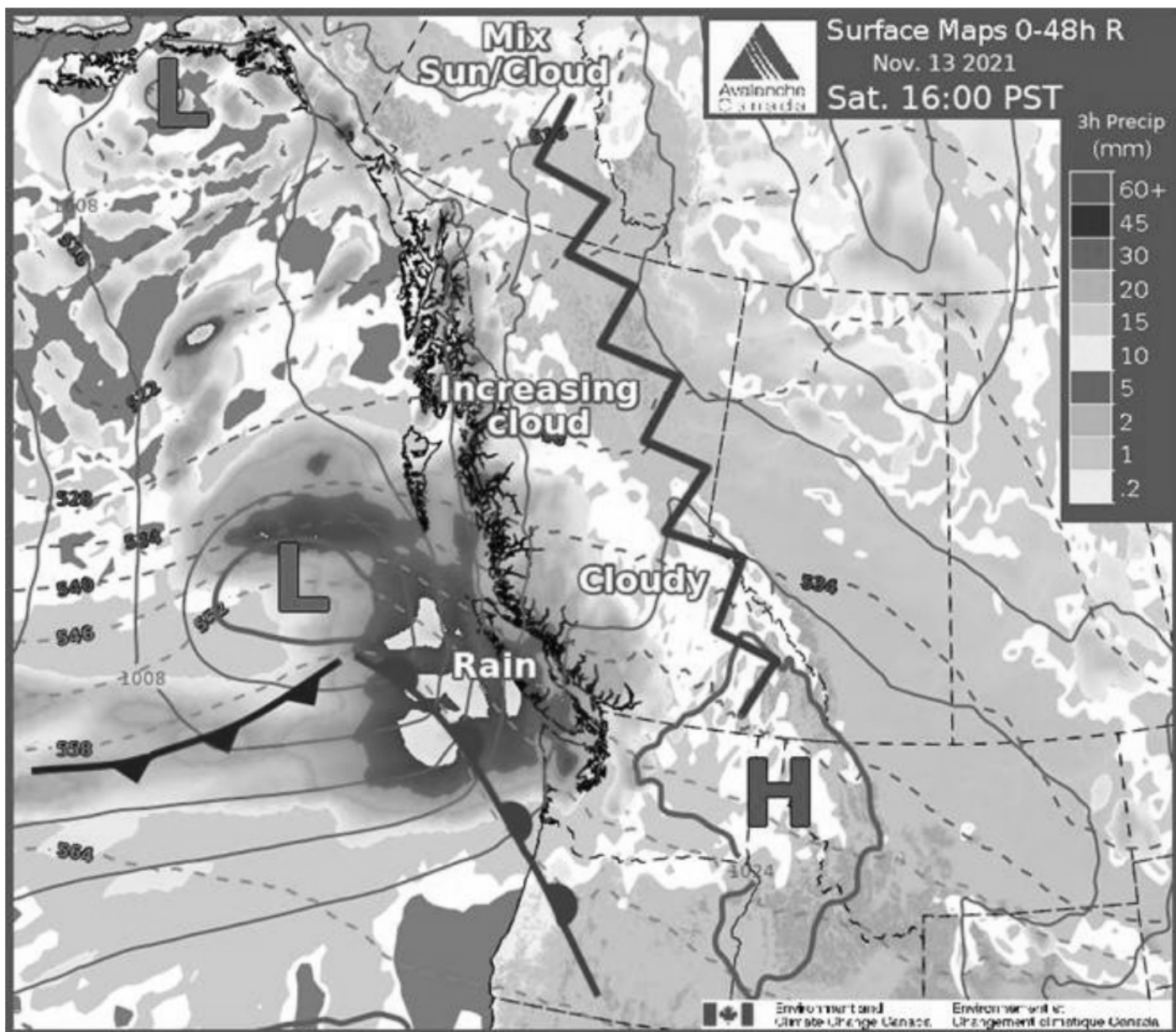
*I would like to acknowledge with respect the WSÁNEĆ and Lekwungen People whose land I am grateful to live and work on.*



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## EMBC UPDATE - November 14, 2021 @ 07:00 hrs

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From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Austin, Matt FLNR:EX <Matt.Austin@gov.bc.ca>, Bain, Nancy TIC:EX <Nancy.Bain@ticorp.ca>, Baskerville, Shannon AEST:EX <Shannon.Baskerville@gov.bc.ca>, BCCourts <Heidi.McBride@BCCourts.ca>, BCP Ministry Advisors <BCPMinistryAdvisors@Victoria1.gov.bc.ca>, Bond, Allison MCF:EX <Allison.Bond@gov.bc.ca>, Bouchard, Louise PSSG:EX <Louise.Bouchard@gov.bc.ca>, Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>, Brouwer, Shauna CITZ:EX <Shauna.Brouwer@gov.bc.ca>, Brown, Stephen R HLTH:EX <Stephen.Brown@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>, Butler, Jason AEST:EX <Jason.Butler@gov.bc.ca>, Can Forces <ESQBWCOP@forces.gc.ca>, Carrelli, John I CITZ:EX <John.Carrelli@gov.bc.ca>, Caul, Doug D IRR:EX <Doug.Caul@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Chiddell, Dan J AG:EX <Dan.Chiddell@gov.bc.ca>, CITZ Corporate Planning CITZ:EX <CorpPlan@gov.bc.ca>, Clark, Curtis C AG:EX <Curtis.Clark@gov.bc.ca>, Dobmeier, Teresa MCF:EX <Teresa.Dobmeier@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>, ES Moc Director MUNI:EX <ESMOC.DIRECTOR@gov.bc.ca>, Farnworth, Mike PSSG:EX <Mike.Farnworth@gov.bc.ca>, Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>, Field, Travis <travis.field@forces.gc.ca>, Filmer, Cam A IRR:EX <Cam.Filmer@gov.bc.ca>, Finn, Heather GCPE:EX <Heather.Finn@gov.bc.ca>, FLNR BCWS Wildfire Leadership Team <BCWS\_WLT@Victoria1.gov.bc.ca>, Franklin, Janice IRR:EX <Janice.Franklin@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Fraser, Sarah W FLNR:EX <Sarah.Fraser@gov.bc.ca>, Fyfe, Richard J AG:EX <Richard.Fyfe@gov.bc.ca>, Galbraith, David J SDPR:EX <David.Galbraith@gov.bc.ca>, Galt, Jamie HLTH:EX <Jamie.Galt@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Grant, Nick TACS:EX <Nick.Grant@gov.bc.ca>, Halls, Lori D FLNR:EX <Lori.D.Halls@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Hughes, Trevor LBR:EX <Trevor.Hughes@gov.bc.ca>, Hykaway, Mike R FLNR:EX <Mike.Hykaway@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Kennah, Morgan FLNR:EX <Morgan.Kennah@gov.bc.ca>, Kot, Jill PREM:EX <Jill.Kot@gov.bc.ca>, Kristianson, Eric PREM:EX <Eric.Kristianson@gov.bc.ca>, XT:Van Leeuwen, Lauren JAG:IN <lvanleeuwen@provincialcourt.bc.ca>, Liesch, Nancy FLNR:EX <Nancy.Liesch@gov.bc.ca>, Luchkow, Ray FLNR:EX <Ray.Luchkow@gov.bc.ca>, MacDonald, Scott D EDUC:EX <D.Scott.MacDonald@gov.bc.ca>, Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>, McAndrews, Caroline GCPE:EX <Caroline.McAndrews@gov.bc.ca>, Mclean, Keegan CITZ:EX <Keegan.McLean@gov.bc.ca>, LDB Safety Advisor LDB:EX <safety.advisor@bcladb.com>, Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>, Miska, Ed TRAN:EX <Ed.Miska@gov.bc.ca>, Mounteney, Renee FIN:EX <Renee.Mounteney@gov.bc.ca>, Nash, Laurel ENV:EX <Laurel.Nash@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Olsson, Liz V FLNR:EX <Liz.Olsson@gov.bc.ca>, Patterson, Sarah MCF:EX <Sarah.Patterson@gov.bc.ca>, Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>, Plecas, Bobbi JERI:EX <Bobbi.Plecas@gov.bc.ca>, Poss, Angie FLNR:EX <Angie.Poss@gov.bc.ca>, Prendergast, Peter L TRAN:EX <Peter.Prendergast@gov.bc.ca>, HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Rasmussen, Paul FLNR:EX <Paul.Rasmussen@gov.bc.ca>, Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Richter, Kevin J TRAN:EX <Kevin.Richter@gov.bc.ca>, Robb, Katie TRAN:EX <Katie.Robb@gov.bc.ca>, Rothe, Karen J EMBC:EX <Karen.Rothe@gov.bc.ca>, Russell, Jonathan CITZ:EX <Jonathan.Russell@gov.bc.ca>, XT:Mahar, Ryan AG:IN <rmahar@provincialcourt.bc.ca>, Sanderson, Melanie EDUC:EX <Melanie.Sanderson@gov.bc.ca>, Sedun, Jeanne AEST:EX <Jeanne.Sedun@gov.bc.ca>, Sieben, Mark PSSG:EX <Mark.Sieben@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Strain, Melissa AG:EX <Melissa.Strain@gov.bc.ca>, Sutherland, Craig FLNR:EX <Craig.Sutherland@gov.bc.ca>, Tanaka, Sandra AEST:EX <Sandra.Tanaka@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Walker, Jennifer IRR:EX <Jennifer.7.Walker@gov.bc.ca>, Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>, Williams, Susan GCPE:EX <Susan.Williams@gov.bc.ca>,



Sent: November 14, 2021 7:00:16 AM PST  
Attachments: image006.png, image008.jpg, image009.png, image007.png, image003.png  
Good morning,

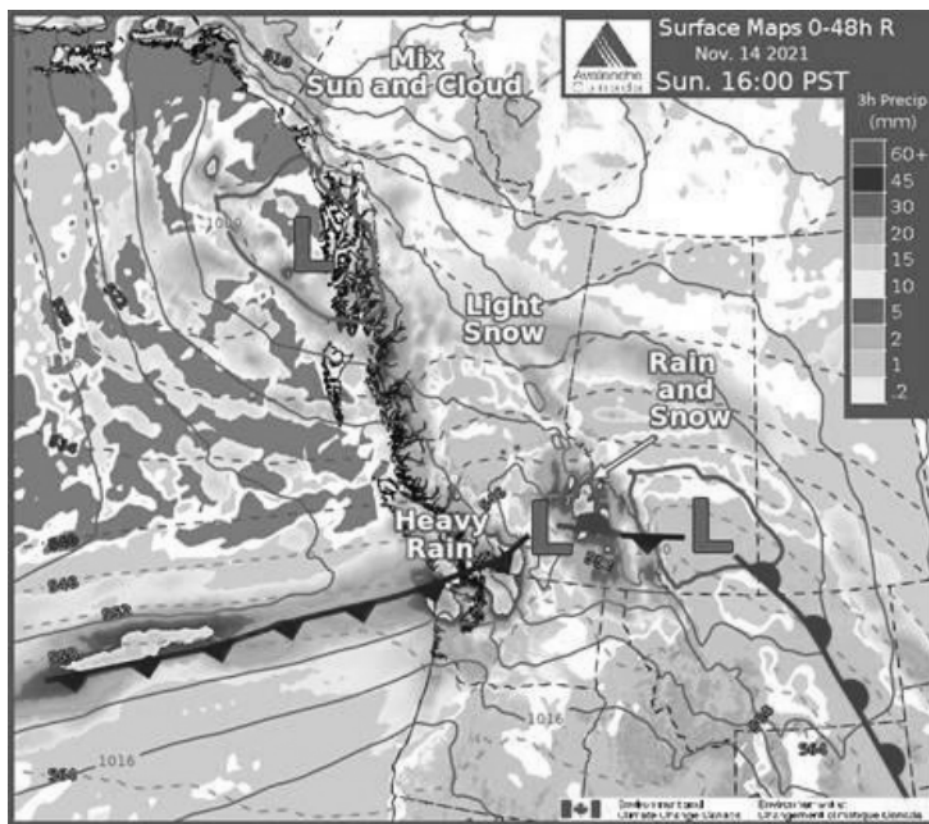
**EMBC UPDATE – November 14, 2021 @ 07:00 hrs**

**OVERVIEW**

**DGIR Code 2/Overboard Shipping Containers – VIC**

- The situation on board the *M/V Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue as weather and tides allow. Clean-up endpoints continue to be developed through the Environmental Unit.
- Biologist support crews will monitor the removal of the remaining containers from the shorelines. Additional resources will be made available for shoreline clearances as tide and weather allow.

**PROVINCIAL WEATHER**



This morning, a very active Pacific system will push warm, moist air across the southern half of the province. Freezing levels are expected to rise well above 2000 metres for the South Coast and Sea-to-Sky then reach close to 2000 metres for the Cariboos and the Columbias by afternoon. Heavy rain and high-elevation snow will prevail across these regions.

This afternoon, precipitation continues along the frontal trough in the form of rain and high-elevation snow for the Kootenays and South Rockies and heavy rain for the South Coast.

**WEATHER ALERTS and ADVISORIES**





**Snowfall Warning in effect for:** Bulkley Valley and the Lakes District, East Columbia, Kinbasket, Yellowhead and Yellowhead Highway – Tete Jaune Cache to the Alberta Border.

**Winter Storm Warning in effect for:** Trans-Canada Highway – Eagle Pass to Rogers Pass and Yoho Park – Kootenay Park.

**Rainfall Warning in effect for:** East Vancouver Island, Elk Valley, Malahat Highway – Goldstream to Mill Bay, Fraser Canyon, Coquihalla Highway – Hope to Merritt, Fraser Valley, Greater Victoria, Howe Sound, Inland Vancouver Island, Metro Vancouver, Southern Gulf Islands, Sunshine Coast, West Columbia and West Vancouver Island.

#### **FLOOD WARNINGS and ADVISORIES**



**High Streamflow Advisory in effect for:** Howe Sound, Sunshine Coast, Sea-to-Sky, North Shore Mountains, Metro Vancouver, Fraser Valley including the Chilliwack River and surrounding tributaries, South Vancouver Island, West Vancouver Island, East Vancouver Island, including the Englishman River.

#### PROVINCIAL SUMMARY – All Hazards

PECC Level 2	CTL	NEA	NWE	SEA	SWE	VIC	Total
PREOC Activations	-	-	-	-	-	-	-
Band Council Resolutions	12	1	1	-	-	-	14
States of Local Emergency	2	5	1	2	1	-	11
Evacuation Orders	2	7	1	-	1	-	11
Evacuation Alerts	1	7	1	-	-	-	9

#### REGIONAL SUMMARIES

##### CENTRAL REGION

No significant incidents to report.

##### NORTHEAST REGION

No significant incidents to report.

##### NORTHWEST REGION

No significant incidents to report.

##### SOUTHEAST REGION

No significant incidents to report.

##### SOUTHWEST REGION

No significant incidents to report.

##### VANCOUVER ISLAND and CENTRAL COAST REGION

The VIC PREOC is providing support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - *M/V Zim Kingston* fire and overboard shipping containers.

Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872  
24 Hour Emergency: 1-800-663-3456

*Follow PreparedBC*









## **FW: City of Merritt evacuation order (Coldwater river flood plain)**

---

From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Arril, Ben LWRS:EX <Ben.Arril@gov.bc.ca>, Singh, Gurdeep LWRS:EX <Gurdeep.Singh@gov.bc.ca>  
Sent: November 15, 2021 5:17:48 AM PST  
Attachments: state\_of\_local\_emergency\_declaration\_november.docx

SOLE declared

-----Original Message-----

From: Chow, Sylvia G EMBC:EX <Sylvia.Chow@gov.bc.ca>  
Sent: November 15, 2021 5:09 AM  
To: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
Cc: EMBC CTL PREOC Operations 1 EMBC:EX <preoc3.ops1@gov.bc.ca>  
Subject: FW: City of Merritt evacuation order (Coldwater river flood plain)

fyi

Sylvia

-----Original Message-----

From: Greg Lewis <glowis@merritt.ca>  
Sent: November 15, 2021 3:00 AM  
To: Chow, Sylvia G EMBC:EX <Sylvia.Chow@gov.bc.ca>  
Subject: RE: City of Merritt evacuation order (Coldwater river flood plain)

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

Attached!

Let me know if you need anything else from us

Greg Lewis  
Director of Corporate Services  
City of Merritt  
glowis@merritt.ca

-----Original Message-----

From: Chow, Sylvia G EMBC:EX <Sylvia.Chow@gov.bc.ca>  
Sent: November 15, 2021 2:50 AM  
To: Greg Lewis <glowis@merritt.ca>  
Subject: Re: City of Merritt evacuation order (Coldwater river flood plain)

Thank Greg  
Do you have the SOLE as well?

Sylvia Chow  
Regional Manager

Central Region

Emergency Management British Columbia

1255-D Dalhousie Drive<x-apple-data-detectors://17/0>

Kamloops, BC V2C 5Z5 CANADA<x-apple-data-detectors://17/0>

embc.gov.bc.ca<https://www2.gov.bc.ca/gov/content/safety/emergency-preparedness-response-recovery>

Ph 250.312.7456<tel:250.371.5226>

Mobile 250.318.1045<tel:250.318.1045>

24 Hour Emergency Reporting 1.800.663.3456<tel:1.800.663.3456>

Acknowledging that we are conducting our operations on the traditional territory of the Tk'emlúps te Secwepemc people

On Nov 15, 2021, at 02:41, Greg Lowis <glowis@merritt.ca> wrote:

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

Please find attached City of Merritt Evac Order for coldwater river flood plain following this morning's SOLE declaration.

Greg Lowis

Director of Corporate Services

City of Merritt

glowis@merritt.ca

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.





## Declaration of State of Local Emergency

Copyright

Mayor Linda Brown  
City of Merritt

## **FW: City of Merritt evacuation order (Coldwater river flood plain)**

---

From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Arril, Ben FLNR:EX <Ben.Arril@gov.bc.ca>, Singh, Gurdeep FLNR:EX <Gurdeep.Singh@gov.bc.ca>  
Sent: November 15, 2021 5:17:48 AM PST  
Attachments: state\_of\_local\_emergency\_declaration\_november.docx

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-----Original Message-----

From: Chow, Sylvia G EMBC:EX <Sylvia.Chow@gov.bc.ca>  
Sent: November 15, 2021 5:09 AM  
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Cc: EMBC CTL PREOC Operations 1 EMBC:EX <preoc3.ops1@gov.bc.ca>  
Subject: FW: City of Merritt evacuation order (Coldwater river flood plain)

fyi

Sylvia

-----Original Message-----

From: Greg Lewis <glowis@merritt.ca>  
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Attached!

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Greg Lewis  
Director of Corporate Services  
City of Merritt  
glowis@merritt.ca

-----Original Message-----

From: Chow, Sylvia G EMBC:EX <Sylvia.Chow@gov.bc.ca>  
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Subject: Re: City of Merritt evacuation order (Coldwater river flood plain)

Thank Greg  
Do you have the SOLE as well?

Sylvia Chow  
Regional Manager

Central Region

Emergency Management British Columbia

1255-D Dalhousie Drive<x-apple-data-detectors://17/0>

Kamloops, BC V2C 5Z5 CANADA<x-apple-data-detectors://17/0>

embc.gov.bc.ca<https://www2.gov.bc.ca/gov/content/safety/emergency-preparedness-response-recovery>

Ph 250.312.7456<tel:250.371.5226>

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Greg Lowis

Director of Corporate Services

City of Merritt

glowis@merritt.ca

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## EMBC UPDATE - November 15, 2021 @ 07:00 hrs

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From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Austin, Matt FLNR:EX <Matt.Austin@gov.bc.ca>, Bain, Nancy TIC:EX <Nancy.Bain@ticorp.ca>, Baskerville, Shannon AEST:EX <Shannon.Baskerville@gov.bc.ca>, BCCourts <Heidi.McBride@BCCourts.ca>, BCP Ministry Advisors <BCPMinistryAdvisors@Victoria1.gov.bc.ca>, Bond, Allison MCF:EX <Allison.Bond@gov.bc.ca>, Bouchard, Louise PSSG:EX <Louise.Bouchard@gov.bc.ca>, Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>, Brouwer, Shauna CITZ:EX <Shauna.Brouwer@gov.bc.ca>, Brown, Stephen R HLTH:EX <Stephen.Brown@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>, Butler, Jason AEST:EX <Jason.Butler@gov.bc.ca>, Can Forces <ESQBWCOP@forces.gc.ca>, Carrelli, John I CITZ:EX <John.Carrelli@gov.bc.ca>, Caul, Doug D IRR:EX <Doug.Caul@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Chiddell, Dan J AG:EX <Dan.Chiddell@gov.bc.ca>, CITZ Corporate Planning CITZ:EX <CorpPlan@gov.bc.ca>, Clark, Curtis C AG:EX <Curtis.Clark@gov.bc.ca>, Dobmeier, Teresa MCF:EX <Teresa.Dobmeier@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>, ES Moc Director MUNI:EX <ESMOC.DIRECTOR@gov.bc.ca>, Farnworth, Mike PSSG:EX <Mike.Farnworth@gov.bc.ca>, Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>, Field, Travis <travis.field@forces.gc.ca>, Filmer, Cam A IRR:EX <Cam.Filmer@gov.bc.ca>, Finn, Heather GCPE:EX <Heather.Finn@gov.bc.ca>, FLNR BCWS Wildfire Leadership Team <BCWS\_WLT@Victoria1.gov.bc.ca>, Franklin, Janice IRR:EX <Janice.Franklin@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Fraser, Sarah W FLNR:EX <Sarah.Fraser@gov.bc.ca>, Fyfe, Richard J AG:EX <Richard.Fyfe@gov.bc.ca>, Galbraith, David J SDPR:EX <David.Galbraith@gov.bc.ca>, Galt, Jamie HLTH:EX <Jamie.Galt@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Grant, Nick TACS:EX <Nick.Grant@gov.bc.ca>, Halls, Lori D FLNR:EX <Lori.D.Halls@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Hughes, Trevor LBR:EX <Trevor.Hughes@gov.bc.ca>, Hykaway, Mike R FLNR:EX <Mike.Hykaway@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Kennah, Morgan FLNR:EX <Morgan.Kennah@gov.bc.ca>, Kot, Jill PREM:EX <Jill.Kot@gov.bc.ca>, Kristianson, Eric PREM:EX <Eric.Kristianson@gov.bc.ca>, XT:Van Leeuwen, Lauren JAG:IN <lvanleeuwen@provincialcourt.bc.ca>, Liesch, Nancy FLNR:EX <Nancy.Liesch@gov.bc.ca>, Luchkow, Ray FLNR:EX <Ray.Luchkow@gov.bc.ca>, MacDonald, Scott D EDUC:EX <D.Scott.MacDonald@gov.bc.ca>, Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>, McAndrews, Caroline GCPE:EX <Caroline.McAndrews@gov.bc.ca>, Mclean, Keegan CITZ:EX <Keegan.McLean@gov.bc.ca>, LDB Safety Advisor LDB:EX <safety.advisor@bcladb.com>, Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>, Miska, Ed TRAN:EX <Ed.Miska@gov.bc.ca>, Mounteney, Renee FIN:EX <Renee.Mounteney@gov.bc.ca>, Nash, Laurel ENV:EX <Laurel.Nash@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Olsson, Liz V FLNR:EX <Liz.Olsson@gov.bc.ca>, Patterson, Sarah MCF:EX <Sarah.Patterson@gov.bc.ca>, Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>, Plecas, Bobbi JERI:EX <Bobbi.Plecas@gov.bc.ca>, Poss, Angie FLNR:EX <Angie.Poss@gov.bc.ca>, Prendergast, Peter L TRAN:EX <Peter.Prendergast@gov.bc.ca>, HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Rasmussen, Paul FLNR:EX <Paul.Rasmussen@gov.bc.ca>, Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Richter, Kevin J TRAN:EX <Kevin.Richter@gov.bc.ca>, Robb, Katie TRAN:EX <Katie.Robb@gov.bc.ca>, Rothe, Karen J EMBC:EX <Karen.Rothe@gov.bc.ca>, Russell, Jonathan CITZ:EX <Jonathan.Russell@gov.bc.ca>, XT:Mahar, Ryan AG:IN <rmahar@provincialcourt.bc.ca>, Sanderson, Melanie EDUC:EX <Melanie.Sanderson@gov.bc.ca>, Sedun, Jeanne AEST:EX <Jeanne.Sedun@gov.bc.ca>, Sieben, Mark PSSG:EX <Mark.Sieben@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Strain, Melissa AG:EX <Melissa.Strain@gov.bc.ca>, Sutherland, Craig FLNR:EX <Craig.Sutherland@gov.bc.ca>, Tanaka, Sandra AEST:EX <Sandra.Tanaka@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Walker, Jennifer IRR:EX <Jennifer.7.Walker@gov.bc.ca>, Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>, Williams, Susan GCPE:EX <Susan.Williams@gov.bc.ca>,

Yuma Morisho, Okenge MUNI:EX <Okenge.YumaMorisho@gov.bc.ca>  
Sent: November 15, 2021 7:00:04 AM PST  
Attachments: image004.png, image006.png, image007.jpg, image005.png, image003.png  
Good morning,

**EMBC UPDATE – November 15, 2021 @ 07:00 hrs**

**OVERVIEW**

**Atmospheric River Events– Multiple Regions**

This weekend's atmospheric river caused heavy rain and localized flooding. Multiple rain-induced incidents occurred in the SWE and CTL regions last night. Princeton, District of Kent, City of Merritt and Fraser Valley Regional District each declared a SOLE due to flooding or mudslide. As well, several Evacuation Alerts/Orders were issued in Merritt, Regional District of Okanagan-Similkameen and City of Abbotsford.

- **Activations**
  - SWE PREOC is activated.
  - Chilliwack, Hope, Pitt Meadows, City of Langley, Fraser Valley Regional District, District of Kent, Fernie and Abbotsford activated their EOCs in the SWE region.
  - Abbotsford activated a Reception Centre.
  - Regional District of Okanagan-Similkameen, Tulameen and Princeton activated their EOCs in the CTL region.
- **Evacuations**
  - 200 residents tactically evacuated by Popkum Fire Department in Bridal Falls area due to flooding.
  - 24 properties evacuated in Tulameen due to flooding.
  - One family evacuated in Langley due to a mudslide.
  - 12 homes in Abbotsford evacuated due to flooding.
  - City of Merritt evacuated 800 to 900 residences.
- **Highway Closures**
  - Highway 1 (Agassiz – Spences Bridge).
  - Highway 3 (Sunshine Valley).
  - Highway 5 (Hope – Merritt).
  - Highway 7 (Maple Ridge – Hope).
  - Highway 11 (US border – Vye Road, Abbotsford).
- **Motor Vehicle Incident – Highway 7 near Agassiz - SWE**
  - Two vehicles and a semi-truck went over an embankment due to mudslide.
  - Approximately 80 vehicles were stuck overnight on the roadway.
  - Agassiz Fire Department, Hope SAR and HUSAR TF#1 responded to obstructions and persons trapped in their vehicles. 5 patients were transferred to hospital.
  - Further operations will continue early morning.
- Reports of mud and landslides in District of Kent, Highway 1 and Abbotsford. EPCs will investigate today.

**Town of Princeton - CTL**

- Dike has breached. Estimated water level is 18 inches above dike.
- Downtown core is flooded, as well, as areas north and west of the community.
- Group lodging/comfort centres are being set up at Riverside Community Hall. Schools may be used, if out of room.
- SAR has been requested to assist with evacuations.
- Boil water notice in effect.

**City of Merritt - CTL**

- Dike has breached while rain is still falling and water levels rising.
- Evacuating 800 to 900 residences.
- Group lodging/warming centres are being set up. Churches may be used, if out of room.
- The sewage treatment plant has been deemed unsafe for human occupancy.
  - The plant will be locked up and the City is looking at a potential evacuation of 7800 people due to a lack of clean water and sewage treatment.
- Swift water team was required to assist in evacuating one homeowner due to high, rushing water.
- This event will require ESS supports. The City is intending to send some evacuees to Kamloops.

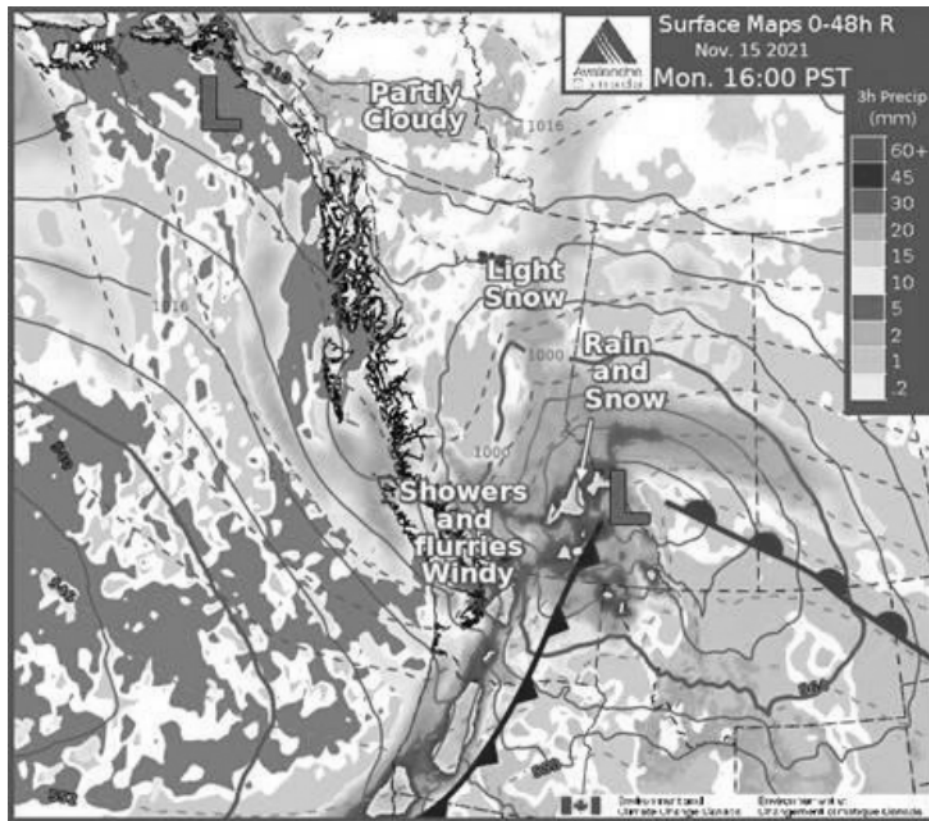
**DGIR Code 1 - Train Derailment (2 Cars) - Mile 80 Yale - SWE**

- Cause unknown, but derailment likely due to rain.
- No dangerous goods. Dry materials only.
- No injuries or waterways impacted.

## DGIR Code 2/Overboard Shipping Containers – VIC

- The situation on board the M/V *Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue as weather and tides allow. Crews are working on readying debris to be removed from the sites when conditions are favourable.

## PROVINCIAL WEATHER



This morning, moderate to heavy precipitation remains focused near a low-pressure system over Vancouver Island and its associated fronts. Heavy rain over the South Coast continues along the nearly stalled cold front. It will end when the front finally edges forward into Washington state, likely around mid-day. Uncertainty remains about how long the front will stall and exactly when it will finally move out which will impact the timing of the end of the precipitation and the total amounts.

This afternoon, the cold front will progress across Washington and Oregon. In its wake, precipitation will taper off and modified arctic air will advance across the entire province causing freezing levels to fall through the day. Closer to the low-pressure system along the Rockies and neighbouring ranges, rain and high-elevation snow continues, changing to light snow or flurries at all elevations during the evening.

## WEATHER ALERTS and ADVISORIES



**Special Weather Statement (Wind) in effect for:** 100 Mile, Boundary, Nicola, Okanagan Valley, Shuswap, Similkameen and South Thompson.

**Rainfall Warning in effect for:** Arrow Lakes – Slocan Lake, East Vancouver Island, Malahat Highway – Goldstream to Mill Bay, Elk Valley, Fraser Canyon, Coquihalla Highway – Hope to Merritt, Fraser Valley, Greater Victoria, Howe Sound, Sea-to-Sky – Squamish to Whistler, Inland Vancouver Island, Kootenay Lake, Metro Vancouver, Nicola, Southern Gulf Islands, Sunshine Coast, West Columbia, West Vancouver Island and Whistler.

**Snowfall Warning in effect for:** East Columbia, Kinbasket, Yellowhead Highway – Tete Jaune Cache to the Alberta Border and Yellowhead.

**Wind Warning in effect for:** Fraser Canyon, Greater Victoria and Metro Vancouver.

**Winter Storm Warning in effect for:** Trans-Canada Highway – Eagle Pass to Rogers Pass and Yoho Park – Kootenay Park.

#### FLOOD WARNINGS and ADVISORIES



**Flood Warning in effect for:** Similkameen River, Cowichan River, Koksilah River, Coquihalla River, Tulameen River including tributaries and Coldwater River.

**Flood Watch in effect for:** South Vancouver Island, Fraser Valley including surrounding tributaries, Fraser Canyon tributaries including tributaries around Hope, Chilliwack River, and the Englishman River.

**High Streamflow Advisory in effect for:** Central Vancouver Island including tributaries around Port Alberni, Howe Sound, Sunshine Coast, Sea-to-Sky, North Shore Mountains, Metro Vancouver, West Vancouver Island, and East Vancouver Island.

#### PROVINCIAL SUMMARY – All Hazards

PECC Level 2	CTL	NEA	NWE	SEA	SWE	VIC	Total
PREOC Activations	-	-	-	-	1	-	1
Band Council Resolutions	12	1	1	-	-	-	14
States of Local Emergency	4(+2)	5	1	2	3(+2)	-	15(+4)
Evacuation Orders	8(+6)	7	1	-	3(+2)	-	19(+8)
Evacuation Alerts	3(+2)	7	1	-	6(+6)	-	17(+8)

#### REGIONAL SUMMARIES

##### CENTRAL REGION

###### City of Merritt

- SOLE declared due to flooding.
- An Evacuation Alert and an Order issued for properties within the Coldwater River 200-year flood plain.
- An Evacuation Order issued for properties South of Coldwater Avenue and East of Voght Street.

###### Regional District of Okanagan-Similkameen

- An Evacuation Order issued for 34 addresses in EA “H” due to flooding.

###### Town of Princeton

- SOLE declared due to flooding.
- 3 Evacuation Orders and 1 Alert issued for low-lying properties along the Tulameen River.

##### NORTHEAST REGION

No significant incidents to report.

##### NORTHWEST REGION

No significant incidents to report.



## **SOUTHEAST REGION**

No significant incidents to report.

## **SOUTHWEST REGION**

SWE PREOC is activated in response to rain-induced incidents.

### **Fraser Valley Regional District**

- SOLE declared due to flooding and mudslides.
- An Evacuation Order issued for 53730 Bridal Falls Road (Camperland RV Resort & Cabins).
- An Evacuation Order issued for 4 properties on Auchenway Road in EA "E".

### **City of Abbotsford**

- An Evacuation Alert issued for Clayburn Area: Clayburn Village and surrounding area.
- An Evacuation Alert issued for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place.
- An Evacuation Alert issued for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road.
- An Evacuation Alert issued for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road.
- An Evacuation Alert issued for Straiton Areas: Dawson Road East of Sumas Mountain Road.

### **District of Kent**

- SOLE declared due to flooding.
- An Evacuation Alert for residents south of 6500 block of Rockwell Drive.

## **VANCOUVER ISLAND and CENTRAL COAST REGION**

The VIC PREOC is providing support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - *M/V Zim Kingston* fire and overboard shipping containers.

### **Janet Adams | Provincial Duty Manager**

Emergency Management BC

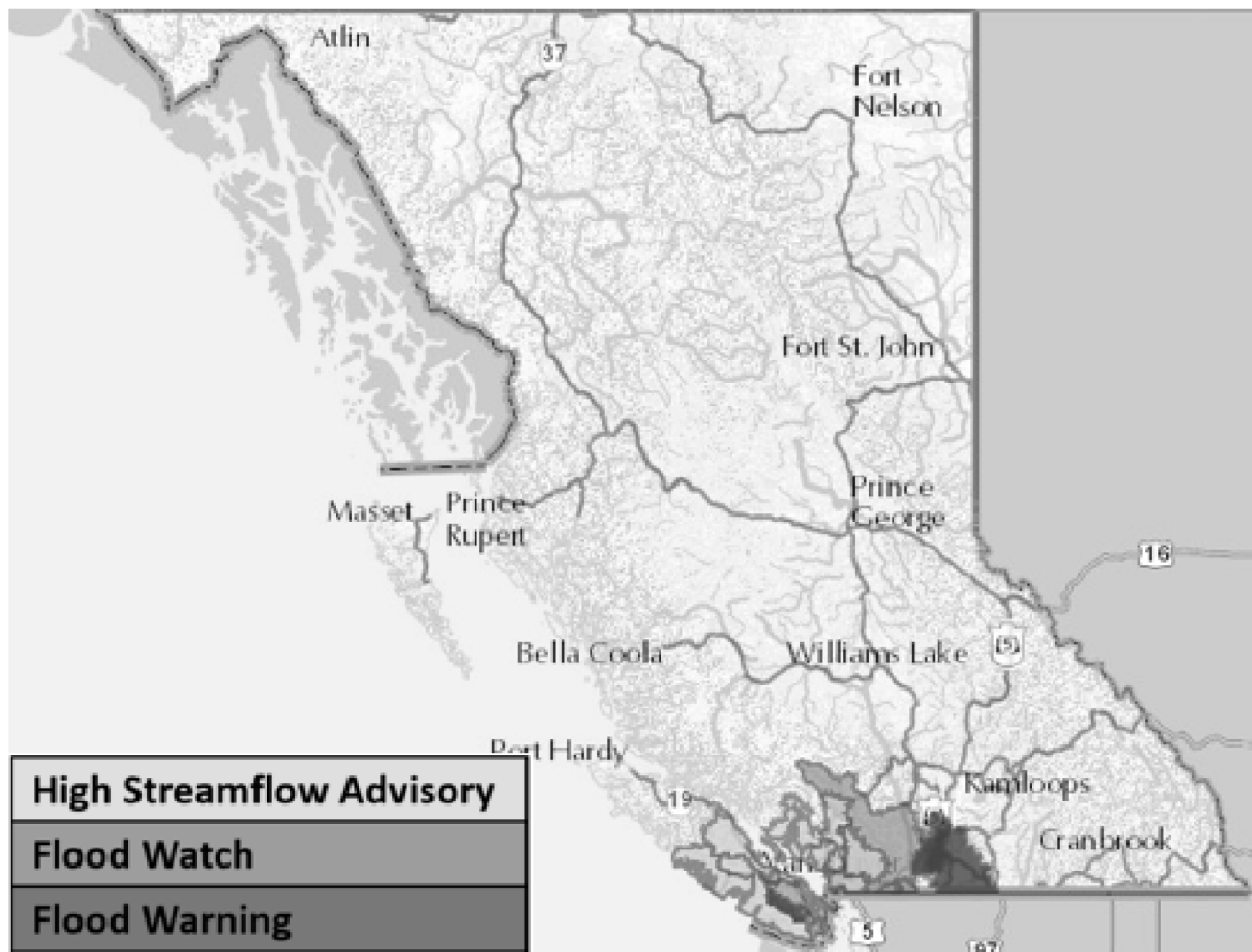
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

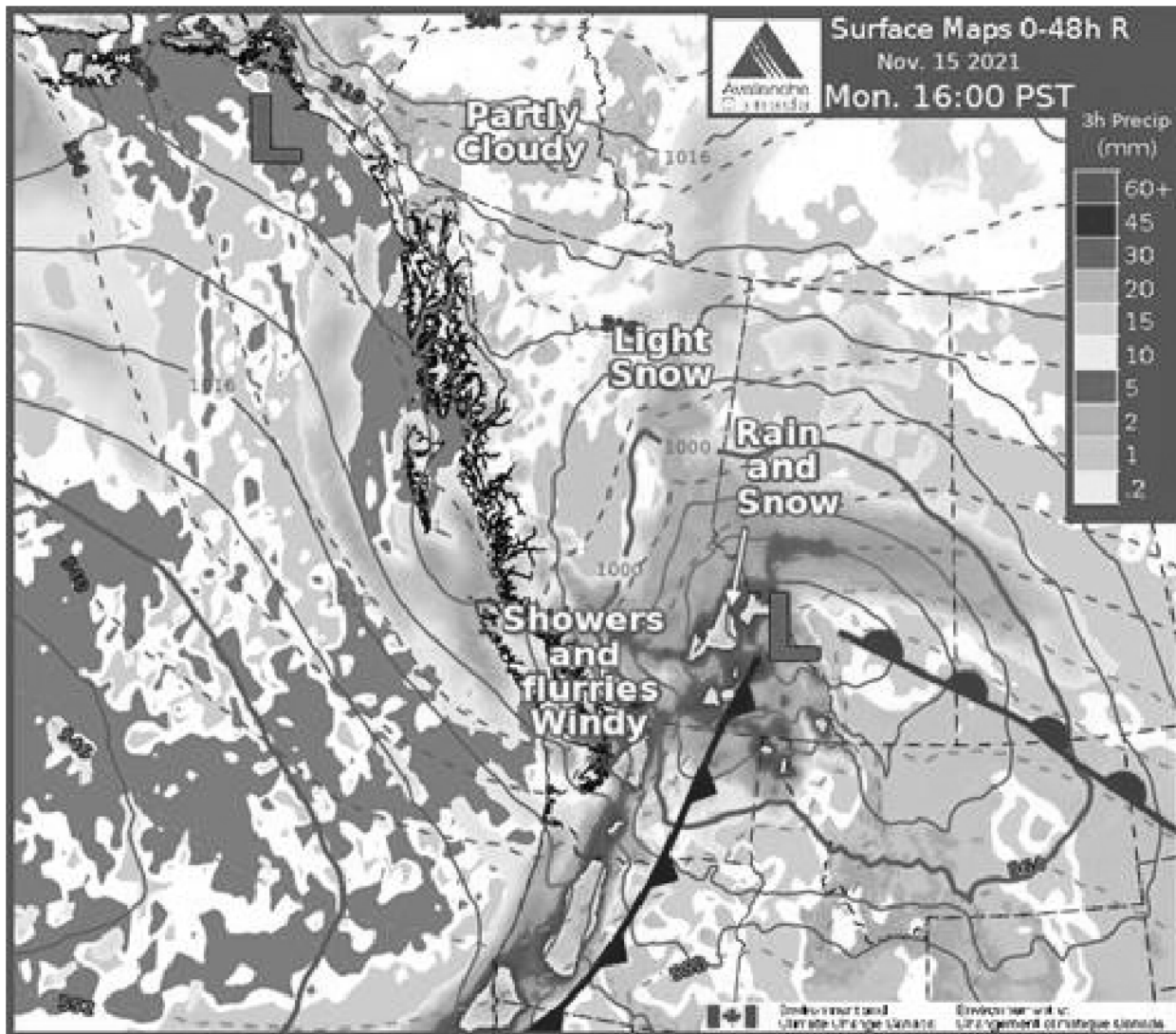
Ph: 250-952-4278 Fax: 250-952-4872

24 Hour Emergency: 1-800-663-3456

*Follow PreparedBC*









## FW: EMBC UPDATE - November 15, 2021 @ 07:00 hrs

---

From: Richards, Tara R EMBC:EX  
To: Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>  
Sent: November 15, 2021 11:26:20 AM PST  
Attachments: image006.png, image004.png, image007.jpg, image005.png, image003.png  
This was the 7 am update. Waiting for the mid-day ECC weather update. There are also River Forecast Centre updates – do you want to added to those?

---

**From:** EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>

**Sent:** November 15, 2021 7:00 AM

**To:** Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>; Brach, Pader W EMBC:EX <Pader.Brach@gov.bc.ca>  
**Cc:** Adams, Janet EMBC:EX <Janet.Adams@gov.bc.ca>; Antwright, Matt EMBC:EX <Matt.Antwright@gov.bc.ca>; Bates, Stan EMBC:EX <Stan.Bates@gov.bc.ca>; Bennett, Ryland EMBC:EX <Ryland.Bennett@gov.bc.ca>; Birney, Tyler EMBC:EX <Tyler.Birney@gov.bc.ca>; Bosworth, Gemma EMBC:EX <Gemma.Bosworth@gov.bc.ca>; Brandson, Paul EMBC:EX <Paul.Brandson@gov.bc.ca>; Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>; Caldwell, Martin EMBC:EX <Martin.Caldwell@gov.bc.ca>; Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>; EMBC PECC Operations 1 EMBC:EX <pecc.ops1@gov.bc.ca>; EMBC Social Media <EMBCCOMM@Victoria1.gov.bc.ca>; Environment Canada Wx <'ec.msa-pacifique-wpm-pacific.ec@canada.ca'>; Ewanyshyn, Ron EMBC:EX <Ron.Ewanyshyn@gov.bc.ca>; Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>; Forge, Kathryn EMBC:EX <Kathryn.Forge@gov.bc.ca>; Giles, Andrew FLNR:EX <Andrew.Giles@gov.bc.ca>; Godlonton, Brian EMBC:EX <Brian.Godlonton@gov.bc.ca>; Harper, Aimee GCPE:EX <Aimee.Harper@gov.bc.ca>; HEMBC Provincial Ops <amy.romanas@phsa.ca>; Herie, Beth EMBC:EX <Beth.Herie@gov.bc.ca>; Hetschko, Ryan EMBC:EX <Ryan.Hetschko@gov.bc.ca>; CIEM Branch IRR:EX <CIEMBranch@gov.bc.ca>; Iwama, Julia EMBC:EX <Julia.Iwama@gov.bc.ca>; Lee, Mitchell EMBC:EX <Mitchell.1.Lee@gov.bc.ca>; Mathie, Colin EMBC:EX <Colin.Mathie@gov.bc.ca>; McCabe, Melissa EMBC:EX <Melissa.McCabe@gov.bc.ca>; McClintock, Carol EMBC:EX <Carol.McClintock@gov.bc.ca>; Morrison, Andrew EMBC:EX <Andrew.Morrison@gov.bc.ca>; O'Higgins-Wilson, Jane EMBC:EX <Jane.OHigginsWilson@gov.bc.ca>; Oliver, Chrissy EMBC:EX <Chrissy.Oliver@gov.bc.ca>; Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>; HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>; Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>; Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>; Simpson, Farrah EMBC:EX <Farrah.Simpson@gov.bc.ca>; Singh, Gurdeep FLNR:EX <Gurdeep.Singh@gov.bc.ca>; Stanford, David FIN:EX <David.Stanford@gov.bc.ca>; Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>; Walker, Melia EMBC:EX <Melia.Walker@gov.bc.ca>; Walshaw, Tim EMBC:EX <Tim.Walshaw@gov.bc.ca>; White, Robert EMBC:EX <Robert.White@gov.bc.ca>; Williams, Susan GCPE:EX <Susan.Williams@gov.bc.ca>

**Subject:** EMBC UPDATE - November 15, 2021 @ 07:00 hrs

Good morning,

### EMBC UPDATE – November 15, 2021 @ 07:00 hrs

#### OVERVIEW

##### Atmospheric River Events– Multiple Regions

This weekend's atmospheric river caused heavy rain and localized flooding. Multiple rain-induced incidents occurred in the SWE and CTL regions last night. Princeton, District of Kent, City of Merritt and Fraser Valley Regional District each declared a SOLE due to flooding or mudslide. As well, several Evacuation Alerts/Orders were issued in Merritt, Regional District of Okanagan-Similkameen and City of Abbotsford.

##### • Activations

- SWE PREOC is activated.
- Chilliwack, Hope, Pitt Meadows, City of Langley, Fraser Valley Regional District, District of Kent, Fernie and Abbotsford activated their EOCs in the SWE region.
- Abbotsford activated a Reception Centre.
- Regional District of Okanagan-Similkameen, Tulameen and Princeton activated their EOCs in the CTL region.

##### • Evacuations

- 200 residents tactically evacuated by Popkum Fire Department in Bridal Falls area due to flooding.
- 24 properties evacuated in Tulameen due to flooding.
- One family evacuated in Langley due to a mudslide.
- 12 homes in Abbotsford evacuated due to flooding.

- City of Merritt evacuated 800 to 900 residences.
- **Highway Closures**
  - Highway 1 (Agassiz – Spences Bridge).
  - Highway 3 (Sunshine Valley).
  - Highway 5 (Hope – Merritt).
  - Highway 7 (Maple Ridge – Hope).
  - Highway 11 (US border – Vye Road, Abbotsford).
- **Motor Vehicle Incident – Highway 7 near Agassiz - SWE**
  - Two vehicles and a semi-truck went over an embankment due to mudslide.
  - Approximately 80 vehicles were stuck overnight on the roadway.
  - Agassiz Fire Department, Hope SAR and HUSAR TF#1 responded to obstructions and persons trapped in their vehicles. 5 patients were transferred to hospital.
  - Further operations will continue early morning.
- Reports of mud and landslides in District of Kent, Highway 1 and Abbotsford. EPCs will investigate today.

#### **Town of Princeton - CTL**

- Dike has breached. Estimated water level is 18 inches above dike.
- Downtown core is flooded, as well, as areas north and west of the community.
- Group lodging/comfort centres are being set up at Riverside Community Hall. Schools may be used, if out of room.
- SAR has been requested to assist with evacuations.
- Boil water notice in effect.

#### **City of Merritt - CTL**

- Dike has breached while rain is still falling and water levels rising.
- Evacuating 800 to 900 residences.
- Group lodging/warming centres are being set up. Churches may be used, if out of room.
- The sewage treatment plant has been deemed unsafe for human occupancy.
  - The plant will be locked up and the City is looking at a potential evacuation of 7800 people due to a lack of clean water and sewage treatment.
- Swift water team was required to assist in evacuating one homeowner due to high, rushing water.
- This event will require ESS supports. The City is intending to send some evacuees to Kamloops.

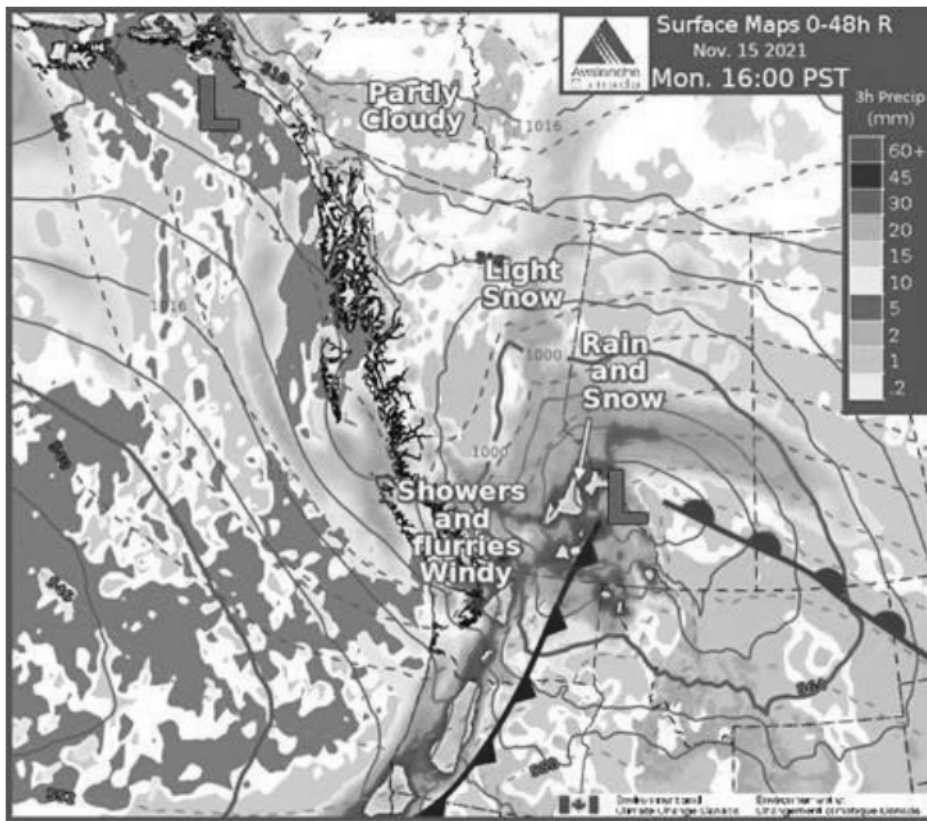
#### **DGIR Code 1 - Train Derailment (2 Cars) - Mile 80 Yale - SWE**

- Cause unknown, but derailment likely due to rain.
- No dangerous goods. Dry materials only.
- No injuries or waterways impacted.

#### **DGIR Code 2/Overboard Shipping Containers – VIC**

- The situation on board the M/V *Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue as weather and tides allow. Crews are working on readying debris to be removed from the sites when conditions are favourable.

#### **PROVINCIAL WEATHER**



This morning, moderate to heavy precipitation remains focused near a low-pressure system over Vancouver Island and its associated fronts. Heavy rain over the South Coast continues along the nearly stalled cold front. It will end when the front finally edges forward into Washington state, likely around mid-day. Uncertainty remains about how long the front will stall and exactly when it will finally move out which will impact the timing of the end of the precipitation and the total amounts.

This afternoon, the cold front will progress across Washington and Oregon. In its wake, precipitation will taper off and modified arctic air will advance across the entire province causing freezing levels to fall through the day. Closer to the low-pressure system along the Rockies and neighbouring ranges, rain and high-elevation snow continues, changing to light snow or flurries at all elevations during the evening.

#### **WEATHER ALERTS and ADVISORIES**



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The VIC PREOC is providing support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - *M/V Zim Kingston* fire and overboard shipping containers.

### **Janet Adams | Provincial Duty Manager**

Emergency Management BC

Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872

24 Hour Emergency: 1-800-663-3456

*Follow PreparedBC*



## FW: RUSH Request - Flood Mitigation funding for Merritt and Kamloops

---

From: Kellam, Wendy EMBC:EX <Wendy.Kellam@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
Sent: November 15, 2021 11:51:53 AM PST  
Hi Agnes,  
FYI - you were not included in the below distribution.

Wendy  
EMBC | Admin Support  
\*\* smile everyday \*\*

---

**From:** Broad, Amanda EMBC:EX <Amanda.Broad@gov.bc.ca>  
**Sent:** November 15, 2021 11:45 AM  
**To:** Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>; Forge, Kathryn EMBC:EX <Kathryn.Forge@gov.bc.ca>  
**Cc:** Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>; Broad, Amanda EMBC:EX <Amanda.Broad@gov.bc.ca>; Kellam, Wendy EMBC:EX <Wendy.Kellam@gov.bc.ca>; Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Subject:** RUSH Request - Flood Mitigation funding for Merritt and Kamloops

---

Hi Everyone,

Emergency Management BC has funded the following projects through the Province of B.C.'s Community Emergency Preparedness Fund:

### City of Merritt:

- **Detailed Flood Hazard Mapping** (complete)
  - Provincial contributions: \$150,000.00 Project total: \$150,000.00
  - Detailed flood hazard assessment and flood mapping of Coldwater and Nicola rivers at the city of Merritt. Merritt is primarily located on floodplains at the confluence of Coldwater and Nicola River, The objective of this project was to provide detailed flood hazard maps required to make informed decisions about public safety, development, bylaw implementation, and mitigation planning. Project built on regional flood frequency analysis and hydraulic modelling already completed at a lower level of detail and will incorporate (where relevant) the results of previous site-specific hydrotechnical assessments. The scope included field survey of channel bathymetry and hydraulic structures, refinement of detailed hydraulic models, and the preparation of detailed floodplain maps.
- **Voght Street Structural Flood Mitigation Project** (complete)
  - Provincial contributions: \$750,000.00 Project total: \$1,967,973.00
  - The project raised a section of Voght Street north from the Voght Street bridge to Blackwell Ave. The road was raised to meet calculated elevations determined and supported by river modelling data to protect an arterial roadway and critical sanitary sewer infrastructure from frequent and imminent flooding events. The project provided riverbank erosion/scour works incorporated into the road design to reduce the risk of damage or loss to the roadway and utilities such and hydro poles, gas, sanitary infrastructure, watermains and storm outfalls. The project area occupies a 480 meter length of Voght Street from the bridge over Nicola River north to Blackwell Ave. The project area is surrounded primarily by public parks (Lions and Rotary Parks) but also residences and businesses are located in the project vicinity and have been impacted by the repetitive flood events. The designed and associated works were to achieve the following outcomes, namely: - Stabilize and reinforce the road structural integrity via the proposed designed - Improve and increase the life of the road using environmentally engineered and pre-designed rip-rap to mitigate against the risk from erosion and scouring - Realign the road with increments in elevation to overcome the 200-year scour depths and a flood approximately equal to the 2018 flood - Help avoid significant transfer of flood risk to third parties

### City of Kamloops:

- **Downtown Peterson Creek Study** (in progress)
  - Provincial contributions: \$150,000.00 Project total: \$150,000.00
  - The City completed the Peterson Creek Watershed Master Plan in 2017. The creek channel through the downtown was identified as an area at risk of flooding during major events. This study provided knowledge of the flood hazards to develop effective strategies to mitigate and prepare for risks identified. The project

included a risk assessment that identified the social, economic and environmental impacts of a 1:100 year flood event and identify compounding hazards, community and infrastructure vulnerabilities and risk tolerance for the event. The detailed assessment determined the channel's flood potential. It included surveying the channel, flow monitoring, hydraulic modeling, floodplain mapping, public consultation, and a flood risk assessment (RAIT). Following the assessment, various solution methods were investigated and compared based on cost, social and development impacts, risks and challenges.

- **Dike Flood Risk Mitigation Planning** (in progress)

- Provincial contributions: \$150,000.00 Project total: \$150,000.00
- The City of Kamloops is located at the confluence of the North and South Thompson Rivers. A significant amount of dike infrastructure is in place along these rivers to protect various areas of the community from flooding. The City is the Diking Authority for approximately 21 km of dikes within Kamloops, (15 designated structures within the provincial database), and completes ongoing inspections and maintenance as part of this responsibility. Through these inspections, the City has prioritized 4 critical sections for immediate assessment based on the current condition, and potential risk to nearby properties and infrastructure, which include the City's water treatment facility and water and sewer infrastructure, as well as parks, schools, and homes. For the project, the City proposes to assess the flood risk at each location, assess the dike condition, and prepare a future plan by completing analysis and mitigation planning work for a total of approximately 1.9 km of dike.

- **Sewage Treatment Centre Dike Repair** (completed)

- Provincial contributions: \$154,270.00 Project total: \$154,270.00
- The chosen strategy was to fill the bypass pipe and associated chambers with cementitious material or an approved alternate. This would require a Dike Maintenance Act approval and associated design. The project would then be competitively bid in accordance with the City's purchasing policies and applicable legislation.

- **Riverside Park Erosion Protection** (in progress)

- Provincial contributions: \$750,000.00 Project total: \$1,500,000.00
- Riverside Park, located along the South Thompson River, has a history of freshet flooding that results in significant bank erosion and threatens critical sanitary infrastructure. To protect infrastructure, the City installs temporary flood mitigation measures supplied by EMBC that come at a substantial cost and impact to the Park. 2020 Structural Flood Mitigation – Application Form- Updated Sept 17, 2020 2 Completing erosion protection and raising the elevation of the Rivers Trail through the Park is the City's highest priority flood mitigation project. Raising the finished grade of the Rivers Trail will reduce the risk of flooding during high river levels, improve safety, and reduce costs. The project includes erosion protection for the base of the pier plaza structure and the bank to the east, including riprap bank protection and riparian area restoration

Thank you,

Amanda Broad  
A/Director, Disaster Mitigation

---

**From:** Fraser, Agnes EMBC:EX <[Agnes.Fraser@gov.bc.ca](mailto:Agnes.Fraser@gov.bc.ca)>

**Sent:** November 15, 2021 10:48 AM

**To:** Forge, Kathryn EMBC:EX <[Kathryn.Forge@gov.bc.ca](mailto:Kathryn.Forge@gov.bc.ca)>

**Cc:** Chandler, Alex EMBC:EX <[Alex.Chandler@gov.bc.ca](mailto:Alex.Chandler@gov.bc.ca)>; Broad, Amanda EMBC:EX <[Amanda.Broad@gov.bc.ca](mailto:Amanda.Broad@gov.bc.ca)>; Kellam, Wendy EMBC:EX <[Wendy.Kellam@gov.bc.ca](mailto:Wendy.Kellam@gov.bc.ca)>; Richards, Tara R EMBC:EX <[Tara.Richards@gov.bc.ca](mailto:Tara.Richards@gov.bc.ca)>; Stonnell, Jennifer EMBC:EX <[Jennifer.Stonnell@gov.bc.ca](mailto:Jennifer.Stonnell@gov.bc.ca)>; Brown, Tom G EMBC:EX <[Tom.Brown@gov.bc.ca](mailto:Tom.Brown@gov.bc.ca)>

**Subject:** FW: RUSH Request - Flood Mitigation funding for Merritt and Kamloops

**Importance:** High

Hi Kathryn,  
Urgent request for bullets as noted below.  
Due by 12:00pm

Thank you  
Agnes

---

**From:** Douglas, Andrew PSSG:EX <[Andrew.Douglas@gov.bc.ca](mailto:Andrew.Douglas@gov.bc.ca)>

**Sent:** November 15, 2021 10:46 AM

**To:** Fraser, Agnes EMBC:EX <[Agnes.Fraser@gov.bc.ca](mailto:Agnes.Fraser@gov.bc.ca)>; Stonnell, Jennifer EMBC:EX <[Jennifer.Stonnell@gov.bc.ca](mailto:Jennifer.Stonnell@gov.bc.ca)>

**Cc:** Richards, Tara R EMBC:EX <[Tara.Richards@gov.bc.ca](mailto:Tara.Richards@gov.bc.ca)>

**Subject:** RUSH Request - Flood Mitigation funding for Merritt and Kamloops

Hi team,

Need this one before QP but MMF is asking for a big list of Flood mitigation funding projects specifically for the City of Merritt and the City of Kamloops. Can we pull that together please?

Thanks,

Andrew Douglas  
Ministerial Advisor to Hon. Mike Farnworth  
Minister of Public Safety and Solicitor General  
Office of the Deputy Premier and Government House Leader  
s.17

## Update # 11 - Flooding - Atmospheric River Event - Multiple Regions

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From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Austin, Matt FLNR:EX <Matt.Austin@gov.bc.ca>, Bain, Nancy TIC:EX <Nancy.Bain@ticorp.ca>, Baskerville, Shannon AEST:EX <Shannon.Baskerville@gov.bc.ca>, BCCourts <Heidi.McBride@BCCourts.ca>, BCP Ministry Advisors <BCPMinistryAdvisors@Victoria1.gov.bc.ca>, Bond, Allison MCF:EX <Allison.Bond@gov.bc.ca>, Bouchard, Louise PSSG:EX <Louise.Bouchard@gov.bc.ca>, Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>, Brouwer, Shauna CITZ:EX <Shauna.Brouwer@gov.bc.ca>, Brown, Stephen R HLTH:EX <Stephen.Brown@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>, Butler, Jason AEST:EX <Jason.Butler@gov.bc.ca>, Can Forces <ESQBWCOP@forces.gc.ca>, Carrelli, John I CITZ:EX <John.Carrelli@gov.bc.ca>, Caul, Doug D IRR:EX <Doug.Caul@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Chiddell, Dan J AG:EX <Dan.Chiddell@gov.bc.ca>, CITZ Corporate Planning CITZ:EX <CorpPlan@gov.bc.ca>, Clark, Curtis C AG:EX <Curtis.Clark@gov.bc.ca>, Dobmeier, Teresa MCF:EX <Teresa.Dobmeier@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>, ES Moc Director MUNI:EX <ESMOC.DIRECTOR@gov.bc.ca>, Farnworth, Mike PSSG:EX <Mike.Farnworth@gov.bc.ca>, Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>, Field, Travis <travis.field@forces.gc.ca>, Filmer, Cam A IRR:EX <Cam.Filmer@gov.bc.ca>, Finn, Heather GCPE:EX <Heather.Finn@gov.bc.ca>, FLNR BCWS Wildfire Leadership Team <BCWS\_WLT@Victoria1.gov.bc.ca>, Franklin, Janice IRR:EX <Janice.Franklin@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Fraser, Sarah W FLNR:EX <Sarah.Fraser@gov.bc.ca>, Fyfe, Richard J AG:EX <Richard.Fyfe@gov.bc.ca>, Galbraith, David J SDPR:EX <David.Galbraith@gov.bc.ca>, Galt, Jamie HLTH:EX <Jamie.Galt@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Grant, Nick TACS:EX <Nick.Grant@gov.bc.ca>, Halls, Lori D FLNR:EX <Lori.D.Halls@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Hughes, Trevor LBR:EX <Trevor.Hughes@gov.bc.ca>, Hykaway, Mike R FLNR:EX <Mike.Hykaway@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Kennah, Morgan FLNR:EX <Morgan.Kennah@gov.bc.ca>, Kot, Jill PREM:EX <Jill.Kot@gov.bc.ca>, Kristianson, Eric PREM:EX <Eric.Kristianson@gov.bc.ca>, XT:Van Leeuwen, Lauren JAG:IN <lvanleeuwen@provincialcourt.bc.ca>, Liesch, Nancy FLNR:EX <Nancy.Liesch@gov.bc.ca>, Luchkow, Ray FLNR:EX <Ray.Luchkow@gov.bc.ca>, MacDonald, Scott D EDUC:EX <D.Scott.MacDonald@gov.bc.ca>, Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>, McAndrews, Caroline GCPE:EX <Caroline.McAndrews@gov.bc.ca>, Mclean, Keegan CITZ:EX <Keegan.McLean@gov.bc.ca>, LDB Safety Advisor LDB:EX <safety.advisor@bcladb.com>, Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>, Miska, Ed TRAN:EX <Ed.Miska@gov.bc.ca>, Mounteney, Renee FIN:EX <Renee.Mounteney@gov.bc.ca>, Nash, Laurel ENV:EX <Laurel.Nash@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Olsson, Liz V FLNR:EX <Liz.Olsson@gov.bc.ca>, Patterson, Sarah MCF:EX <Sarah.Patterson@gov.bc.ca>, Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>, Plecas, Bobbi JERI:EX <Bobbi.Plecas@gov.bc.ca>, Poss, Angie FLNR:EX <Angie.Poss@gov.bc.ca>, Prendergast, Peter L TRAN:EX <Peter.Prendergast@gov.bc.ca>, HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Rasmussen, Paul FLNR:EX <Paul.Rasmussen@gov.bc.ca>, Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Richter, Kevin J TRAN:EX <Kevin.Richter@gov.bc.ca>, Robb, Katie TRAN:EX <Katie.Robb@gov.bc.ca>, Rothe, Karen J EMBC:EX <Karen.Rothe@gov.bc.ca>, Russell, Jonathan CITZ:EX <Jonathan.Russell@gov.bc.ca>, XT:Mahar, Ryan AG:IN <rmahar@provincialcourt.bc.ca>, Sanderson, Melanie EDUC:EX <Melanie.Sanderson@gov.bc.ca>, Sedun, Jeanne AEST:EX <Jeanne.Sedun@gov.bc.ca>, Sieben, Mark PSSG:EX <Mark.Sieben@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Strain, Melissa AG:EX <Melissa.Strain@gov.bc.ca>, Sutherland, Craig FLNR:EX <Craig.Sutherland@gov.bc.ca>, Tanaka, Sandra AEST:EX <Sandra.Tanaka@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Walker, Jennifer IRR:EX <Jennifer.7.Walker@gov.bc.ca>, Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>, Williams, Susan GCPE:EX <Susan.Williams@gov.bc.ca>,

Sent: Yuma Morisho, Okenge MUNI:EX <Okenge.YumaMorisho@gov.bc.ca>  
November 15, 2021 12:19:17 PM PST  
Attachments: image002.png, image004.png, image006.png, image005.png, image003.png, image001.png  
**Update # 11**

**15 November, 2021 – 1215hrs**

**Central Region**

- An evacuation order has been issued for the entire City of Merritt.
- Buses are being used to provide transportation for persons without personal means of transit.
- Where possible persons are being encouraged to stay with family and friends. For residents where this is not an option they are being directed to Kelowna and Kamloops.
- Residents of Merritt with odd number addresses are being directed to the Kamloops ESS Reception Centre, located at McArthur Island (1655 Island Parkway).
- Residents of Merritt with even number addresses are being directed to the Kelowna ESS Reception Centre is located at 1800 Parkinson Way.

**SW Region**

- The JRCC is currently supporting response for persons stranded on Highway 7 due to landslides.
- 3 Cormorants are working to assist RCMP, BCEHS, Aggasiz Fire and Canada Task Force One to evacuate stranded motorists into Aggasiz.

**VIR Region**

- An evacuation order has been issued for the Halalt First Nations community due to flooding and an ruptured water main.

The Provincial Emergency Coordination Centre has been stood up to support response.

Further updates will be provided as information becomes available.

**Colin Mathie** | Provincial Duty Manager  
Emergency Management BC  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872  
24 Hour Emergency: 1-800-663-3456

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**Update # 10**

**City of Merritt – Central Region**

- The water treatment plant is considered unsafe for personnel and will be locked up and un-occupied.
- As a result, there will be potentially no clean water or sewage treatment with the likelihood of evacuating the entire City of 7800 people.

Further updates will be provided as information becomes available on this developing event.

**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 9**

##### **City of Merritt – Central Region**

- The City is at risk of losing their water treatment plant which would compromise the entire city utility infrastructure.
  - Public works have been reassigned from other areas to focus on saving the plant.
- Swift water team was required to assist in evacuating one homeowner due to high, rushing water.
- This event will require ESS supports - intending to send some evacuees to Kamloops.

**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 8**

**15 November, 2021 – 5:24 hrs**

##### **City of Merritt – Central Region**

- Declared a SOLE due to flooding.
- Evacuation Order issued for properties South of Coldwater Avenue and East of Voght Street:

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**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 7**

**15 November, 2021 – 3:03 hrs**

##### **Central Region**

- A SOLE was declared for the Town of Princeton.

**Mitchell Lee** | Provincial Duty Manager

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##### **Central Region**

**15 November, 2021 – 2:41 hrs**



### **Regional District of Okanagan-Similkameen**

- Village of Coalmont intends to issue an Alert.
- The fire department from Coalmont is in Tulameen assisting with efforts.

### **Town of Princeton**

- 3 Evacuation Orders issued for low-lying properties along the Tulameen River.
- Dike has breached. Estimated water level is 18 inches above dike.
- Downtown core is flooded, as well, as areas north and west of the community.
- Group lodging/comfort centres are being set up at Riverside Community Hall. Schools may be used, if out of room.
- SAR has been requested to assist with evacuations- swift water capability only.
- Boil water notice in effect.

### **City of Merritt**

- Dike has breached while rain is still falling and water levels rising.
- Evacuating 800 to 900 residences.
- Group lodging/warming centres are being set up. Churches may be used, if out of room.

### **Southwest Region**

#### **Motor Vehicle Accident – Lougheed Highway (Ruby Creek, near Agassiz)**

- According to news media: 6-10 people trapped within vehicles due to mudslide.
- HUSAR TF#1 expected to be fully on site around 01:45 am.
- News link: <https://www.cbc.ca/news/canada/british-columbia/agassiz-bc-mudslides-highway-closure-1.6248999>

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 5**

**15 November, 2021 – 2:14 hrs**

### **Central Region**

#### **City of Merritt**

- An Evacuation Order issued for all properties within the Coldwater River 200-year flood plain. An Alert was previously issued for the same area.

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 4**

**15 November, 2021 – 1:36 hrs**

### **Southwest Region**

#### **Fraser Valley Regional District**

- An Evacuation Order issued for 53730 Bridal Falls Road (Camperland RV Resort & Cabins).
- An Evacuation Order issued for 4 properties on Auchenway Road in EA "E".

#### **District of Kent**

- SOLE declared due to flooding.
- An Evacuation Alert for residents south of 6500 block of Rockwell Drive.

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 3**

**15 November, 2021 – 0:58 hrs**

## **Southwest Region**

### **Fraser Valley Regional District**

- SOLE declared due to flooding and mudslides.

### **City of Abbotsford**

- An Evacuation Alert issued for Clayburn Area: Clayburn Village and surrounding area.
- An Evacuation Alert issued for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place.
- An Evacuation Alert issued for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road.
- An Evacuation Alert issued for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road.
- An Evacuation Alert issued for Straiton Areas: Dawson Road East of Sumas Mountain Road.

### **DGIR 213178 - Train Derailment (2 Cars) - Mile 80 Yale - SWE**

- Derailment likely due to rain.
- No dangerous goods. Dry materials.
- No injuries or waterways impacted.
- Assessing situation.

## **Central Region**

### **City of Merritt**

- An Evacuation Alert issued for all properties within the Coldwater River 200-year flood plain. An Evacuation Order is expected to be issued later.

### **Regional District of Okanagan-Similkameen**

- An Evacuation Order issued for 34 addresses in EA "H" due to flooding.

### **Highway Closures**

- Highway 1 (Agassiz – Spences Bridge).
- Highway 3 (Sunshine Valley).
- Highway 5 (Hope – Merritt).
- Highway 7 (Maple Ridge – Hope).
- Highway 11 (US border – Vye Road, Abbotsford) .

Further updates will be provided as information becomes available.

**Mitchell Lee** | Provincial Duty Manager

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## **Update # 2**

**14 November, 2021 – 22:25 hrs**

## **Southwest Region**

- SWE PREOC is activated.
- Abbotsford, Pitt Meadows, District of Kent and City of Langley have activated their EOCs.
- **Landslide** – District of Kent. EPC will investigate tomorrow.
- **Landslide** – Abbotsford (Quadling Road). EPC will investigate tomorrow. No impacts to report at this time.
- **Rockslide** - Highway 1 (south of Spuzzum, north of Yale). No impacts to report at this time.
- **Mudslide** – Abbotsford (Glencoe Place). 1 residence on Evacuation Alert.
- **Mudslides** – Abbotsford (Eagle Mountain/Cranberry Court). Potential of Evacuation Order and SOLE being declared.
- **Mudslide** - Highway 1 (Hope to Chilliwack) closed in both directions between Annis Rd and K St for 38.4 km.
  - Road will remain closed pending geotechnical study.
- **Flooding** - Highway 11 (Abbotsford) is closed from 4<sup>th</sup> Avenue to the Sumas Border.
- **Tactical Evacuation** - 200 residents were tactically evacuated by Popkum Fire Department in Bridal Falls area.
- **Motor Vehicle Accident** – Loughheed Highway (Ruby Creek, near Agassiz).
  - Initial report of a semi-truck and two cars going over an embankment due to mudslide.

- Agassiz Fire Department and Hope SAR assisting. HUSAR TF#1 called out.

### **Central Region**

- **Evacuation** - Initial report of 24 properties evacuated in Tulameen.
  - Dike built by FLNRO has potential to burst under current conditions.
- Potential of an Evacuation Order/Alert being issued in Princeton.
- Both Princeton and Tulameen activated their EOCs.

Further updates will be provided as information becomes available.

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 1**

**14 November, 2021 – 20:00 hrs**

- An additional 13 people were evacuated due to flooding in the Clayburn Lane area.
- The City of Langley has issued an evacuation order to a family of two, due to a landslide affecting their home.
- The City of Fernie, the Fraser Valley Regional District, and the Regional District of Okanagan-Similkameen activated their Emergency Operations Centres to monitor flooding and assist homeowners.
- Emergency Support Services continues to respond to support evacuees.
- Multiple roads around the Lower Mainland are experiencing closures and washouts. City/MOTI crews are responding as required.
- BC Hydro reports a large outage in Hope, Spuzzum, Yale, and surrounding areas caused by the weather event. The estimated time of power restoration is unknown at this time.

Further updates will be provided as information becomes available.

**Paul Brandson** | Provincial Duty Manager

### **Initial Report**

**14 November, 2021 17:00 hrs**

Heavy rainfall in the southwest has resulted in mudslides closing both the Trans-Canada and Coquihalla Highway near Hope.

Highway 11 is closed near the Sumas border due to flooding.

Flooding in Abbotsford has displaced people from 12 homes in the Clayburn Lane area. Emergency Support Services is responding to provide assistance.

Chilliwack, Hope, and Abbotsford have activated their Emergency Operations Centres to monitor flooding and provide assistance as necessary.

Further updates will be provided as information becomes available.

**Media:**

<https://www.castanet.net/news/BC/351544/Rock-slide-closes-Highway-1-through-Fraser-Canyon-Sunday>

<https://bc.ctvnews.ca/flood-watches-issued-in-fraser-valley-fraser-canyon-amid-heavy-rain-melting-snow-1.5665962>

<https://www.cbc.ca/news/canada/british-columbia/coquihalla-closure-rainstorm-1.6248785>

**Paul Brandson** | Provincial Duty Manager

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Withheld pursuant to/removed as

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## Fwd: REQUEST: Weather Update

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From: Richards, Tara R EMBC:EX  
To: Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>  
Sent: November 15, 2021 2:22:19 PM PST

Latest weather update. EMBC summarizes ECC weather status in our daily 7 am emails. If you aren't on that distribution we can get that for you.

Sent from my iPhone

Begin forwarded message:

**From:** "Maley, Madeline L EMBC:EX" <Madeline.Maley@gov.bc.ca>  
**Date:** November 15, 2021 at 2:01:34 PM PST  
**To:** "Richards, Tara R EMBC:EX" <Tara.Richards@gov.bc.ca>  
**Subject: REQUEST: Weather Update**

ECCC weather update:

- A massive atmospheric river has been bringing heavy rain and to southern BC for nearly 48hours
  - In some places, the average monthly amount of November rain has fallen in 24-36hours
  - Hope had its all time 24hour rainiest day on record with 174mm yesterday alone
- The rain event will end today but bring gusty winds this afternoon and/or this evening for the
  - South Coast
  - SW interior
  - South Coast
  - Interior
  - NW and W, 50 gusting 70km/h
  - Interior: South 50 gusting 70 km/h shifting to NW 50 g 70 this evening
- Plummeting freezing levels may lead to local ice and snow on roads as temperature drop to freezing in valley bottoms over the next two days
  - Winter storm/snowfall warnings are in effect for
    - Interior mountain passes (Roger's and Kicking Horse Passes)
    - Kinbasket and Yellowhead Hwy near Tete Jaune Cache to AB border
    - The Coquihalla as rain changes to snow tonight
  - There are rainfall warnings for
    - Fraser Canyon
    - West Columbia
    - Arrow Slocan
    - Kootenay Lake
    - Elk Valley
- Overview of warnings and Special Weather Statements in effect can be found here:  
[https://weather.gc.ca/warnings/index\\_e.html?prov=bc](https://weather.gc.ca/warnings/index_e.html?prov=bc)

Madeline L. Maley (she/her)  
Assistant Deputy Minister Regional Operations  
Emergency Management BC  
Phone: 250 704-3046 | Cell: 250 318-8441  
**24 Hour Emergency Reporting: 1-800-663-3456**  
Follow EMBC at @EmergencyInfoBC and @PreparedBC  
Follow the OFC at @BC\_FireSafety and @BCFireSafety

*With gratitude, acknowledging I am working on the traditional territory of Tk'emlups Te Secwepemc people*

## Notice of New DFA event

---

From: Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>  
To: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
Cc: Carey, Rachelle EMBC:EX <Rachelle.Carey@gov.bc.ca>, EMBC ALL STAFF  
<PSSGEMBCALLEMSTAFF@Victoria1.gov.bc.ca>, Turner, Jordan EMBC:EX  
<Jordan.Turner@gov.bc.ca>  
Sent: November 15, 2021 2:46:40 PM PST  
Good afternoon,

I am writing to inform you that EMBC has approved Disaster Financial Assistance (DFA) for flooding in the following areas as a result of the severe weather events this week:

- Vancouver Island, Southwest and Central areas of the province including all first nation communities, electoral areas and municipalities within the geographic boundaries of these areas.

Initial damage estimates are unknown, as more information becomes available updates will be provided. In addition, the geographic area for this event may be updated as additional information regarding impacts becomes known.

Specifics about this event and general information about DFA can be found on our website at:  
<http://www.gov.bc.ca/disasterfinancialassistance>

Please call Rachelle Carey, Manager Recovery Funding Programs, if you have questions or need additional information (phone 778-587-0485; e-mail: [Rachelle.carey@gov.bc.ca](mailto:Rachelle.carey@gov.bc.ca) ).

**Dave Peterson (he/him)**

Assistant Deputy Minister - Recovery and Funding Projects  
Emergency Management BC  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC V8M 2A5  
Phone: 250-387-0019 *EMBC: Disaster Recovery*

*Every Child Matters*

*Honouring and Respecting the legacies of the missing*



## PECC Situation Report (INITIAL) November 15, 2021

---

From: EMBC PECC Operations 1 EMBC:EX <pecc.ops1@gov.bc.ca>  
To: Undisclosed recipients:  
Sent: November 15, 2021 11:10:07 PM PST  
Attachments: 21\_PECC SitRep\_Nov 15\_2021\_#1\_FINAL.pdf

Please find attached, the situation report for the Provincial Emergency Coordination Centre for November 15, 2021.

Sonia Woolford  
**Operations Section Deputy Chief**  
**Provincial Emergency Coordination Centre (PECC)**

Emergency Management BC  
PO Box 9201 Stn Prov Gov  
Victoria, B.C. CANADA V8W 9J1

Ph: 778-698-8626 Fax: 250-952-4804

24 Hour Emergency Reporting 1-800-663-3456  
*Follow us on Twitter [@EmergencyInfoBC](#) and [@PreparedBC](#)*



**PECC ACTIVATION DAY NO. 1**

**NOVEMBER 15, 2021**

**Hazard(s): Atmospheric River Storm**

**Operational Period: November 15, 2021, 08:30 hrs to Closing**

**Next Sitrep will be issued: November 16, 2021**

**Primary PECC E-mail: [pecc.ops1@gov.bc.ca](mailto:pecc.ops1@gov.bc.ca)**

**Primary PECC Phone: 778-698-8617**

**Information current as of Nov 15, 2021 at 17:00h**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for external dissemination. If you wish to use information contained herein for release, you must clear it with the PECC Director.

**PROVINCIAL SITUATION**

The EMBC Provincial Emergency Coordination Centre (PECC) is activated in support of three Provincial Regional Emergency Operations Centres (PREOCs) and a widespread atmospheric river storm event that has resulted in multiple flooding, landslide, mudslide, power outage and other incidents and human consequence impacts across the BC southern coastal and interior regions.

The storm has damaged, blocked, and impacted multiple roadways, causing widespread road closures and stranding hundreds of motorists overnight on Nov. 14, 2021. Rescue efforts have continued throughout Nov. 15, 2021, and reports indicated all stranded motorists have now been able to seek shelter and appropriate supports in nearby communities.

First Nations and Local Authority communities have seen widespread flooding and power outages which have led to roadway closures, infrastructure impacts, evacuation orders and evacuation alerts. The situation is dynamic and full, accurate situational awareness remains challenging, but current estimates suggest that provincially there are over 524 properties on Evacuation Order, 315 properties on Evacuation Alert and then an additional 7,800 people on Evacuation Order in the Town of Merritt because of the storm.

As a result of the severe weather events this week, EMBC has approved Disaster Financial Assistance (DFA) for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the province, including all First Nations communities, electoral areas, and municipalities within these areas.

**WEATHER OUTLOOK AND ALERTS**

A significant atmospheric river has made landfall across southern coastal regions of British Columbia. Observed rainfall amounts since yesterday have been in the 50-185 mm range across the Coquihalla, upper Coldwater and Tulameen River watersheds. Temperatures have been rising, with temperatures in the 5-7°C range being observed at automated snow weather stations across the region. Snowmelt is being observed at mid-elevations and is adding additional runoff to rivers. Rivers have risen rapidly, with

further rain in the forecast through today, Monday, November 15th (turning to snow at higher elevations).

While the weather picture calmed somewhat over the day, weather warnings continue for much of the southeastern part of the province tonight, including both rainfall and snow warnings. More information available on current warnings available from [Environment Canada](#).

## **RIVER FORECAST CENTRE (RFC) WATCHES AND WARNINGS**

### **EMBC Central Region**

RFC is upgrading or maintaining a Flood Warning for:

- Lower Nicola River
- Similkameen River
- Tulameen River and tributaries
- Coldwater River

### **EMBC Southwest Region**

RFC is upgrading or maintaining a Flood Warning for:

- Coquihalla River
- Sumas River and areas around the US Border

RFC is upgrading to or maintaining a Flood Watch for:

- Sea-to-Sky
- Howe Sound
- North Shore Mountains Fraser Valley including surrounding tributaries
- Fraser Canyon tributaries, including tributaries around Hope
- Chilliwack River

RFC is maintaining a High Streamflow Advisory for:

- Sunshine Coast
- Metro Vancouver

### **EMBC Vancouver Island & Central Coast Region**

RFC is upgrading or maintaining a Flood Warning for:

- Englishman River (NEW)
- Cowichan River
- Koksilah River

## **HUMAN CONSEQUENCE IMPACTS**

### **EMERGENCY SUPPORT SERVICES (ESS)**

Due to the widespread and dynamic nature of the extreme atmospheric river event, exact reporting of ESS activity across all regions and communities remains challenging, and the information below will likely be amended as greater reporting accuracy is achieved.

The total number of active ESS Reception Centres is reported to be approximately 20 (many of these communities are providing mutual aid as host communities)

Communities hosting Reception Centres include:

- Kamloops
- Kelowna

- Abbotsford
- Chilliwack
- Hope
- Agassiz
- Regional District Okanagan Similkameen/Penticton
- Salmon Arm

#### Additional Information

- The Provincial ESS Call Centre is receiving high call volume and has extended their hours until 18:00h tonight
- Availability of commercial accommodation in Kamloops is low and the city is experiencing up to 5-hour wait times at their Reception Centre to provide supports.
- Kelowna has accommodation capacity for additional evacuees.

### FLOOD IMPACTS

#### INFRASTRUCTURE & TRANSPORTATION

- Highway Closures:
  - Highway 1 (Agassiz – Spences Bridge)
  - Highway 3 (Sunshine Valley)
  - Highway 5 (Hope – Merritt)
  - Highway 7 (Maple Ridge – Hope)
  - Highway 11 (US border – Vye Road, Abbotsford)
- Stranded Motorists Incident – Highway 7 near Agassiz - SWE
  - Two vehicles and a semi-truck went over an embankment due to mudslide.
  - Approximately 80 vehicles were stranded overnight on the roadway.
  - Agassiz Fire Department, Hope SAR and HUSAR Taskforce #1 responded to assist people trapped in their vehicles
  - The Joint Rescue Coordination Centre (JRCC) supported the response with 3 Canadian Armed Forces (CAF) Cormorant helicopters
  - Reports suggest over 270 people were rescued from site and up to 5 patients were transferred to hospital
- Stranded Motorists Incident - Hwy 99 near Lillooet - SWE
  - At least 3 slides were identified in the 30km area south of Lillooet
  - 42 vehicles and 65 people were stranded at the location
  - Ground Search and Rescue teams assisted the response
  - Reports indicate all motorists were rescued
  - Information was limited due to a lack of cell coverage in the area
- Stranded Motorists Incident – Hwy 1 near Haig - SWE
  - Approximately 200 vehicles were stranded on Hwy 1 by landslides in the Haig area
  - Rescue efforts were slowed by the need to de-energize nearby powerlines
  - After de-energization had occurred, an egress path to Hope was cleared
  - As of the evening of Nov. 15, 2021, all motorists are reported to have arrived in Hope
  - Further emergency supports are being planned for the Hope community and travellers stranded there for Nov. 16, 2021
- Train Derailment (2 Cars) - Mile 80 Yale – DGIR Code 1 - SWE
  - Cause unknown, but suspected to be due to rain
  - No dangerous goods; dry materials only
  - No reports of injuries or waterways impacted

- Reports are being investigated of further mud and landslides events impacting District of Kent, Highway 1, and Abbotsford
- There have been multiple additional road closures throughout the day in the SWE, CTL and VIC regions, with impacts continuing in numerous locations across all 3 regions.
- For a complete list of highway and road closures, including ferry disruptions due to flooding, see [DriveBC](#).

## UTILITIES/ TELECOMMUNICATIONS

- Fortis BC:
  - Sunshine Coast at Roberts Creek distribution line and intermediate pressure line exposed in creek. Hydro line de-energized and FD on scene.
  - Halfmoon Bay distribution pressure line is exposed
  - A main distribution line at Princeton is impacted with up to 1200 customers possibly affected
  - Distribution line at Merritt is impacted but the full extent cannot be confirmed due to current high-water levels
  - Fraser Valley distribution line service in a farmer's field near Seabird Island is leaking and being isolated
- Telecommunications:
  - Bell cellular voice/data outages in the Fraser Valley and Northern Vancouver

## CROSS-MINISTRY AND AGENCY UPDATES

### HEALTH

- Due to the sewage and water shutdowns in Merritt, Interior Health is planning the evacuation of the Merritt hospital, as well as several other health facilities in the area, including Long-Term-Care and Assisted Living sites.
- Power outages and road closures are impacting staffing and critical supply lines to health facilities and Long-Term Care and Assisted Living sites, particularly in the Hope area.
- Some vaccine clinics in VCH/PHC have been canceled due to weather conditions and travel issues.
- Planning underway to prepare for the impacts of expected wind and power outages in the Island and south-coast areas overnight.

## PROVINCIAL REGIONAL UPDATES

### CENTRAL REGION (CTL)

**CTL PREOC** has activated in response to flooding.

Due to the widespread and dynamic nature of the extreme atmospheric river event, exact reporting of community impacts remains challenging, and the information below will likely be amended as greater reporting accuracy is achieved.

#### **FIRST NATIONS**

- Coldwater First Nation
  - Band Council Resolution Declared
  - Evacuation Order Issued: 3 Properties
- Shakan First Nation

- Band Council Resolution Declared
  - Evacuation Order Issued: Approximately 70 people
  - Evacuation Alert Issued
- Nooaitch First Nation
  - Band Council Resolution Declared
  - Evacuation Order Issued: Approximately 100 people

#### **LOCAL AUTHORITIES**

- City of Merritt
  - State of Local Emergency Declared
  - Evacuation Order Issued: Entire Community (Approx. 7800 people)
  - Due to failure of sewage treatment plant (unsanitary conditions)
  - Significant ESS supports being provided in Kamloops & Kelowna
  -
- Columbia Shuswap Regional District
  - State of Local Emergency Declared
- Regional District Okanagan-Similkameen
  - EOC Activated
  - State of Local Emergency Declared
  - Evacuation Order Issued: 24 Properties
- Thompson Nicola Regional District
  - Evacuation Alerts Declared
    - Electoral Area “I” (Blue Sky Country)
    - Electoral Area “M” (Beautiful Nicola Valley – North)
    - Electoral Area “N” (Beautiful Nicola Valley – South)
- Tulameen
  - EOC Activated
- Town of Princeton
  - EOC Activated
  - State of Local Emergency Declared
  - Evacuation Order Issued: Properties along the Tulameen River
  - Evacuation Alert Issued: Properties along the Similkameen & Tulameen Rivers
- Salmon Arm District
  - EOC Activated

#### **ESS Reception Centres:**

- Regional District Central Okanagan: Kelowna – Parkinson Activity Centre
- City of Kamloops: McArthur Island Sport and Event Centre
- Regional District Okanagan Similkameen: Penticton - Bus Barn

### **SOUTHWEST REGION (SWE)**

#### **SWE PREOC activated in response to flooding**

Due to the widespread and dynamic nature of the extreme atmospheric river event, exact reporting of community impacts remains challenging, and the information below will likely be amended as greater reporting accuracy is achieved.

#### **FIRST NATIONS**

- Chawathil First Nation
- Kwikwetlem First Nation
  - Put on flood alert from BC Hydro Dams.
- Leq'á:mel First Nation
- Matsqui First Nation
  - Band Council Resolution Declared
- Peters First Nation
- Skawahlook First Nation

#### **LOCAL AUTHORITIES**

- City of Abbotsford
  - State of Local Emergency Declared
  - 3 Evacuation Orders Issued
  - 7 Evacuation Alerts Issued
- Bowen Island
- Burnaby
- City of Chilliwack
- Fraser Valley Regional District
  - State of Local Emergency Declared
  - 4 Evacuation Orders Issued
  - 3 Evacuation Alerts Issued
- Town of Hope
  - Access from all Highways (1,3,5) cut off
  - Significant power outages for much of the day (w/hospital on generator)
  - Many motorists stranded in community
  - Report of restoration of power late day
- District of Kent
  - State of Local Emergency Declared
- City of Langley
- Mission
- New Westminster
- Pemberton
- Pitt Meadows
- Port Coquitlam
- Richmond
- Squamish Lillooet Regional District
- Squamish District
- Sunshine Coast Regional District

#### **ESS Reception Centres:**

- Abbotsford: Abbotsford Recreation Centre
- Agassiz: Agassiz Agricultural Hall
- Chilliwack: Chilliwack Secondary School
- Hope: Grace Baptist Church and Hope Secondary School

### **VANCOUVER ISLAND AND CENTRAL COAST REGION (VIC)**

**VIC PREOC** activated in response to flooding

## **FIRST NATIONS**

- Halalt First Nation:
  - 150 evacuees
  - Band Council Resolution Declared
  - Evacuation Order Issued
- Snuneymuxw First Nation:
  - Band Council Resolution Declared
  - Evacuation Order Issued
  - 25 evacuees (approximate)
- Penelakut First Nation:
  - Evacuation Order Issued
  - 50 evacuees (approximate)
- Cowichan Tribes:
  - Evacuation Order Issued
  - 120 evacuees (approximate)
- Pauquachin First Nation
  - Evacuation Order Issued

## **LOCAL AUTHORITIES**

- Cowichan Valley Regional District:
  - State of Local Emergency Declared (applying to Cowichan Tribes, Halalt First Nation, Penelakut Tribe, Cowichan Valley Regional District, Municipality of North Cowichan and City of Duncan)
  - Evacuation Order Issued (City of Duncan)
  - 2 ESS reception centres open
  - SOLE in place
- Nanaimo Regional District:
  - 3 States of Local Emergency in place
    - Parts of Electoral Area A
    - Parts of Electoral Area G: Pathfinder Resort
    - Parts of Electoral Area G: Cedar Grove Campsite
  - 3 Evacuation Orders Issued
    - Englishman River
    - Nanaimo River
    - Little Qualicum
- Capital Regional District
  - EOC Activated
- District of Sooke
  - EOC Activated
- District of Highlands
  - EOC Activated
- City of Langford
  - EOC Activated
  - Evacuation Alert Issued



- 20+ properties on alert
- Central Saanich
  - EOC activated

**ESS Reception Centres:**

- Cowichan Valley Regional District (2 Reception Centres)
- Nanaimo ESS taking on a tele-registration support role for Halalt FN
- Oceanside EMO ESS is going to support first 72 hrs in Parksville

**Key Internet Links:**

**Avalanche Canada Weather Forecast** [Drying out at last \(avalanche.ca\)](http://avalanche.ca)

**Emergency Info BC**

<https://www.emergencyinfobc.gov.bc.ca>

**BC Hydro Outage Map** <https://www.bchydro.com/power-outages/app/outage-map.html>

**BC River Forecast Centre**

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/drought-flooding-dikes-dams/river-forecast-centre>

**Drive BC**

<https://www.drivebc.ca/mobile/events/index.html>

**Information about Disaster Financial Assistance is available on the DFA web site at**

<http://www.gov.bc.ca/disasterfinancialassistance>

**Environment Canada** [British Columbia - Weather Conditions and Forecast by Locations - Environment Canada](#)

**APPROVED BY:**

Brendan Ralfs  
PECC Director

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## Update # 12 - Flooding - Atmospheric River Event - Multiple Regions

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Cc: Bland, Craig W EMBC:EX <Craig.Bland@gov.bc.ca>, Cunnings, Ian EMBC:EX <Ian.Cunnings@gov.bc.ca>  
Sent: November 16, 2021 5:01:18 AM PST  
Attachments: image002.png, image004.png, image005.png, image003.png, image001.png  
**Update # 12**

**16 November, 2021 – 05:00hrs**

The City of Abbotsford has issued an Evacuation Order for an area formerly under Alert in East Abbotsford (Sumas Prairie).

- The dike system has begun to overflow.
- The Order will affect a few thousand people, however the exact number is unknown at this time.
- Due to the closure of Highway 1 between Hwy 11 and No. 3 Rd, evacuees will likely have to evacuate towards Chilliwack.
- Chilliwack and Central Fraser Valley Search and Rescue have been activated to assist with evacuations.

Further updates will be provided as information becomes available.

**Ryan Hetschko** | Provincial Duty Manager  
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## **Update # 11**

**15 November, 2021 – 1215hrs**

### **Central Region**

- An evacuation order has been issued for the entire City of Merritt.
- Buses are being used to provide transportation for persons without personal means of transit.
- Where possible persons are being encouraged to stay with family and friends. For residents where this is not an option they are being directed to Kelowna and Kamloops.
- Residents of Merritt with odd number addresses are being directed to the Kamloops ESS Reception Centre, located at McArthur Island (1655 Island Parkway).
- Residents of Merritt with even number addresses are being directed to the Kelowna ESS Reception Centre is located at 1800 Parkinson Way.

### **SW Region**

- The JRCC is currently supporting response for persons stranded on Highway 7 due to landslides.
- 3 Cormorants are working to assist RCMP, BCEHS, Aggasiz Fire and Canada Task Force One to evacuate stranded motorists into Aggasiz.

### **VIR Region**

- An evacuation order has been issued for the Halalt First Nations community due to flooding and an ruptured water main.

The Provincial Emergency Coordination Centre has been stood up to support response.

Further updates will be provided as information becomes available.

**Colin Mathie** | Provincial Duty Manager

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## **Update # 10**

### **City of Merritt – Central Region**

- The water treatment plant is considered unsafe for personnel and will be locked up and un-occupied.
- As a result, there will be potentially no clean water or sewage treatment with the likelihood of evacuating the entire City of 7800 people.

Further updates will be provided as information becomes available on this developing event.

**Mitchell Lee** | Provincial Duty Manager

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## **Update # 9**

### **City of Merritt – Central Region**

- The City is at risk of losing their water treatment plant which would compromise the entire city utility infrastructure.
  - Public works have been reassigned from other areas to focus on saving the plant.
- Swift water team was required to assist in evacuating one homeowner due to high, rushing water.

- This event will require ESS supports - intending to send some evacuees to Kamloops.

**Mitchell Lee** | Provincial Duty Manager

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## **Update # 8**

**15 November, 2021 – 5:24 hrs**

### **City of Merritt – Central Region**

- Declared a SOLE due to flooding.
- Evacuation Order issued for properties South of Coldwater Avenue and East of Voght Street:

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**Mitchell Lee** | Provincial Duty Manager

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## **Update # 7**

**15 November, 2021 – 3:03 hrs**

### **Central Region**

- A SOLE was declared for the Town of Princeton.

**Mitchell Lee** | Provincial Duty Manager

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### **Central Region**

**15 November, 2021 – 2:41 hrs**

#### **Regional District of Okanagan-Similkameen**

- Village of Coalmont intends to issue an Alert.
- The fire department from Coalmont is in Tulameen assisting with efforts.

#### **Town of Princeton**

- 3 Evacuation Orders issued for low-lying properties along the Tulameen River.
- Dike has breached. Estimated water level is 18 inches above dike.
- Downtown core is flooded, as well, as areas north and west of the community.
- Group lodging/comfort centres are being set up at Riverside Community Hall. Schools may be used, if out of room.
- SAR has been requested to assist with evacuations- swift water capability only.
- Boil water notice in effect.

### **City of Merritt**

- Dike has breached while rain is still falling and water levels rising.
- Evacuating 800 to 900 residences.
- Group lodging/warming centres are being set up. Churches may be used, if out of room.

### **Southwest Region**

#### **Motor Vehicle Accident – Lougheed Highway (Ruby Creek, near Agassiz)**

- According to news media: 6-10 people trapped within vehicles due to mudslide.
- HUSAR TF#1 expected to be fully on site around 01:45 am.
- News link: <https://www.cbc.ca/news/canada/british-columbia/agassiz-bc-mudslides-highway-closure-1.6248999>

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 5**

**15 November, 2021 – 2:14 hrs**

### **Central Region**

#### **City of Merritt**

- An Evacuation Order issued for all properties within the Coldwater River 200-year flood plain. An Alert was previously issued for the same area.

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 4**

**15 November, 2021 – 1:36 hrs**

### **Southwest Region**

#### **Fraser Valley Regional District**

- An Evacuation Order issued for 53730 Bridal Falls Road (Camperland RV Resort & Cabins).
- An Evacuation Order issued for 4 properties on Auchenway Road in EA "E".

#### **District of Kent**

- SOLE declared due to flooding.
- An Evacuation Alert for residents south of 6500 block of Rockwell Drive.

**Mitchell Lee** | Provincial Duty Manager

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### **Update # 3**

**15 November, 2021 – 0:58 hrs**

### **Southwest Region**

#### **Fraser Valley Regional District**

- SOLE declared due to flooding and mudslides.

#### **City of Abbotsford**

- An Evacuation Alert issued for Clayburn Area: Clayburn Village and surrounding area.
- An Evacuation Alert issued for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place.
- An Evacuation Alert issued for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road.
- An Evacuation Alert issued for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road.
- An Evacuation Alert issued for Straiton Areas: Dawson Road East of Sumas Mountain Road.

## DGIR 213178 - Train Derailment (2 Cars) - Mile 80 Yale - SWE

- Derailment likely due to rain.
- No dangerous goods. Dry materials.
- No injuries or waterways impacted.
- Assessing situation.

## Central Region

### City of Merritt

- An Evacuation Alert issued for all properties within the Coldwater River 200-year flood plain. An Evacuation Order is expected to be issued later.

### Regional District of Okanagan-Similkameen

- An Evacuation Order issued for 34 addresses in EA "H" due to flooding.

### Highway Closures

- Highway 1 (Agassiz – Spences Bridge).
- Highway 3 (Sunshine Valley).
- Highway 5 (Hope – Merritt).
- Highway 7 (Maple Ridge – Hope).
- Highway 11 (US border – Vye Road, Abbotsford) .

Further updates will be provided as information becomes available.

**Mitchell Lee** | Provincial Duty Manager

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## Update # 2

**14 November, 2021 – 22:25 hrs**

### Southwest Region

- SWE PREOC is activated.
- Abbotsford, Pitt Meadows, District of Kent and City of Langley have activated their EOCs.
- **Landslide** – District of Kent. EPC will investigate tomorrow.
- **Landslide** – Abbotsford (Quadling Road). EPC will investigate tomorrow. No impacts to report at this time.
- **Rockslide** - Highway 1 (south of Spuzzum, north of Yale). No impacts to report at this time.
- **Mudslide** – Abbotsford (Glencoe Place). 1 residence on Evacuation Alert.
- **Mudslides** – Abbotsford (Eagle Mountain/Cranberry Court). Potential of Evacuation Order and SOLE being declared.
- **Mudslide** - Highway 1 (Hope to Chilliwack) closed in both directions between Annis Rd and K St for 38.4 km.
  - Road will remain closed pending geotechnical study.
- **Flooding** - Highway 11 (Abbotsford) is closed from 4<sup>th</sup> Avenue to the Sumas Border.
- **Tactical Evacuation** - 200 residents were tactically evacuated by Popkum Fire Department in Bridal Falls area.
- **Motor Vehicle Accident** – Lougheed Highway (Ruby Creek, near Agassiz).
  - Initial report of a semi-truck and two cars going over an embankment due to mudslide.
  - Agassiz Fire Department and Hope SAR assisting. HUSAR TF#1 called out.

### Central Region

- **Evacuation** - Initial report of 24 properties evacuated in Tulameen.
  - Dike built by FLNRO has potential to burst under current conditions.
- Potential of an Evacuation Order/Alert being issued in Princeton.
- Both Princeton and Tulameen activated their EOCs.

Further updates will be provided as information becomes available.

**Mitchell Lee** | Provincial Duty Manager

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## Update # 1

**14 November, 2021 – 20:00 hrs**

- An additional 13 people were evacuated due to flooding in the Clayburn Lane area.
- The City of Langley has issued an evacuation order to a family of two, due to a landslide affecting their home.
- The City of Fernie, the Fraser Valley Regional District, and the Regional District of Okanagan-Similkameen activated their Emergency Operations Centres to monitor flooding and assist homeowners.
- Emergency Support Services continues to respond to support evacuees.
- Multiple roads around the Lower Mainland are experiencing closures and washouts. City/MOTI crews are responding as required.
- BC Hydro reports a large outage in Hope, Spuzzum, Yale, and surrounding areas caused by the weather event. The estimated time of power restoration is unknown at this time.

Further updates will be provided as information becomes available.

**Paul Brandson** | Provincial Duty Manager

## **Initial Report**

**14 November, 2021 17:00 hrs**

Heavy rainfall in the southwest has resulted in mudslides closing both the Trans-Canada and Coquihalla Highway near Hope.

Highway 11 is closed near the Sumas border due to flooding.

Flooding in Abbotsford has displaced people from 12 homes in the Clayburn Lane area. Emergency Support Services is responding to provide assistance.

Chilliwack, Hope, and Abbotsford have activated their Emergency Operations Centres to monitor flooding and provide assistance as necessary.

Further updates will be provided as information becomes available.

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**Media:**

<https://www.castanet.net/news/BC/351544/Rock-slide-closes-Highway-1-through-Fraser-Canyon-Sunday>

<https://bc.ctvnews.ca/flood-watches-issued-in-fraser-valley-fraser-canyon-amid-heavy-rain-melting-snow-1.5665962>

<https://www.cbc.ca/news/canada/british-columbia/coquihalla-closure-rainstorm-1.6248785>

**Paul Brandson** | Provincial Duty Manager

## Update # 12 - Flooding - Atmospheric River Event - Multiple Regions

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November 16, 2021 5:01:23 AM PST  
Attachments: image002.png, image004.png, image005.png, image001.png, image003.png  
**Update # 12**

**16 November, 2021 – 05:00hrs**

The City of Abbotsford has issued an Evacuation Order for an area formerly under Alert in East Abbotsford (Sumas Prairie).

- The dike system has begun to overflow.
- The Order will affect a few thousand people, however the exact number is unknown at this time.
- Due to the closure of Highway 1 between Hwy 11 and No. 3 Rd, evacuees will likely have to evacuate towards Chilliwack.
- Chilliwack and Central Fraser Valley Search and Rescue have been activated to assist with evacuations.

Further updates will be provided as information becomes available.

**Ryan Hetschko** | Provincial Duty Manager  
Emergency Management BC  
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**Update # 11**

**15 November, 2021 – 1215hrs**

**Central Region**

- An evacuation order has been issued for the entire City of Merritt.
- Buses are being used to provide transportation for persons without personal means of transit.
- Where possible persons are being encouraged to stay with family and friends. For residents where this is not an option they are being directed to Kelowna and Kamloops.
- Residents of Merritt with odd number addresses are being directed to the Kamloops ESS Reception Centre, located at McArthur Island (1655 Island Parkway).
- Residents of Merritt with even number addresses are being directed to the Kelowna ESS Reception Centre is located at 1800 Parkinson Way.

**SW Region**

- The JRCC is currently supporting response for persons stranded on Highway 7 due to landslides.
- 3 Cormorants are working to assist RCMP, BCEHS, Aggasiz Fire and Canada Task Force One to evacuate stranded motorists into Aggasiz.

**VIR Region**

- An evacuation order has been issued for the Halalt First Nations community due to flooding and an ruptured water main.

The Provincial Emergency Coordination Centre has been stood up to support response.

Further updates will be provided as information becomes available.

**Colin Mathie** | Provincial Duty Manager

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#### **Update # 10**

##### **City of Merritt – Central Region**

- The water treatment plant is considered unsafe for personnel and will be locked up and un-occupied.
- As a result, there will be potentially no clean water or sewage treatment with the likelihood of evacuating the entire City of 7800 people.

Further updates will be provided as information becomes available on this developing event.

**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 9**

##### **City of Merritt – Central Region**

- The City is at risk of losing their water treatment plant which would compromise the entire city utility infrastructure.
  - Public works have been reassigned from other areas to focus on saving the plant.
- Swift water team was required to assist in evacuating one homeowner due to high, rushing water.
- This event will require ESS supports - intending to send some evacuees to Kamloops.

**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 8**

**15 November, 2021 – 5:24 hrs**

##### **City of Merritt – Central Region**

- Declared a SOLE due to flooding.
- Evacuation Order issued for properties South of Coldwater Avenue and East of Voght Street:

Copyright

**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 7**

15 November, 2021 – 3:03 hrs

**Central Region**

- A SOLE was declared for the Town of Princeton.

**Mitchell Lee** | Provincial Duty Manager

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**Central Region**

15 November, 2021 – 2:41 hrs

**Regional District of Okanagan-Similkameen**

- Village of Coalmont intends to issue an Alert.
- The fire department from Coalmont is in Tulameen assisting with efforts.

**Town of Princeton**

- 3 Evacuation Orders issued for low-lying properties along the Tulameen River.
- Dike has breached. Estimated water level is 18 inches above dike.
- Downtown core is flooded, as well, as areas north and west of the community.
- Group lodging/comfort centres are being set up at Riverside Community Hall. Schools may be used, if out of room.
- SAR has been requested to assist with evacuations- swift water capability only.
- Boil water notice in effect.

**City of Merritt**

- Dike has breached while rain is still falling and water levels rising.
- Evacuating 800 to 900 residences.
- Group lodging/warming centres are being set up. Churches may be used, if out of room.

**Southwest Region**

**Motor Vehicle Accident – Lougheed Highway (Ruby Creek, near Agassiz)**

- According to news media: 6-10 people trapped within vehicles due to mudslide.
- HUSAR TF#1 expected to be fully on site around 01:45 am.
- News link: <https://www.cbc.ca/news/canada/british-columbia/agassiz-bc-mudslides-highway-closure-1.6248999>

**Mitchell Lee** | Provincial Duty Manager

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**Update # 5**

15 November, 2021 – 2:14 hrs

**Central Region**

**City of Merritt**

- An Evacuation Order issued for all properties within the Coldwater River 200-year flood plain. An Alert was previously issued for the same area.

**Mitchell Lee** | Provincial Duty Manager

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**Update # 4**

15 November, 2021 – 1:36 hrs

**Southwest Region**

**Fraser Valley Regional District**

- An Evacuation Order issued for 53730 Bridal Falls Road (Camperland RV Resort & Cabins).
- An Evacuation Order issued for 4 properties on Auchenway Road in EA "E".

## **District of Kent**

- SOLE declared due to flooding.
- An Evacuation Alert for residents south of 6500 block of Rockwell Drive.

**Mitchell Lee** | Provincial Duty Manager

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## **Update # 3**

**15 November, 2021 – 0:58 hrs**

### **Southwest Region**

#### **Fraser Valley Regional District**

- SOLE declared due to flooding and mudslides.

#### **City of Abbotsford**

- An Evacuation Alert issued for Clayburn Area: Clayburn Village and surrounding area.
- An Evacuation Alert issued for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place.
- An Evacuation Alert issued for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road.
- An Evacuation Alert issued for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road.
- An Evacuation Alert issued for Straiton Areas: Dawson Road East of Sumas Mountain Road.

#### **DGIR 213178 - Train Derailment (2 Cars) - Mile 80 Yale - SWE**

- Derailment likely due to rain.
- No dangerous goods. Dry materials.
- No injuries or waterways impacted.
- Assessing situation.

### **Central Region**

#### **City of Merritt**

- An Evacuation Alert issued for all properties within the Coldwater River 200-year flood plain. An Evacuation Order is expected to be issued later.

#### **Regional District of Okanagan-Similkameen**

- An Evacuation Order issued for 34 addresses in EA "H" due to flooding.

#### **Highway Closures**

- Highway 1 (Agassiz – Spences Bridge).
- Highway 3 (Sunshine Valley).
- Highway 5 (Hope – Merritt).
- Highway 7 (Maple Ridge – Hope).
- Highway 11 (US border – Vye Road, Abbotsford) .

Further updates will be provided as information becomes available.

**Mitchell Lee** | Provincial Duty Manager

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## **Update # 2**

**14 November, 2021 – 22:25 hrs**

### **Southwest Region**

- SWE PREOC is activated.
- Abbotsford, Pitt Meadows, District of Kent and City of Langley have activated their EOCs.

- **Landslide** – District of Kent. EPC will investigate tomorrow.
- **Landslide** – Abbotsford (Quadling Road). EPC will investigate tomorrow. No impacts to report at this time.
- **Rockslide** - Highway 1 (south of Spuzzum, north of Yale). No impacts to report at this time.
- **Mudslide** – Abbotsford (Glencoe Place). 1 residence on Evacuation Alert.
- **Mudslides** – Abbotsford (Eagle Mountain/Cranberry Court). Potential of Evacuation Order and SOLE being declared.
- **Mudslide** - Highway 1 (Hope to Chilliwack) closed in both directions between Annis Rd and K St for 38.4 km.
  - Road will remain closed pending geotechnical study.
- **Flooding** - Highway 11 (Abbotsford) is closed from 4<sup>th</sup> Avenue to the Sumas Border.
- **Tactical Evacuation** - 200 residents were tactically evacuated by Popkum Fire Department in Bridal Falls area.
- **Motor Vehicle Accident** – Lougheed Highway (Ruby Creek, near Agassiz).
  - Initial report of a semi-truck and two cars going over an embankment due to mudslide.
  - Agassiz Fire Department and Hope SAR assisting. HUSAR TF#1 called out.

#### **Central Region**

- **Evacuation** - Initial report of 24 properties evacuated in Tulameen.
  - Dike built by FLNRO has potential to burst under current conditions.
- Potential of an Evacuation Order/Alert being issued in Princeton.
- Both Princeton and Tulameen activated their EOCs.

Further updates will be provided as information becomes available.

**Mitchell Lee** | Provincial Duty Manager

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#### **Update # 1**

**14 November, 2021 – 20:00 hrs**

- An additional 13 people were evacuated due to flooding in the Clayburn Lane area.
- The City of Langley has issued an evacuation order to a family of two, due to a landslide affecting their home.
- The City of Fernie, the Fraser Valley Regional District, and the Regional District of Okanagan-Similkameen activated their Emergency Operations Centres to monitor flooding and assist homeowners.
- Emergency Support Services continues to respond to support evacuees.
- Multiple roads around the Lower Mainland are experiencing closures and washouts. City/MOTI crews are responding as required.
- BC Hydro reports a large outage in Hope, Spuzzum, Yale, and surrounding areas caused by the weather event. The estimated time of power restoration is unknown at this time.

Further updates will be provided as information becomes available.

**Paul Brandson** | Provincial Duty Manager

#### **Initial Report**

**14 November, 2021 17:00 hrs**

Heavy rainfall in the southwest has resulted in mudslides closing both the Trans-Canada and Coquihalla Highway near Hope.

Highway 11 is closed near the Sumas border due to flooding.

Flooding in Abbotsford has displaced people from 12 homes in the Clayburn Lane area. Emergency Support Services is responding to provide assistance.

Chilliwack, Hope, and Abbotsford have activated their Emergency Operations Centres to monitor flooding and provide assistance as necessary.

Further updates will be provided as information becomes available.

**Media:**

- <https://www.castanet.net/news/BC/351544/Rock-slide-closes-Highway-1-through-Fraser-Canyon-Sunday>
- <https://bc.ctvnews.ca/flood-watches-issued-in-fraser-valley-fraser-canyon-amid-heavy-rain-melting-snow-1.5665962>
- <https://www.cbc.ca/news/canada/british-columbia/coquihalla-closure-rainstorm-1.6248785>

**Paul Brandson** | Provincial Duty Manager



## EMBC UPDATE - November 16, 2021 @ 07:00 hrs

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November 16, 2021 7:00:05 AM PST  
Attachments: image008.png, image004.png, image006.png, image002.png, image007.png  
Good morning,

## **EMBC UPDATE – November 16, 2021 @ 07:00 hrs**

### **OVERVIEW**

#### **Atmospheric River Events– Multiple Regions**

This weekend's atmospheric river caused heavy rain and localized flooding. Multiple rain-induced incidents occurred across Vancouver Island and the Southern half of the province in the past 24hrs. Several States of Local Emergency and Evacuation Alerts and Orders have been declared. EMBC has approved Disaster Financial Assistance for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the province, including all First Nations communities, electoral areas, and municipalities within these areas.

#### **Provincial Overview**

- The Provincial Emergency Coordination Center will be stood up again today to support response.
- The storm blocked, damaged, and impacted multiple roadways, causing widespread road closures, and stranding multiple motorists yesterday.
  - Search and Rescue, Canada Task Force 1, 442 Squadron, and local first responders have reportedly rescued all stranded motorists and brought them to shelter and appropriate supports in nearby communities.
- BC Hydro reported widespread outages yesterday, and crews worked through the night to restore power.
- The situation is dynamic and full, accurate situational awareness remains challenging, but current estimates suggest that provincially there are over 524 properties on Evacuation Order, 315 properties on Evacuation Alert and then an additional 7,800 people on Evacuation Order in the City of Merritt because of the storm.
  - The City of Merritt has been evacuated in its entirety due to flooding and ensuing unsafe drinking water from the failure of their water treatment plant.
- Emergency Support Services volunteers are responding in affected areas to provide supports to evacuees.
  - Approximately 20 locations are activated as Reception Centers.
- Multiple highways remain closed throughout BC causing disruptions to travel.
  - Highway 1 (Malahat)
  - Highway 1 (Agassiz – Spences Bridge)
  - Highway 3 (Sunshine Valley)
  - Highway 5 (Hope – Merritt)
  - Highway 7 (Maple Ridge – Hope)
  - Highway 11 (US border – Vye Road, Abbotsford)
  - For a complete list of highway and road closures, including ferry disruptions due to flooding, see [DriveBC](#).

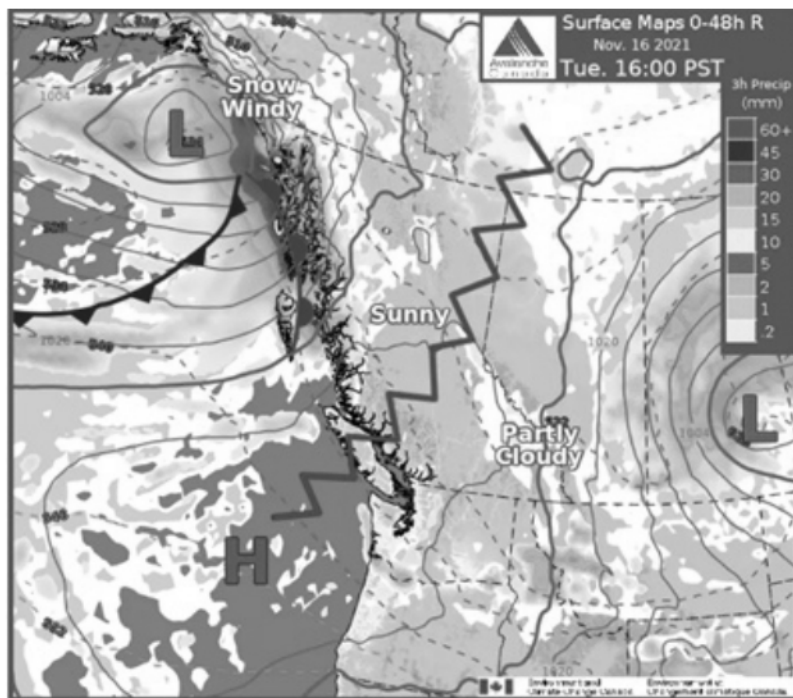
#### **Aircraft Crash – SWE**

- An aircraft of unknown size and type was reported to have crashed near Needle Peak, outside of Hope.
- Details continue to be limited due to the location of the crash and the ongoing weather event.
- The Joint Rescue Coordination Center leads the response efforts and are expected to access the crash site at first light.
- Avalanche and other safety concerns are present at the site.

#### **DGIR Code 2/Overboard Shipping Containers – VIC**

- The situation on board the M/V *Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue as weather and tides allow. Crews are working on readying debris to be removed from the sites when conditions are favourable.

#### **PROVINCIAL WEATHER**



This morning, a ridge of high pressure builds over the interior, heralding cold and dry conditions. The true arctic air will not progress beyond the Peace and the North Rockies where light snow will end early. Elsewhere, the moderately cold, clear night will be followed by a cool, sunny day.

This afternoon, BC will be sunny and cool under the high-pressure ridge. Some clouds will linger over the Rockies. The Northwest mountain range will see increasing cloud and precipitation ahead of an advancing warm front.

#### WEATHER ALERTS and ADVISORIES



**Winter Storm Warning in effect for:** Haines Road – Haines Junction to Pleasant Camp, and South Klondike Highway - Carcross to White Pass.

**Snowfall Warning in effect for:** Coquihalla Highway - Hope to Merritt, and North Coast – inland sections.

## FLOOD WARNINGS and ADVISORIES



**Flood Warning in effect for:** Chemainus River, Englishman River, Nicola River from Merritt to Spences Bridge, Cowichan River, Koksilah River, Coquihalla River, Tulameen River including tributaries and Coldwater River.

**Flood Watch in effect for:** South Vancouver Island, Fraser Valley including surrounding tributaries, Fraser Canyon tributaries including tributaries around Hope and the Chilliwack River.

**High Streamflow Advisory in effect for:** Central Vancouver Island including tributaries around Port Alberni, Howe Sound, Sunshine Coast, Sea-to-Sky, North Shore Mountains, Metro Vancouver, West Vancouver Island, and East Vancouver Island.

### PROVINCIAL SUMMARY – All Hazards

PECC Level 2	CTL	NEA	NWE	SEA	SWE	VIC	Total
PREOC Activations	1	-	-	-	1	1(+1)	3(+2)
Band Council Resolutions	13(+1)	1	1	-	-	-	15(+1)
States of Local Emergency	8(+5)	5	1	3(+1)	7(+4)	2(+2)	26(+12)
Evacuation Orders	15(+8)	7	1	3(+3)	9(+6)	6(+6)	41(+23)
Evacuation Alerts	6(+3)	7	1	1(+1)	7(+1)	-	22(+5)

### REGIONAL SUMMARIES

#### CENTRAL REGION

##### City of Merritt

- SOLE declared due to flooding.
- An evacuation order issued for the City of Merritt in its entirety.

##### Regional District of Okanagan-Similkameen

- SOLE declared for EAs H and G due to flooding.
- An Evacuation Order issued for 74 addresses in EA “G, B, and H” due to flooding.

##### Town of Princeton

- SOLE declared due to flooding.
- 3 Evacuation Orders issued for 228 properties along the Tulameen River.
- 2 Evacuation Alerts for 209 properties.

##### Village of Keremeos

- An Evacuation Alert for the entire Village of Keremeos.

##### Cook’s Ferry Indian Band

- BCR declared due to flooding.
- An Evacuation Order issued for IR 1 & 4.
- An Evacuation Alert issued for the remainder of the community.

**Nooaitch Indian Band**

- An Evacuation Order issued for IR 10.

**Thompson-Nicola Regional District**

- SOLE declared for EA N due to flooding.
- An Evacuation Alert issued for EAs “I, M, and N.”
- An Evacuation Order issued for 53 properties.

**NORTHEAST REGION**

No significant incidents to report.

**NORTHWEST REGION**

No significant incidents to report.

**SOUTHEAST REGION****Regional District of East Kootenay**

- SOLE declared for EA “A” due to flooding.
- An Evacuation Alert issued for 11 properties in EA “A”.

**SOUTHWEST REGION**

SWE PREOC is activated in response to rain-induced incidents.

**Fraser Valley Regional District**

- SOLE declared due to flooding and mudslides.
- An Evacuation Order issued for 53730 Bridal Falls Road (Camperland RV Resort & Cabins).
- An Evacuation Order issued for 4 properties on Auchenway Road in EA “E”.

**City of Abbotsford**

- An Evacuation Alert issued for Clayburn Area: Clayburn Village and surrounding area.
- An Evacuation Alert issued for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place.
- An Evacuation Alert issued for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road.
- An Evacuation Alert issued for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road.
- An Evacuation Alert issued for Straiton Areas: Dawson Road East of Sumas Mountain Road, Southern rail line to the West, Whatcom Road to the East, Highway 1 to the North, United States border to the South.
- An Evacuation Alert issued for Matsqui Village.
- An Evacuation Order issued for a portion of the Sumas Prairie.
- An Evacuation Order issued for 7 addresses on Straiton Road.

**District of Kent**

- SOLE declared due to flooding.
- An Evacuation Order for 59 residents south of 6500 block of Rockwell Drive.

**Squamish-Lillooet Regional District**

- An Evacuation Alert issued for 34 properties in EA “D”.

**Village of Harrison Hot Springs**

- SOLE declared due to flooding.

**City of Langley**

- An Evacuation Order for 1 property on 264th Street.

**VANCOUVER ISLAND and CENTRAL COAST REGION**

The VIC PREOC is providing support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - *M/V Zim Kingston* fire and overboard shipping containers.

**Cowichan Valley Regional District**

- SOLE declared for the entirety of the Regional District including the City of Duncan and local First Nations communities.
- An Evacuation Order for 6 properties in the Allenby Road area.
- Evacuation of the Meadow Glen apartment building due to flooding on Canada Ave.

**Regional District of Nanaimo**

- SOLE declared for EAs “A & G”.
- An Evacuation Order issued for the Cedar Grove campsite.
- An Evacuation Order for an RV site on Martindale Road.

- An Evacuation Order for 29 addresses in the Riverside Road area.

**Janet Adams | Provincial Duty Manager**

Emergency Management BC

Block A – Suite 200, 2261 Keating Cross Rd

Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872

24 Hour Emergency: 1-800-663-3456

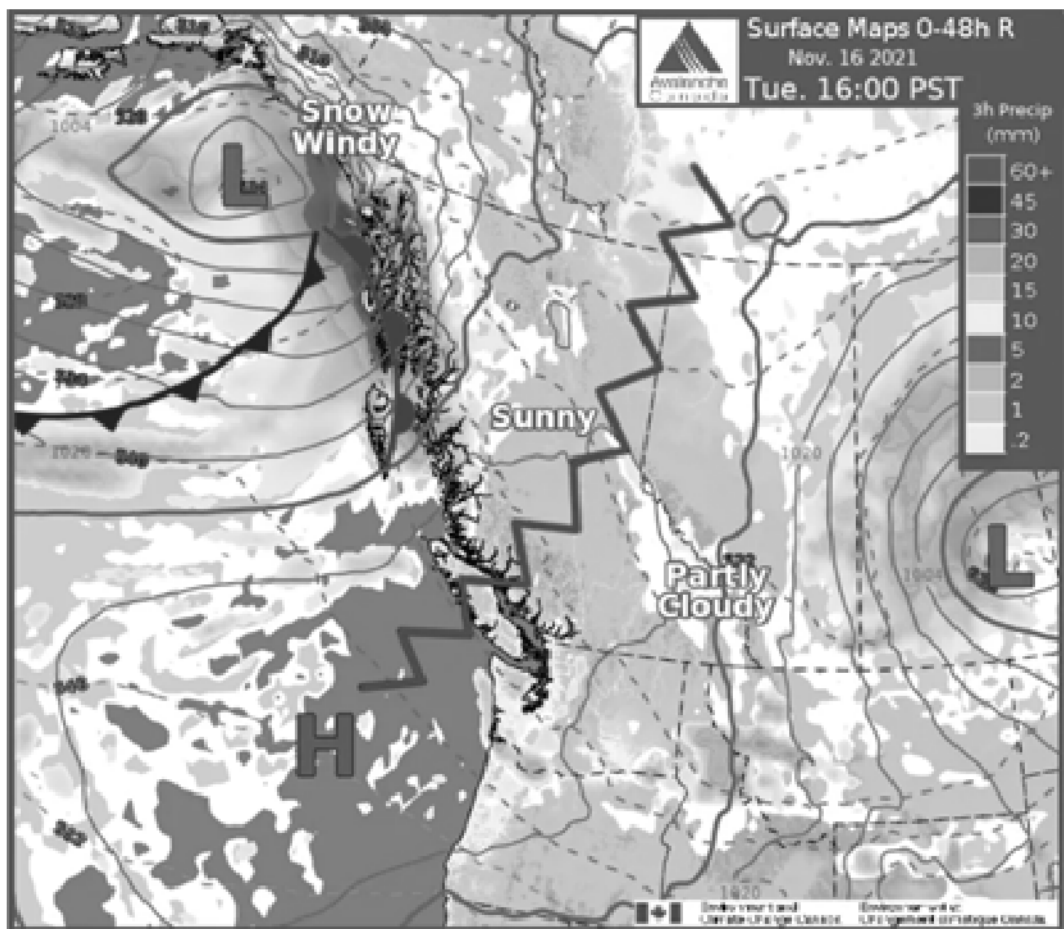
*Follow PreparedBC*











## Not Urgent - Recovery related

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From: Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>  
To: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Forge, Kathryn EMBC:EX <Kathryn.Forge@gov.bc.ca>, Brown, Tom G IRR:EX <Tom.Brown@gov.bc.ca>  
Cc: Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Herie, Beth EMBC:EX <Beth.Herie@gov.bc.ca>, Nichols, Alisha EMBC:EX <Alisha.Nichols@gov.bc.ca>, Bosworth, Gemma EMBC:EX <Gemma.Bosworth@gov.bc.ca>  
Sent: November 16, 2021 1:53:11 PM PST  
Attachments: Recovery Structure 2021 Natural Events.docx

While it is not urgent, I thought the attached document might be useful at this point if you are thinking about the role of the CWG and other parties in light of this weekend's flooding.

I recognize that right now, the immediate flood response work is cutting across a number of sectors. The attached is our initial proposal of an organizational structure for recovery once the immediate response phase is over.

In a nutshell, we propose that EMBC continues to lead a cross-government Community Recovery structure covering both wildfire and flooding, which is primarily organized by community or geographic area. At the same time, just as FLNR has lead the Wildfire Land-based Recovery as a separate stream, we are suggested there be a separate stream lead by MOTI on the Highways and other Infrastructure Recovery, and potentially a separate stream lead by MAFF to address the significant agriculture issues that will arise out of Sumas Prairie flooding.

With your support, I would like to discuss this with ADMs in the ADMC – Recovery meeting this Thursday afternoon. It would also lead to a discussion around the role of the existing CWG Wildfire Recovery and whether it should be expanded to include these other aspects.

Of note, if this structure is supported, we then need to work on a companion piece which looks more closely at the Community Recovery structure within EMBC; we are proposing to add some more Band 3s, AO 24s and AO 18s, but will also need to look at capacity above those levels. That will be a separate discussion.

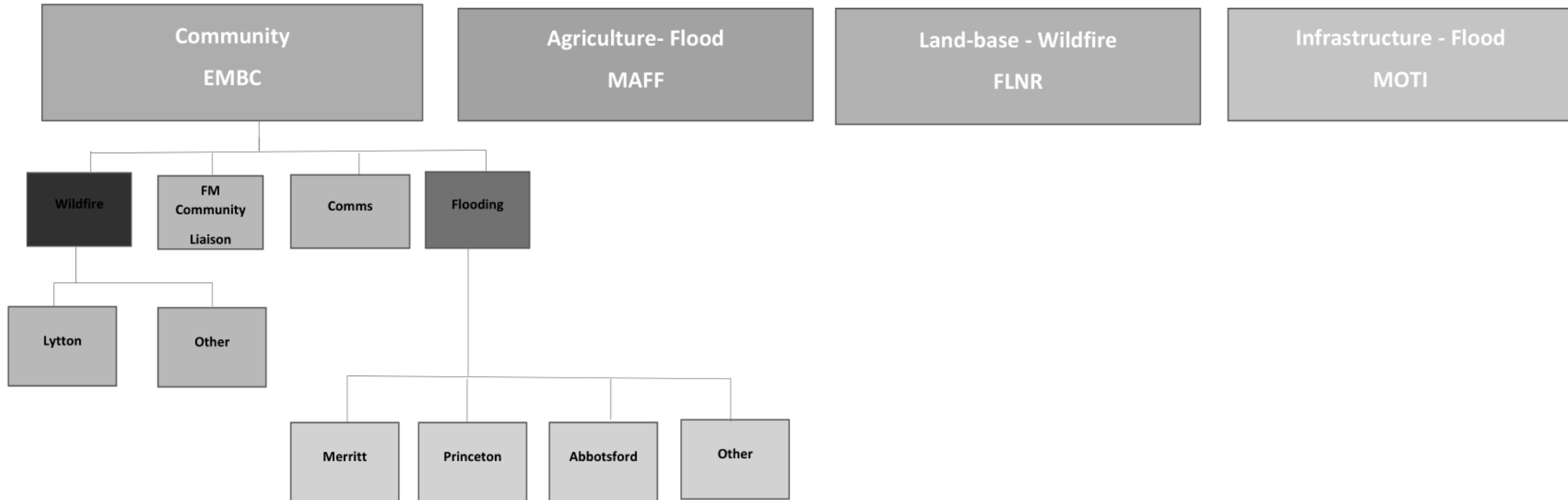
### **Dave Peterson (he/him)**

Assistant Deputy Minister - Recovery and Funding Projects  
Emergency Management BC  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC V8M 2A5  
Phone: 250-387-0019 *EMBC: Disaster Recovery*

*Every Child Matters*

*Honouring and Respecting the legacies of the missing*

Recovery Structure 2021 Natural Events



## FW: REVIEW PLS: SN MMF media availability today

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From: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
Sent: November 16, 2021 2:43:39 PM PST  
Attachments: SN MMF media availability Nov 16 330pm draft.docx  
Pls print for my 3 pm call

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**From:** Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>  
**Sent:** November 16, 2021 2:43 PM  
**To:** Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>; Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>  
**Subject:** FW: REVIEW PLS: SN MMF media availability today

FYI – sending up given the time. Please flag any issues.

JT

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**From:** Wey, Melody GCPE:EX <Melody.Wey@gov.bc.ca>  
**Sent:** November 16, 2021 2:35 PM  
**To:** Maartman, William PSSG:EX <William.Maartman@gov.bc.ca>; Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>; Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>; Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>; Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>  
**Cc:** Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>; Harper, Aimee GCPE:EX <Aimee.Harper@gov.bc.ca>  
**Subject:** REVIEW PLS: SN MMF media availability today

Hi all- for your review please, here's speaking notes for MFF to use at the 3:30 pm media avail today. Thanks, Melody

- Good afternoon, everyone.
- I'm honoured to be here on the traditional territory of the Lekwungen speaking people, and the Songhees and Esquimalt Nations.
- Joining me today is Minister Rob Fleming, Minister of Transportation and Infrastructure along with representatives from:
  - Ministry of Transportation and Infrastructure
  - The River Forecast Centre,
  - The RCMP, and
  - Environment and Climate Change Canada.

## PAUSE

- Today we're providing an update on our response to the significant flooding and mudslides we're seeing across the Southern half of the province.
- This has been an extreme weather event.

- And, while the River Forecast Centre has issued 16 advisories since Saturday, and travel warnings were continually issued by DriveBC, weather specialists have noted that the impacts have been much greater than expected.
- The Provincial Emergency Coordination Center is supporting local governments as we work together to get through this unprecedented rainfall.
- There are over 20 reception centres open around B.C. and several States of Local Emergency and Evacuation Alerts and Orders have been declared.
- While there were three landslide incidents cutting off traffic on our highways, ALL of those stranded motorists have now been rescued and taken to shelter and appropriate supports in nearby communities.
- Search and rescue teams and the RCMP have been sweeping impacted areas to make sure that no one has been left behind.

- People from Merritt have been evacuated to either Kamloops or Kelowna.
- We are seeing significant efforts to move health care patients and long-term care and assisted living residents out of flood areas, safely.
- Hope is supporting about 1,100 evacuees with meals and about 900 people have been sleeping at the church and high school.
- While facilities are limited in Hope, we are working with BC Wildfire Services to get food, water, cots, and blankets to people with their aircraft.
- Also in Hope, there's an access road being worked on right now that will soon reconnect Hope to the Lower Mainland.
- One of our priorities is on making sure there's a flow of supplies so that people can buy food and essential goods in areas with flooded or damaged roads or railways.

## PAUSE

- I would like to thank all the first responders, local governments and volunteers who have been working around the clock responding to the flooding and helping people in need.
- What we are seeing is a natural disaster.
- Our Province continues to prepare our infrastructures and communities for future events ... including our work to overhaul the Emergency Program Act.

## PAUSE

- Multiple highways remain closed throughout B.C. causing disruptions to travel ... and I encourage everyone to be flexible with their travel plans.
- And to remember, whenever going on long trip, it is important to pack an emergency kit in your car.



- For a complete list of highway and road closures, including ferry disruptions due to flooding, please visit DriveBC.
- And with this, I would like to pass it over to Minister Rob Fleming for an update.
- Thank you.

## SWE PREOC Situation Report #3 and Map for 2021NOV16

From: EMBC SWE PREOC Liaison 1 EMBC:EX <preoc2.lia1@gov.bc.ca>  
To: Hurley, Alan EMBC:EX <Alan.Hurley@gov.bc.ca>, Bhalla, Amrita EMBC:EX <Amrita.Bhalla@gov.bc.ca>, Bland, Craig W EMBC:EX <Craig.Bland@gov.bc.ca>, Cunnings, Ian EMBC:EX <Ian.Cunnings@gov.bc.ca>, Owens, Jeff EMBC:EX <Jeff.Owens@gov.bc.ca>, Oakley, John EMBC:EX <John.Oakley@gov.bc.ca>, Fryer, Kathleen EMBC:EX <Kathleen.Fryer@gov.bc.ca>, Meeks, Ken EMBC:EX <Ken.Meeks@gov.bc.ca>, Lolacher, Lorraine EMBC:EX <Lorraine.Lolacher@gov.bc.ca>, Aeichele, Nicole EMBC:EX <Nicole.Aeichele@gov.bc.ca>, Toor, Pavandeep EMBC:EX <Pavandeep.Toor@gov.bc.ca>, Chang, Richard EMBC:EX <Richard.Chang@gov.bc.ca>, Laing, Richard EMBC:EX <Richard.Laing@gov.bc.ca>, Glass, Shaun EMBC:EX <Shaun.Glass@gov.bc.ca>, Ewen, Shelly EMBC:EX <Shelly.Ewen@gov.bc.ca>, Haley, Tyler EMBC:EX <Tyler.Haley@gov.bc.ca>, Brugman, Yannic EMBC:EX <Yannic.Brugman@gov.bc.ca>, Black, Leanne EMBC:EX <Leanne.Black@gov.bc.ca>, MacDonald, Peter M EMBC:EX <Peter.M.MacDonald@gov.bc.ca>, John Oakley (s.22 <s.22>), Godlonton, Brian EMBC:EX <Brian.Godlonton@gov.bc.ca>, Wright, Steve EMBC:EX <Steve.Wright@gov.bc.ca>  
Sent: November 16, 2021 5:47:06 PM PST  
Attachments: SWE PREOC Situation Report #3 2021NOV16.pdf, Situation Map #3 2021NOV16.pdf, DFA Key Info QA 2021NOV.pdf

South West Provincial Regional Operations Centre (SWE PREOC)

### SITUATION REPORT #3

#### Event: Atmospheric River

Date/Time Issued: 2021-11-16; 1630hrs

Task #: 223862

Operational Period: 2021-11-16

Primary PREOC Email: [preoc2.ops1@gov.bc.ca](mailto:preoc2.ops1@gov.bc.ca)

Primary PREOC Phone: 778-572-3962

Primary PREOC Fax: 604-586-4083

Overall Regional Situation: Static

Activated EMBC Staff: 11

Activated TEAMS: 6

Agency: 4

Other: 2

The next Situation Report will be issued: 2021-11-17 at 1530hrs

\*\* New information

### KEY PROVINCIAL INFORMATION

0. The Southwest PREOC is activated to support communities affected by flooding and landslides caused by the Atmospheric River
1. Major flooding in the Vancouver Island, Southwest and Central areas of the province from 2021NOV14 onward have caused property and content damages. As a result of the damages sustained from this event, provincial Disaster Financial Assistance (DFA) has been authorized for qualifying claimants, such as home owners, residential tenants, small business owners, farmers, charitable organizations and local government bodies, who were unable to obtain insurance to cover these disaster-related losses. See attachment for more information
2. The Southwest PREOC is assisting the District of Hope in accessing critical supplies. Hope estimates they are supporting 1100 evacuees for meals and lodging

#### Environment Canada

- Rain/Wind and Snowfall Warnings

0. All rain, wind, and snowfall warnings for the SWE areas have ended

#### River Forecast Centre

3. As of 7:45 am November 16th, the River Forecast Centre is maintaining the following advisories:
  0. Sumas River and areas around the US Border – Flood Warning (MAINTAINED)
  1. Fraser Valley including surrounding tributaries – Flood Watch (MAINTAINED)
  2. Fraser Canyon tributaries, including tributaries around Hope – Flood Watch (MAINTAINED)
  3. Coquihalla River – High Streamflow Advisory (DOWNGRADED)
  4. Chilliwack River – High Streamflow Advisory (DOWNGRADED)
4. The River Forecast Centre is ending a Flood Watches and High Streamflow Advisories for:

0. Sea-to-Sky – ENDED
1. Howe Sound – ENDED
2. North Shore Mountains – ENDED
3. Sunshine Coast – ENDED
4. Metro Vancouver - ENDED

The atmospheric river that impacted southern British Columbia over the weekend and Monday has now moved out of the region. Throughout the region river levels have reached their peak levels and have receded overnight Monday and early on Tuesday. Flows and water levels remain high in lake and reservoir-fed watersheds along the Fraser Valley, including the Allouette River and Harrison River. Low-lying terrain around the Sumas River drainage are also expected to have persistent high-water. Generally dry conditions are expected over the next few days. River levels are expected to continue to recede on Tuesday and through the week

5. The next Coordination Call will be 2021NOV16 @ 0900hrs
6. **Total Active RCs: 3**
7. **Total Active Alerts: 10**
8. **Total Orders: 10**
9. **Total States of Local Emergency: 5**
0. **Total Band Council Resolutions: 0**

#### WEATHER FORECAST FOR – 2021NOV16

##### Abbotsford

Wednesday AM	A mix of sun and cloud. Becoming cloudy near noon. High 6
Wednesday PM	Cloudy with 60 percent chance of showers. Low plus 3
Thursday AM	Cloudy with 60 percent chance of showers. High 7
Thursday PM	Cloudy with 60 percent chance of rain showers or flurries. Low plus 1

##### Pemberton

Wednesday AM	A mix of sun and cloud. Becoming cloudy in the morning. Wind up to 15 km/h. High zero. Wind chill minus 5 in the morning
Wednesday PM	Cloudy. Low minus 3
Thursday AM	Cloudy. High plus 3
Thursday PM	Cloudy periods. Low minus 2

#### FIRST NATIONS

##### Chawathil First Nation:

- **Incident:** Flooding
- EOC activated for flooding. 1 home is flooding and material is sliding off of bluffs around the community

##### Kwikwetlem First Nation:

- **Incident:** Flood Alert
- Put on flood alert from BC Hydro Dams
- EOC activated 2021NOV15

##### Leq'á:mel First Nation:

- **Incident:** Flooding
- Virtual EOC activated 2021NOV15 due to flooding and 1,000 sandbags requested

##### Lower Stl'atl'imx (LSTC):

0. **Incident:** Heavy rain caused multiple landslides closing roads and affecting power to Douglas, Samahquam, and Skatin
1. Approximately 60 households are without power in Samahquam and Skatin
2. LSTC has spoken to FLNRO, BC Hydro, and Lizzie Bay/IRM to coordinate efforts to restore power and access. FLNRO and BC Hydro will have assessment crews out first thing 2021NOV16 to begin the repair/reconnection of power lines and routes
3. In-SHUCK-ch FSR - Road access to north to Pemberton has not been established for all communities

#### **Lytton First Nation/Camp Hope**

- **Incident:** Activated in support of evacuees located at Camp Hope. Additional accommodation may be available at Camp Hope

#### **Matsqui First Nation:**

- **Incident:** Localized flooding on IR 2 and IR 4
- Requested sandbags and sand due to localized flooding on IR 2 and IR 4

#### **Peters First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV14 for flooding

#### **Seabird Island**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding
- Band office and gym have opened as warming station for travellers stranded by highway closures. Seabird Island Band – 2895 Chowat Rd, Agassiz

#### **Shsw'ow'hamel First Nation**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding

#### **Skawahlook First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding

#### **Soowahlie First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding
- Currently no power or water due to flooding activity since 2021NOV14

#### **Squamish First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding

#### **Sts'ailes First Nation:**

4. **Incident:** Flooding
5. Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags

#### **Sumas First Nation**

- **Incident:** Flooding
- EOC activated 2021NOV16 for flooding

### **LOCAL AUTHORITIES**

#### **Abbotsford:**

- **Incident:** Heavy rainfall has resulted in several localized mudslides and flooding
- **Alerts:** 8
  - Issued 2021NOV15 for Sumas Prairie: The Southern Rail Line to the West, Whatcom Road to the East, Highway 1 to the North, United States Border to the South (1700 Homes)
  - Issued 2021NOV14 for Matsqui Village: Grace Road North to the Matsqui Slough (12 Homes)
  - Issued 2021NOV14 for Clayburn Area: Clayburn Village and surrounding area (30 Homes)
  - Issued 2021NOV14 for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place (12 -15 Homes)
  - Issued 2021NOV14 for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road (30 Homes)

- Expanded 2021NOV15 for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road; Westside of Sumas Way to West of Riverside Road, East of Sumas River Dike to Boundary Road (140 Homes)
- Expanded 2021NOV15 for Straiton Areas: Dawson Road East of Sumas Mountain Road, Straiton Road between Old Clayburn Road and Sumas Mountain Road (60 Homes)
- **Homes Alerted:** 1,987
- **Orders:** 2
  - Issued 2021NOV15 (2 Orders) for Straiton Road (7 Homes, 15 homes)
  - Expanded 2021NOV16 for Sumas Prairie including the area bordered by: Sumas Mountain, DeLair Road and Old Yale Road to the North, The USA Border to the South, Chilliwack City border to the East, The Ridge West of Railway Road to the West (1119 Homes)
- **Homes Ordered:** 1,141
- **State of Local Emergency:** 1 – issued 2021NOV15 and expires 2021NOV23 at midnight
- **Reception Centre(s):** 1, Abbotsford Recreation Centre (ARC), 2499 McMillan Road
- **Individuals Registered with ESS:** unknown
- Currently focused on evacuation orders and alerts expanded to include both the east and west sides from the of the dike at Sumas River
- The dike at the Sumas River is at spill levels and the City has a contractor reinforcing the dike at specific locations and have changed their strategy from riprap to block for better stability and less resources to construct
- Utilizing SAR resources, RCMP and Fire to deliver notices to impacted homes
- Mutual Aid is being requested from the local SAR teams
- Reception Centre is located at the Abbotsford Recreation Centre (ARC) 2499 McMillan Road for any residents displaced due to the flooding and/or landslide events currently occurring
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to [Local Government website](#) for list of closures

#### **Bowen Island:**

- **Incident:** Flooding
- EOC activated 2021NOV15 due to flooding

#### **Chilliwack:**

- **Incident:** Heavy rainfall has resulted in several localized mudslides and flooding causing travellers to be stranded
- **Alerts:** 1
  - Issued 2021NOV16 Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road
- **Orders:** 2
  - Issued 2021NOV16 at 0930hrs for Yarrow, from Boundary Road to Browne Road, and all of Majuba Hill
  - Issued 2021NOV15 at 1230hrs for 4 properties on Yale Road and 3 properties on Chartwell Drive
- **State of Local Emergency:** 1, issued 2021NOV15 expires 2021NOV22 at midnight
- **Reception Centres:** 2 (Chilliwack Senior Secondary, 46363 Yale Road)
- On 2021NOV15 a State of Local Emergency was declared for areas of the 47000 block of Yale Road and the 47000 block of Chartwell Drive
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to Local Government website for list of closures

#### **Delta:**

- **Incident:** Heavy rain caused localized flooding throughout areas of Delta
- 6. EOC Activated in response to issues related to flooding and high winds
- 7. Working to mitigate localized flooding and support critical infrastructure (drainage stations)
- 8. Working to restore communications (internal and external) to full capacity
- 9. Continuing to monitor and support drainage stations

#### **Fraser Valley Regional District:**

- **Incident:** Heavy rainfall causing overland flooding and mudslides
- **Alerts:** 1
  - Issued on 2021NOV15 at 1530hrs for Chilliwack River Valley, FVRD Electoral Area “E” for 7 properties on Obyrne Road

• **Homes Alerted: 7**

• **Orders: 5**

- Issued 2021NOV15 at 1630 for Cultus Lake, FVRD Electoral Area "H" for 17 properties on Lakeshore Drive
- Issued 2021NOV15 at 1230hrs for Chilliwack River Valley Electoral Area "E" for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road
- Issued 2021NOV15 at 0915hrs for Othello Road, FVRD Electoral Area "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road
- Issued 2021NOV14 at 1130hrs for Bridal Falls Area, FVRD Electoral Area "D" for 1 property on Bridal Falls Road (24 people)
- Issued 2021NOV15 at 0030hrs for Chilliwack River Valley, FVRD Electoral Area "E" for 4 properties on Auchenway Road

• **Homes Evacuated:** to be confirmed

• **State of Local Emergency: 1** - declared 2021NOV14 at 2230 for all Electoral Areas of the FVRD to remain in force until 2021NOV21 at midnight

• **Reception Centre(s):** (Abbotsford Recreation Centre, 2499 McMillan Road, Abbotsford; Hope Grace Baptist Church, 949 3rd Avenue, Hope; Chilliwack Secondary School 46363 Yale Road, Chilliwack)

• **Individuals Registered with ESS: 11**

- Leisure Valley at Columbia Valley Road, Area H is affected. The local Fire Department is doing a tactical evacuation as needed and overseeing site works to stabilize the scene. The Bell Grove Creek has washed out the shoulder of Columbia Valley Road
- Preliminary Geotechnical Assessment received for Bridal Falls Road shows that the unsafe area extends beyond our current evacuation order area. The Evacuation order will be expanded to include the unsafe lands. All residents willing to evacuate have been evacuated already
- Chilliwack River Valley beyond Edwards Road flooded. MoTI Contractor working on the washout.
- Security in place for Chilliwack River Valley Road, Wilson Road evacuation order
- Taylor Rd: Attended today by Hydrotechnical Engineers to assess the situation. assessment is that there is a section of road/dike that requires immediate attention to be rebuilt. There is no threat of flooding/breaching, however, the structure could fail further which would be a danger to anyone travelling the road/dike. Discussions with Leqamel have indicated that they wish for the FVRD's EOC to coordinate this
- Elbow Creek: Hydrotechnical Engineers assess the situation. Their assessment reported that the seepage experienced yesterday was due to the high water levels but that the dike was not showing any signs of failure and that no further work is required
- 1,000 sandbags have been sent to Chilliwack River Valley. 4,000 sandbags remaining on Gibson Road, Chilliwack
- Damage assessment required at Hope Recreation Centre
- There has been an approximately 50 ft. mudslide in the Bridal Falls area, which has led to an evacuation order at Camperland RV Resort & Cabins on Bridal Falls Rd. in FVRD Electoral Area D. Approximately, 24 people were evacuated
- Four (4) properties have been evacuated at Auchenway Road in Chilliwack River Valley in FVRD Electoral Area E
- The water level at Wilson Road dike in Chilliwack River Valley is approximately 1m below the crest. Operations crew are monitoring the water levels at the dike. The dike is approx. 900m and protects 20 properties and Chilliwack Lake Road. The dike is actively eroding and at risk of overtopping
- Jones Creek water levels are high. A local resident has been providing updates regarding the creek levels. The creek has eroded the banks and is approximately 8ft. away from the structure. The Laidlaw Bridge requires monitoring through MoTI

**Village of Harrison Hot Springs:**

- **Incident:** Flooding along the Miami Slough
- **State of Local Emergency: 1** – declared 2021NOV15 for the Village of Harrison Hotsprings and expires 2021NOV22 at midnight
- EOC activated on 2021NOV15 due to localized flooding along the Miami Slough
- Maintaining pumps at maximum capacity
- Delivering sand and sandbag for public use
- Informing public to minimize toilet and other sewage use (laundry, washing machines, etc)
- Continuing to monitor water levels and deploy additional pumps if required
- Flooding on Highway 9 Harrison Hot Springs Road & McPherson Road. Limited ability to traverse due to water on road

**District of Hope:**

- **Incident:** Multiple people stranded by highway closures

- **Reception Centre(s):** 2, 71731 Meadow Road, Fraser Valley B, BC and Hope Grace Baptist Church – 949 3<sup>rd</sup> Ave. Hope
- **Individuals Registered with ESS:** unknown
- Currently no food in town due to no power. Stores/restaurants closed
- Meal flown in via helicopter 2021NOV16 and provided by Salvation Army
- The EOC was relocated to the Hospital

#### District of Kent:

- **Incident:** Landslide threatening people and property along Rockwell Drive
- **Orders:** 1, Issued on 2021NOV15 for Rockwell Drive, Rockwell Lane, Rockwell Place, Pirates Lane, Thunderbird Crescent, and Dogwood Lane
- **State of Local Emergency:** 1 – declared 2021NOV14 for Rockwell Drive and expires 2021NOV21 at midnight
- **Homes Evacuated:** 6
- **Reception Centre(s):** 2, (Riverside Christian Reformed Church, 7452 Morrow Road; Agassiz Agricultural Hall, 6800 Pioneer Avenue (for evacuees from the Hwy #7 slides))
- **Individuals Registered with ESS: #**
- Multiple landslides on Rockwell Drive (6500, 6900 and 7000 blocks). A tactical evacuation of 6 properties was performed on 2021NOV14
- **Incident:** Hwy 7 landslide
- Multiple landslides have trapped approximated 150 people on Hwy 7 at Seabird Bluffs
- 12 people were rescued from the Hwy 7 incident overnight
- Canada Task Force 1 is on scene supporting the response from the Agassiz Fire Department
- A culvert is blocked on Chaplin Road (Seabird Island) causing significant water backup onto Kamp Road
- Flood pumps at Hammersley Pump Station overheated and shut down
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to Local Government website for list of closures

#### Langley, Township of:

- **Incident:** Mudslide threatening people and property
- **Homes Evacuated:** 1
- **Individuals Registered with ESS:** 2
- Rainfall caused wide spread flooding on public and private property, as well as parks and trails, and sewer lift stations
- Multiple roads impacted due to flooding
- Engaging geotechnical and structural consultants to assist with slope failures locations when safe to do so
- A mud slide has occurred at 7800 block of 264th Ave. in Langley. The Township is on scene assessing the damage
- 2 adults have been provided 1 night accommodation

#### Maple Ridge:

- **Incident:** Localized flooding
- 0. EOC activated in response to localized flooding due to the Alouette River
- 1. Monitored South Alouette, North Alouette flows and Fraser River as well as SSO's
- 2. Confirming BC Hydro's release rate and adjusting response as per BC Hydro's predicted spill volumes
- 3. Completing visual inspections along South and North Alouette River
- 4. Continuing to monitor South Alouette River levels

#### Metro Vancouver Regional District:

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding
- Liquid Waste Services is reporting 8 sewer overflows, and all Wastewater Treatment Plants have had power restored and are operating normally, and within the regulated requirements. Cariboo Dam has been able to manage flows through the Still Creek drainage system throughout the event with minor flooding
- Water Services is monitoring its Dams and is managing turbidity concerns
- Regional Parks currently have 6 parks closed due to flooding conditions, and power has been restored to all locations interrupted 2021NOV15
- Solid Waste Services is reporting all Recycling & Waste Facilities are reopened to full operations. Coquitlam Landfill had an overflow of surface water, which has since been contained and repairs are ongoing to the berm that was damaged

- Gaining situational awareness of impacted infrastructure. Assessing damages and planning for repair or mitigation strategies as required

• **Road Closures:**

- 56th Ave @ 176th Street, Surrey – Partial lane closure
- Blundell & Gilbert, Richmond - Alternating traffic (local traffic only)

**Mission:**

- **Incident:** Localized flooding and mutual aid
- EOC activated due to localized flooding and to provide mutual aid to Abbotsford
- Public works reports several roads have been reopened. A number are still closed or are single lane due to flooding
- Two residences on King Avenue are isolated due to complete road wash out
- Planning/preparing to open RC in Mission if required to support ESS flood response if required

**New Westminster:**

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding

**Pemberton:**

- **Incident:** Flooding
- EOC activated 2021NOV15 due to flood activity
- Heavy rainfall caused significant flows in Pemberton Creek and the Arn Canal causing localized flooding in low-lying areas
- The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding
- A sandbag station has been set up at Municipal Hall
- Pumping at the Peaks and Pioneer Junction is ongoing.
- One Mile Lake Park, the Boardwalk and trails have been closed due to high water
- Pemberton Fire Rescue was dispatched to assist with pumping in residential areas
- PVDD to continue to monitor rivers, provide ongoing updates, expertise and operational recommendations
- Continuing to liaise with Lil'wat, SLRD and PVDD and relevant agencies to coordinate response

**Pitt Meadows, City of**

- **Incident:** Heavy rainfall has resulted in multiple roads flooding
- Localized flooding throughout Pitt Meadows. Some areas inundated with water, some roads have been closed and/or have signage placed to be cautious of flooding
- Hammond Road/Airport Way both have localized flooding. Traffic control on scene.
- Dike inspections started
- Inundation mapping from Alouette Dam are being reviewed as they have a freecrest spill peaking around 2400 hr 2021NOV15 at 160 cms. The Pitt River is at high tide for a couple of days
- Alouette River alert notice sent to City Agricultural Advisory Committee
- Determining flood spill conditions and possible scenarios from the Alouette Dam
- Notification to some properties along the Alouette/Pitt Rivers
- Notice to be delivered to property on 224th Ave in regard to potential hazards/flooding due to the freecrest spill from the Alouette Dam

**Port Coquitlam:**

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding
- High river flows and potential overflow of banks and surrounding land. Drainage infrastructure at maximum capacity. No disruption in solid waste collection. Pump stations at maximum capacity and experienced pump failures
- Closures: Gates parking lot, Traboulay Trail from dog park to Patricia food bridge, Burleigh - Kingsway to Chine

**Squamish Lillooet Regional District:**

- **Incident:** Flood threat to properties
- **Alerts:** 0
- EOC activated 2021NOV15 due to flood threat to properties and water levels continue to rise
- The evacuation alert issued on 2021NOV15 for Tunnel Station/Upper Paradise Valley – Electoral Area D was rescinded 2021NOV16



- On 2021NOV15 Pemberton Fire Rescue Service advised the SLRD EOC that a mudslide occurred in the vicinity of 1773 Reid Road, inundating the road approx. 1m deep due to a steep creek debris flow
- MFLNRORD geotechnical assessment requested for 2021NOV16

### Squamish District

- **Incident:** Localized flooding due to heavy rainfall. Waste Treatment Plant overflowing
- EOC activated 2021NOV15 due to localized flooding concerns
- Wastewater Treatment Plant is overflowing within the District of Squamish

### Sunshine Coast Regional District

- **Incident:** Localized flooding due to heavy rainfall
- EOC activated 2021NOV15 due to localized flooding on Day Road in Roberts Creek
- Stormwater flooding and erosion has impacted public services (drinking water, fire flows, roads, transit, wastewater treatment, parks) in 35+ locations, regionally. Fortis reports exposed gas line at Stephens Road and Lower Road and are preparing for re-routing and/or shutoff.
- Working to protect water supply/infrastructure for public health and fire flow (Chapman Creek main, water mains, McNeill Lake dam, Grantham's pump station)
- Working to protect public health / manage impacts of WWTP failure (notifications)
- Addressing current areas of no road access (washout occurred)
- Addressing potential areas of no road access (impending washout)
- Promoting public safety (park closures, awareness of issues/avoid unnecessary travel)
- Boil water advisories issued (2021NOV15 at 1330)

### Surrey:

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding

### Whistler:

- **Incident:** ESS host community
5. Providing support to two evacuees who are unable to return home due to the mudslides

### AGENCIES

#### Ministry of Transportation and Infrastructure (MoTI):

- MoTI South Coast Region has activated their Ministry Operations Centre and District Operations Centre

### HEALTH INFORMATION

**No impacts reported**

### LIVE STOCK IMPACTED

**No impacts reported**

### TRANSPORTATION IMPACTED

#### Drive BC

Highway 1 Both Directions - Highway 1, in both directions. Mudslide between Annis Rd and K St for 38.4 km (Hope to 2 km east of Chilliwack). Road closed. Estimated time of opening not available. Assessment in progress

Highway 1, in both directions. Flooding between Flood Hope Rd and Junction Hwy 8 for 144.3 km (Hope to Spences Bridge). Rockslide. Road closed. Assessment in progress. Estimated time of opening not available

Highway 1, in both directions. Flooding between Exit 90: McCallum Rd and Exit 109: Yale Rd for 20.1 km (Abbotsford to Chilliwack). The road is closed. Estimated time of opening not available. Assessment in progress

Highway 3 Both Directions - Highway 3, in both directions. Mudslide at Sunshine Valley (17 km east of Hope). Road Closed. Assessment in progress. Estimated time of opening not available

Highway 5, in both directions. Mudslide at Exit 202 (11 km south of Great Bear Snowshed). Road closed. Assessment in progress. Estimated time of opening not available. Detour not available. Road closed between Hope and Merritt

Highway 7 Both Directions - Highway 7, in both directions. Mudslide between Johnson Slough Rest Area and Ruby Creek Rd (Kent). Road closed. Assessment in progress. Detour not available

Highway 7, in both directions. Mudslide between Johnson Slough Rest Area and Ross Rd for 12.6 km (Kent to 1 km east of Hope). Road closed. Assessment in progress. Detour not available

Highway 7 Both Directions - Highway 7, in both directions. Mudslide between Highlands Blvd and Bodnar Rd (Kent). Flooding. Road closed. Assessment in progress. Estimated time of opening not available

Highway 11, in both directions. Flooding between Hazelwood Ave and Townshipline Rd for 2.9 km (Abbotsford). Road closed

Highway 11, in both directions. Flooding between Vye Rd and Delair Rd for 2.0 km (Abbotsford). The road is closed. Estimated time of opening not available. Watch for traffic control

Highway 12, in both directions. Mudslide between Six Mile Rd and Kirbys Flat Rd for 0.2 km (27 to 26 km north of Lytton). Road closed. Geotechnical investigation

Highway 12, in both directions. Mudslide between Fountain Creek Rd and 30 Mile Rd for 2.0 km (15 to 17 km south of Lillooet). Road closed. Assessment in progress

Highway 99, northbound. Flooding between Blundell Rd and Exit 36: Westminster Hwy (Richmond). Road closed. Traffic is being rerouted onto Westminster Highway

Highway 99, in both directions. Mudslide between Lil'wat Pl and Seton Lake Rd for 81.9 km (9 km north of Pemberton to Lillooet). Road closed. Estimated time of opening not available. Assessment in progress

King George Blvd., northbound. Bridge closed at Nicomekl Bridge. Assessment in progress. Please use alternate route

## UTILITIES IMPACTED

### BC Hydro

- 2021NOV16 update - There are currently 716 customers without power within the Lower Mainland and Sunshine Coast remain without power due to flooding, mud/snow slides and trees down on wires
- **For more information:** <https://www.bchydro.com/power-outages/app/outage-list.html>

### • BC Hydro Alerts

- Stave Falls and Ruskin Dams Spill Notification – 2021NOV16, at approximately 1315hrs decrease will commence at the Ruskin Dam & Stave Falls Dam as inflows are decreasing. Ruskin Dam Spill will decrease from 1400 cubic meters per second (cms) to a flow of 500 cms. Stave Falls Spill will decrease from 1350 cubic meters per second (cms) to a flow of 500 cms.
- Wahleach Dam (Jones Lake) Spill Notification – Notification of planned spill release. Lower Jones Creek water levels will rise and may approach bankfull conditions, but no major flooding is expected. The current reservoir elevation is 642.31m. The current release is ~50 cms (cubic meters per second). Forecast spill is reducing, reservoir lowering. The reason for spill inflows event and plant outage
- 2021NOV16 The previously declared flood alert, # ALU\_01\_2021, downstream of Alouette Dam has been rescinded
- 2021NOV16 the previously declared flood alert # WAH\_01\_2021 downstream of Wahleach Dam has been rescinded
- 2021NOV16 the previously declared flood alert # CMS\_01\_2021 downstream of Cheakamus Dam has been rescinded

### Enbridge Inc.

- Due to heavy rainfall and increasing river flows, Enbridge has shut down a segment of 30-inch natural gas pipeline in the Coquihalla river valley on the morning of 2021NOV16 as a precautionary measure. The 36-inch natural gas pipeline remains in operation.
- Continuing to monitor the situation and will take further action should they become necessary.

## USEFUL LINKS/RESOURCES

[EMBC Current Flooding Information](#)

[River Forecast Centre](#)

[Drive BC](#)

[Environment Canada](#)

[Avalanche Canada Weather Forecast](#)

[BC Hydro](#)

[Disaster Financial Assistance Website](#)

**APPROVED BY:**

*Original signed by*

Debbie Alexander

**PREOC Deputy Director**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for public information. If you wish you use contained information for a media release, you must clear it with the PREOC Director.

**Liaison 1**

**Southwest Regional PREOC**

**Emergency Management British Columbia**

14292 Green Timbers Way  
Surrey, B.C. CANADA V3T 0J4

***Primary SWE PREOC contact***

*Phone 778-572-3961*

*Email [preoc2.ops1@gov.bc.ca](mailto:preoc2.ops1@gov.bc.ca)*

*PREOC Fax 604.586.4083*

*24 Hour Emergency Reporting 1.800.663.3456*

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## South West Provincial Regional Operations Centre (SWE PREOC)

### SITUATION REPORT #3

#### Event: Atmospheric River

Date/Time Issued: 2021-11-16; 1630hrs

Task #: 223862

Operational Period: 2021-11-16

Primary PREOC Email: [preoc2.ops1@gov.bc.ca](mailto:preoc2.ops1@gov.bc.ca)

Primary PREOC Phone: 778-572-3962

Primary PREOC Fax: 604-586-4083

Overall Regional Situation: Static

Activated EMBC Staff: 11      Activated TEAMS: 6      Agency: 4      Other: 2

The next Situation Report will be issued: 2021-11-17 at 1530hrs

\*\* New information

### KEY PROVINCIAL INFORMATION

- The Southwest PREOC is activated to support communities affected by flooding and landslides caused by the Atmospheric River
- Major flooding in the Vancouver Island, Southwest and Central areas of the province from 2021NOV14 onward have caused property and content damages. As a result of the damages sustained from this event, provincial Disaster Financial Assistance (DFA) has been authorized for qualifying claimants, such as home owners, residential tenants, small business owners, farmers, charitable organizations and local government bodies, who were unable to obtain insurance to cover these disaster-related losses. See attachment for more information
- The Southwest PREOC is assisting the District of Hope in accessing critical supplies. Hope estimates they are supporting 1100 evacuees for meals and lodging

#### Environment Canada

- Rain/Wind and Snowfall Warnings
  - All rain, wind, and snowfall warnings for the SWE areas have ended

#### River Forecast Centre

- As of 7:45 am November 16th, the River Forecast Centre is maintaining the following advisories:
  - Sumas River and areas around the US Border – Flood Warning (MAINTAINED)
  - Fraser Valley including surrounding tributaries – Flood Watch (MAINTAINED)
  - Fraser Canyon tributaries, including tributaries around Hope – Flood Watch (MAINTAINED)
  - Coquihalla River – High Streamflow Advisory (DOWNGRADED)
  - Chilliwack River – High Streamflow Advisory (DOWNGRADED)
- The River Forecast Centre is ending a Flood Watches and High Streamflow Advisories for:
  - Sea-to-Sky – ENDED
  - Howe Sound – ENDED
  - North Shore Mountains – ENDED
  - Sunshine Coast – ENDED
  - Metro Vancouver - ENDED

The atmospheric river that impacted southern British Columbia over the weekend and Monday has now moved out of the region. Throughout the region river levels have reached their peak levels and have receded overnight Monday and early on Tuesday. Flows and water levels remain high in lake and reservoir-fed watersheds along the Fraser Valley, including the Allouette River and Harrison River. Low-lying terrain around the Sumas River drainage are also expected to

have persistent high-water. Generally dry conditions are expected over the next few days. River levels are expected to continue to recede on Tuesday and through the week

- The next Coordination Call will be 2021NOV16 @ 0900hrs
- **Total Active RCs: 3**
- **Total Active Alerts: 10**
- **Total Orders: 10**
- **Total States of Local Emergency: 5**
- **Total Band Council Resolutions: 0**

#### WEATHER FORECAST FOR – 2021NOV16

##### Abbotsford

Wednesday AM	A mix of sun and cloud. Becoming cloudy near noon. High 6
Wednesday PM	Cloudy with 60 percent chance of showers. Low plus 3
Thursday AM	Cloudy with 60 percent chance of showers. High 7
Thursday PM	Cloudy with 60 percent chance of rain showers or flurries. Low plus 1

##### Pemberton

Wednesday AM	A mix of sun and cloud. Becoming cloudy in the morning. Wind up to 15 km/h. High zero. Wind chill minus 5 in the morning
Wednesday PM	Cloudy. Low minus 3
Thursday AM	Cloudy. High plus 3
Thursday PM	Cloudy periods. Low minus 2

#### FIRST NATIONS

##### Chawathil First Nation:

- **Incident:** Flooding
- EOC activated for flooding. 1 home is flooding and material is sliding off of bluffs around the community

##### Kwikwetlem First Nation:

- **Incident:** Flood Alert
- Put on flood alert from BC Hydro Dams
- EOC activated 2021NOV15

##### Leq'á:mel First Nation:

- **Incident:** Flooding
- Virtual EOC activated 2021NOV15 due to flooding and 1,000 sandbags requested

##### Lower Stl'at'imx (LSTC):

- **Incident:** Heavy rain caused multiple landslides closing roads and affecting power to Douglas, Samahquam, and Skatin
- Approximately 60 households are without power in Samahquam and Skatin
- LSTC has spoken to FLNRO, BC Hydro, and Lizzie Bay/IRM to coordinate efforts to restore power and access. FLNRO and BC Hydro will have assessment crews out first thing 2021NOV16 to begin the repair/reconnection of power lines and routes
- In-SHUCK-ch FSR - Road access to north to Pemberton has not been established for all communities

#### **Lytton First Nation/Camp Hope**

- **Incident:** Activated in support of evacuees located at Camp Hope. Additional accommodation may be available at Camp Hope

#### **Matsqui First Nation:**

- **Incident:** Localized flooding on IR 2 and IR 4
- Requested sandbags and sand due to localized flooding on IR 2 and IR 4

#### **Peters First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV14 for flooding

#### **Seabird Island**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding
- Band office and gym have opened as warming station for travellers stranded by highway closures. Seabird Island Band – 2895 Chowat Rd, Agassiz

#### **Shsw'ow'hamel First Nation**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding

#### **Skawahlook First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding

#### **Soowahlie First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding
- Currently no power or water due to flooding activity since 2021NOV14

#### **Squamish First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding

#### **Sts'ailes First Nation:**

- **Incident:** Flooding
- Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags

#### **Sumas First Nation**

- **Incident:** Flooding
- EOC activated 2021NOV16 for flooding

### **LOCAL AUTHORITIES**

#### **Abbotsford:**

- **Incident:** Heavy rainfall has resulted in several localized mudslides and flooding
- **Alerts:** 8
  - Issued 2021NOV15 for Sumas Prairie: The Southern Rail Line to the West, Whatcom Road to the East, Highway 1 to the North, United States Border to the South (1700 Homes)

- Issued 2021NOV14 for Matsqui Village: Grace Road North to the Matsqui Slough (12 Homes)
- Issued 2021NOV14 for Clayburn Area: Clayburn Village and surrounding area (30 Homes)
- Issued 2021NOV14 for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place (12 -15 Homes)
- Issued 2021NOV14 for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road (30 Homes)
- Expanded 2021NOV15 for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road; Westside of Sumas Way to West of Riverside Road, East of Sumas River Dike to Boundary Road (140 Homes)
- Expanded 2021NOV15 for Straiton Areas: Dawson Road East of Sumas Mountain Road, Straiton Road between Old Clayburn Road and Sumas Mountain Road (60 Homes)
- **Homes Alerted:** 1,987
- **Orders: 2**
  - Issued 2021NOV15 (2 Orders) for Straiton Road (7 Homes, 15 homes)
  - Expanded 2021NOV16 for Sumas Prairie including the area bordered by: Sumas Mountain, DeLair Road and Old Yale Road to the North, The USA Border to the South, Chilliwack City border to the East, The Ridge West of Railway Road to the West (1119 Homes)
- **Homes Ordered:** 1,141
- **State of Local Emergency: 1** – issued 2021NOV15 and expires 2021NOV23 at midnight
- **Reception Centre(s): 1**, Abbotsford Recreation Centre (ARC), 2499 McMillan Road
- **Individuals Registered with ESS:** unknown
- Currently focused on evacuation orders and alerts expanded to include both the east and west sides from the of the dike at Sumas River
- The dike at the Sumas River is at spill levels and the City has a contractor reinforcing the dike at specific locations and have changed their strategy from riprap to block for better stability and less resources to construct
- Utilizing SAR resources, RCMP and Fire to deliver notices to impacted homes
- Mutual Aid is being requested from the local SAR teams
- Reception Centre is located at the Abbotsford Recreation Centre (ARC) 2499 McMillan Road for any residents displaced due to the flooding and/or landslide events currently occurring
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to [Local Government website](#) for list of closures

#### **Bowen Island:**

- **Incident:** Flooding
- EOC activated 2021NOV15 due to flooding

#### **Chilliwack:**

- **Incident:** Heavy rainfall has resulted in several localized mudslides and flooding causing travellers to be stranded
- **Alerts: 1**
  - Issued 2021NOV16 Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road
- **Orders: 2**
  - Issued 2021NOV16 at 0930hrs for Yarrow, from Boundary Road to Browne Road, and all of Majuba Hill
  - Issued 2021NOV15 at 1230hrs for 4 properties on Yale Road and 3 properties on Chartwell Drive
- **State of Local Emergency:** 1, issued 2021NOV15 expires 2021NOV22 at midnight
- **Reception Centres:** 2 (Chilliwack Senior Secondary, 46363 Yale Road)
- On 2021NOV15 a State of Local Emergency was declared for areas of the 47000 block of Yale Road and the 47000 block of Chartwell Drive
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to Local Government website for list of closures

#### Delta:

- **Incident:** Heavy rain caused localized flooding throughout areas of Delta
- EOC Activated in response to issues related to flooding and high winds
- Working to mitigate localized flooding and support critical infrastructure (drainage stations)
- Working to restore communications (internal and external) to full capacity
- Continuing to monitor and support drainage stations

#### Fraser Valley Regional District:

- **Incident:** Heavy rainfall causing overland flooding and mudslides
- **Alerts: 1**
  - Issued on 2021NOV15 at 1530hrs for Chilliwack River Valley, FVRD Electoral Area "E" for 7 properties on Obyrne Road
- **Homes Alerted: 7**
- **Orders: 5**
  - Issued 2021NOV15 at 1630 for Cultus Lake, FVRD Electoral Area "H" for 17 properties on Lakeshore Drive
  - Issued 2021NOV15 at 1230hrs for Chilliwack River Valley Electoral Area "E" for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road
  - Issued 2021NOV15 at 0915hrs for Othello Road, FVRD Electoral Area "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road
  - Issued 2021NOV14 at 1130hrs for Bridal Falls Area, FVRD Electoral Area "D" for 1 property on Bridal Falls Road (24 people)
  - Issued 2021NOV15 at 0030hrs for Chilliwack River Valley, FVRD Electoral Area "E" for 4 properties on Auchenway Road
- **Homes Evacuated:** to be confirmed
- **State of Local Emergency: 1** - declared 2021NOV14 at 2230 for all Electoral Areas of the FVRD to remain in force until 2021NOV21 at midnight
- **Reception Centre(s):** (Abbotsford Recreation Centre, 2499 McMillan Road, Abbotsford; Hope Grace Baptist Church, 949 3rd Avenue, Hope; Chilliwack Secondary School 46363 Yale Road, Chilliwack)
- **Individuals Registered with ESS: 11**
- Leisure Valley at Columbia Valley Road, Area H is affected. The local Fire Department is doing a tactical evacuation as needed and overseeing site works to stabilize the scene. The Bell Grove Creek has washed out the shoulder of Columbia Valley Road
- Preliminary Geotechnical Assessment received for Bridal Falls Road shows that the unsafe area extends beyond our current evacuation order area. The Evacuation order will be expanded to include the unsafe lands. All residents willing to evacuate have been evacuated already
- Chilliwack River Valley beyond Edwards Road flooded. MoTI Contractor working on the washout.
- Security in place for Chilliwack River Valley Road, Wilson Road evacuation order
- Taylor Rd: Attended today by Hydrotechnical Engineers to assess the situation. assessment is that there is a section of road/dike that requires immediate attention to be rebuilt. There is no threat of flooding/breaching, however, the structure could fail further which would be a danger to anyone travelling the road/dike. Discussions with Leqamel have indicated that they wish for the FVRD's EOC to coordinate this
- Elbow Creek: Hydrotechnical Engineers assess the situation. Their assessment reported that the seepage experienced yesterday was due to the high water levels but that the dike was not showing any signs of failure and that no further work is required
- 1,000 sandbags have been sent to Chilliwack River Valley. 4,000 sandbags remaining on Gibson Road, Chilliwack
- Damage assessment required at Hope Recreation Centre
- There has been an approximately 50 ft. mudslide in the Bridal Falls area, which has led to an evacuation order at Camperland RV Resort & Cabins on Bridal Falls Rd. in FVRD Electoral Area D. Approximately, 24 people were evacuated
- Four (4) properties have been evacuated at Auchenway Road in Chilliwack River Valley in FVRD Electoral Area E



- The water level at Wilson Road dike in Chilliwack River Valley is approximately 1m below the crest. Operations crew are monitoring the water levels at the dike. The dike is approx. 900m and protects 20 properties and Chilliwack Lake Road. The dike is actively eroding and at risk of overtopping
- Jones Creek water levels are high. A local resident has been providing updates regarding the creek levels. The creek has eroded the banks and is approximately 8ft. away from the structure. The Laidlaw Bridge requires monitoring through MoTI

#### **Village of Harrison Hot Springs:**

- **Incident:** Flooding along the Miami Slough
- **State of Local Emergency: 1** – declared 2021NOV15 for the Village of Harrison Hotsprings and expires 2021NOV22 at midnight
- EOC activated on 2021NOV15 due to localized flooding along the Miami Slough
- Maintaining pumps at maximum capacity
- Delivering sand and sandbag for public use
- Informing public to minimize toilet and other sewage use (laundry, washing machines, etc)
- Continuing to monitor water levels and deploy additional pumps if required
- Flooding on Highway 9 Harrison Hot Springs Road & McPherson Road. Limited ability to traverse due to water on road

#### **District of Hope:**

- **Incident:** Multiple people stranded by highway closures
- **Reception Centre(s):** 2, 71731 Meadow Road, Fraser Valley B, BC and Hope Grace Baptist Church – 949 3<sup>rd</sup> Ave. Hope
- **Individuals Registered with ESS:** unknown
- Currently no food in town due to no power. Stores/restaurants closed
- Meal flown in via helicopter 2021NOV16 and provided by Salvation Army
- The EOC was relocated to the Hospital

#### **District of Kent:**

- **Incident:** Landslide threatening people and property along Rockwell Drive
- **Orders:** 1, Issued on 2021NOV15 for Rockwell Drive, Rockwell Lane, Rockwell Place, Pirates Lane, Thunderbird Crescent, and Dogwood Lane
- **State of Local Emergency: 1** – declared 2021NOV14 for Rockwell Drive and expires 2021NOV21 at midnight
- **Homes Evacuated:** 6
- **Reception Centre(s):** 2, (Riverside Christian Reformed Church, 7452 Morrow Road; Agassiz Agricultural Hall, 6800 Pioneer Avenue (for evacuees from the Hwy #7 slides))
- **Individuals Registered with ESS: #**
- Multiple landslides on Rockwell Drive (6500, 6900 and 7000 blocks). A tactical evacuation of 6 properties was performed on 2021NOV14
- **Incident:** Hwy 7 landslide
- Multiple landslides have trapped approximated 150 people on Hwy 7 at Seabird Bluffs
- 12 people were rescued from the Hwy 7 incident overnight
- Canada Task Force 1 is on scene supporting the response from the Agassiz Fire Department
- A culvert is blocked on Chaplin Road (Seabird Island) causing significant water backup onto Kamp Road
- Flood pumps at Hammersley Pump Station overheated and shut down
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to Local Government website for list of closures

#### **Langley, Township of:**

- **Incident:** Mudslide threatening people and property
- **Homes Evacuated: 1**
- **Individuals Registered with ESS: 2**
- Rainfall caused wide spread flooding on public and private property, as well as parks and trails, and sewer lift stations
- Multiple roads impacted due to flooding
- Engaging geotechnical and structural consultants to assist with slope failures locations when safe to do so
- A mud slide has occurred at 7800 block of 264th Ave. in Langley. The Township is on scene assessing the damage
- 2 adults have been provided 1 night accommodation

#### **Maple Ridge:**

- **Incident:** Localized flooding
- EOC activated in response to localized flooding due to the Alouette River
- Monitored South Alouette, North Alouette flows and Fraser River as well as SSO's
- Confirming BC Hydro's release rate and adjusting response as per BC Hydro's predicted spill volumes
- Completing visual inspections along South and North Alouette River
- Continuing to monitor South Alouette River levels

#### **Metro Vancouver Regional District:**

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding
- Liquid Waste Services is reporting 8 sewer overflows, and all Wastewater Treatment Plants have had power restored and are operating normally, and within the regulated requirements. Cariboo Dam has been able to manage flows through the Still Creek drainage system throughout the event with minor flooding
- Water Services is monitoring its Dams and is managing turbidity concerns
- Regional Parks currently have 6 parks closed due to flooding conditions, and power has been restored to all locations interrupted 2021NOV15
- Solid Waste Services is reporting all Recycling & Waste Facilities are reopened to full operations. Coquitlam Landfill had an overflow of surface water, which has since been contained and repairs are ongoing to the berm that was damaged
- Gaining situational awareness of impacted infrastructure. Assessing damages and planning for repair or mitigation strategies as required
- **Road Closures:**
- 56th Ave @ 176th Street, Surrey – Partial lane closure
- Blundell & Gilbert, Richmond - Alternating traffic (local traffic only)

#### **Mission:**

- **Incident:** Localized flooding and mutual aid
- EOC activated due to localized flooding and to provide mutual aid to Abbotsford
- Public works reports several roads have been reopened. A number are still closed or are single lane due to flooding
- Two residences on King Avenue are isolated due to complete road wash out
- Planning/preparing to open RC in Mission if required to support ESS flood response if required

#### **New Westminster:**

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding

#### **Pemberton:**

- **Incident:** Flooding
- EOC activated 2021NOV15 due to flood activity
- Heavy rainfall caused significant flows in Pemberton Creek and the Arn Canal causing localized flooding in low-lying areas

- The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding
- A sandbag station has been set up at Municipal Hall
- Pumping at the Peaks and Pioneer Junction is ongoing.
- One Mile Lake Park, the Boardwalk and trails have been closed due to high water
- Pemberton Fire Rescue was dispatched to assist with pumping in residential areas
- PVDD to continue to monitor rivers, provide ongoing updates, expertise and operational recommendations
- Continuing to liaise with Lil'wat, SLRD and PVDD and relevant agencies to coordinate response

#### **Pitt Meadows, City of**

- **Incident:** Heavy rainfall has resulted in multiple roads flooding
- Localized flooding throughout Pitt Meadows. Some areas inundated with water, some roads have been closed and/or have signage placed to be cautious of flooding
- Hammond Road/Airport Way both have localized flooding. Traffic control on scene.
- Dike inspections started
- Inundation mapping from Alouette Dam are being reviewed as they have a freecrest spill peaking around 2400 hr 2021NOV15 at 160 cms. The Pitt River is at high tide for a couple of days
- Alouette River alert notice sent to City Agricultural Advisory Committee
- Determining flood spill conditions and possible scenarios from the Alouette Dam
- Notification to some properties along the Alouette/Pitt Rivers
- Notice to be delivered to property on 224th Ave in regard to potential hazards/flooding due to the freecrest spill from the Alouette Dam

#### **Port Coquitlam:**

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding
- High river flows and potential overflow of banks and surrounding land. Drainage infrastructure at maximum capacity. No disruption in solid waste collection. Pump stations at maximum capacity and experienced pump failures
- Closures: Gates parking lot, Traboulay Trail from dog park to Patricia food bridge, Burleigh - Kingsway to Chine

#### **Squamish Lillooet Regional District:**

- **Incident:** Flood threat to properties
- **Alerts:** 0
- EOC activated 2021NOV15 due to flood threat to properties and water levels continue to rise
- The evacuation alert issued on 2021NOV15 for Tunnel Station/Upper Paradise Valley – Electoral Area D was rescinded 2021NOV16
- On 2021NOV15 Pemberton Fire Rescue Service advised the SLRD EOC that a mudslide occurred in the vicinity of 1773 Reid Road, inundating the road approx. 1m deep due to a steep creek debris flow
- MFLNRORD geotechnical assessment requested for 2021NOV16

#### **Squamish District**

- **Incident:** Localized flooding due to heavy rainfall. Waste Treatment Plant overflowing
- EOC activated 2021NOV15 due to localized flooding concerns
- Wastewater Treatment Plant is overflowing within the District of Squamish

#### **Sunshine Coast Regional District**

- **Incident:** Localized flooding due to heavy rainfall
- EOC activated 2021NOV15 due to localized flooding on Day Road in Roberts Creek
- Stormwater flooding and erosion has impacted public services (drinking water, fire flows, roads, transit, wastewater treatment, parks) in 35+ locations, regionally. Fortis reports exposed gas line at Stephens Road and Lower Road and are preparing for re-routing and/or shutoff.

- Working to protect water supply/infrastructure for public health and fire flow (Chapman Creek main, water mains, McNeill Lake dam, Grantham's pump station)
- Working to protect public health / manage impacts of WWTP failure (notifications)
- Addressing current areas of no road access (washout occurred)
- Addressing potential areas of no road access (impending washout)
- Promoting public safety (park closures, awareness of issues/avoid unnecessary travel)
- Boil water advisories issued (2021NOV15 at 1330)

#### **Surrey:**

- **Incident:** Localized flooding
- EOC activated 2021NOV15 due to localized flooding

#### **Whistler:**

- **Incident:** ESS host community
- Providing support to two evacuees who are unable to return home due to the mudslides

#### **AGENCIES**

##### **Ministry of Transportation and Infrastructure (MoTI):**

- MoTI South Coast Region has activated their Ministry Operations Centre and District Operations Centre

#### **HEALTH INFORMATION**

**No impacts reported**

#### **LIVE STOCK IMPACTED**

**No impacts reported**

#### **TRANSPORTATION IMPACTED**

##### **Drive BC**

Highway 1 Both Directions - Highway 1, in both directions. Mudslide between Annis Rd and K St for 38.4 km (Hope to 2 km east of Chilliwack). Road closed. Estimated time of opening not available. Assessment in progress

Highway 1, in both directions. Flooding between Flood Hope Rd and Junction Hwy 8 for 144.3 km (Hope to Spences Bridge). Rockslide. Road closed. Assessment in progress. Estimated time of opening not available

Highway 1, in both directions. Flooding between Exit 90: McCallum Rd and Exit 109: Yale Rd for 20.1 km (Abbotsford to Chilliwack). The road is closed. Estimated time of opening not available. Assessment in progress

Highway 3 Both Directions - Highway 3, in both directions. Mudslide at Sunshine Valley (17 km east of Hope). Road Closed. Assessment in progress. Estimated time of opening not available

Highway 5, in both directions. Mudslide at Exit 202 (11 km south of Great Bear Snowshed). Road closed. Assessment in progress. Estimated time of opening not available. Detour not available. Road closed between Hope and Merritt

Highway 7 Both Directions - Highway 7, in both directions. Mudslide between Johnson Slough Rest Area and Ruby Creek Rd (Kent). Road closed. Assessment in progress. Detour not available

Highway 7, in both directions. Mudslide between Johnson Slough Rest Area and Ross Rd for 12.6 km (Kent to 1 km east of Hope). Road closed. Assessment in progress. Detour not available

Highway 7 Both Directions - Highway 7, in both directions. Mudslide between Highlands Blvd and Bodnar Rd (Kent). Flooding. Road closed. Assessment in progress. Estimated time of opening not available

Highway 11, in both directions. Flooding between Hazelwood Ave and Townshipline Rd for 2.9 km (Abbotsford). Road closed

Highway 11, in both directions. Flooding between Vye Rd and Delair Rd for 2.0 km (Abbotsford). The road is closed. Estimated time of opening not available. Watch for traffic control

Highway 12, in both directions. Mudslide between Six Mile Rd and Kirbys Flat Rd for 0.2 km (27 to 26 km north of Lytton). Road closed. Geotechnical investigation

Highway 12, in both directions. Mudslide between Fountain Creek Rd and 30 Mile Rd for 2.0 km (15 to 17 km south of Lillooet). Road closed. Assessment in progress

Highway 99, northbound. Flooding between Blundell Rd and Exit 36: Westminster Hwy (Richmond). Road closed. Traffic is being rerouted onto Westminster Highway

Highway 99, in both directions. Mudslide between Lil'wat Pl and Seton Lake Rd for 81.9 km (9 km north of Pemberton to Lillooet). Road closed. Estimated time of opening not available. Assessment in progress

King George Blvd., northbound. Bridge closed at Nicomekl Bridge. Assessment in progress. Please use alternate route

#### UTILITIES IMPACTED

##### BC Hydro

- 2021NOV16 update - There are currently 716 customers without power within the Lower Mainland and Sunshine Coast remain without power due to flooding, mud/snow slides and trees down on wires
- **For more information:** <https://www.bchydro.com/power-outages/app/outage-list.html>

##### - BC Hydro Alerts

- Stave Falls and Ruskin Dams Spill Notification – 2021NOV16, at approximately 1315hrs decrease will commence at the Ruskin Dam & Stave Falls Dam as inflows are decreasing. Ruskin Dam Spill will decrease from 1400 cubic meters per second (cms) to a flow of 500 cms. Stave Falls Spill will decrease from 1350 cubic meters per second (cms) to a flow of 500 cms.
- Wahleach Dam (Jones Lake) Spill Notification – Notification of planned spill release. Lower Jones Creek water levels will rise and may approach bankfull conditions, but no major flooding is expected. The current reservoir elevation is 642.31m. The current release is ~50 cms (cubic meters per second). Forecast spill is reducing, reservoir lowering. The reason for spill inflows event and plant outage
- 2021NOV16 The previously declared flood alert, # ALU\_01\_2021, downstream of Alouette Dam has been rescinded
- 2021NOV16 the previously declared flood alert # WAH\_01\_2021 downstream of Wahleach Dam has been rescinded
- 2021NOV16 the previously declared flood alert # CMS\_01\_2021 downstream of Cheakamus Dam has been rescinded

##### Enbridge Inc.

- Due to heavy rainfall and increasing river flows, Enbridge has shut down a segment of 30-inch natural gas pipeline in the Coquihalla river valley on the morning of 2021NOV16 as a precautionary measure. The 36-inch natural gas pipeline remains in operation.
- Continuing to monitor the situation and will take further action should they become necessary.

#### USEFUL LINKS/RESOURCES

[EMBC Current Flooding Information](#)

[River Forecast Centre](#)

[Drive BC](#)

[Environment Canada](#)

[Avalanche Canada Weather Forecast](#)

[BC Hydro](#)

[Disaster Financial Assistance Website](#)

**APPROVED BY:**

*Original signed by*

Debbie Alexander

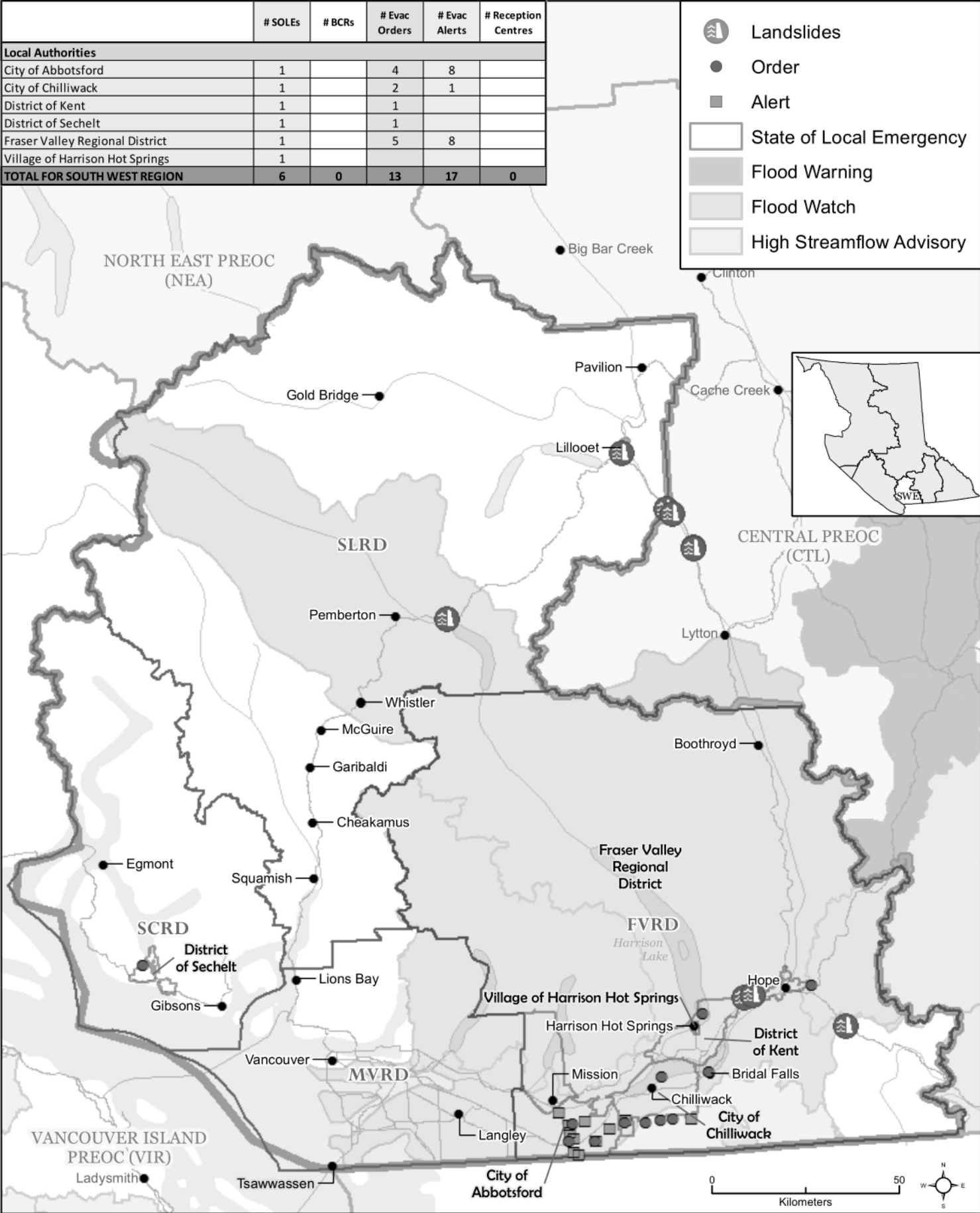
**PREOC Deputy Director**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for public information. If you wish you use contained information for a media release, you must clear it with the PREOC Director.

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# South West (SWE) Provincial Regional Operational Centre (PREOC) Atmospheric River Events

2021-11-16



UPDATED 2021-11-16 Time: 16:24

File: W:\lmb\PEP\response\SWE\task223862\_ISC\_AtmosphericRiver\arcgisprojects\task223862\_sitmap\_8x11\_20211116.mxd

## **Province of BC's Disaster Financial Assistance Program - Key Information**

### What is DFA?

- Disaster Financial Assistance is a provincial program to help individuals and local governments recover from uninsurable disasters. DFA is administered by Emergency Management BC, part of the Ministry of Public Safety and Solicitor General.
- The purpose of DFA is to provide assistance to individuals for their principal residence and to help small business/farm owners when their livelihood is at risk. The DFA program operates under the *Emergency Program Act* and the ensuing Compensation and Disaster Financial Assistance Regulation. The DFA program is obliged to provide compensation in compliance with this legislation.
- DFA eligibility criteria, as defined in the Act and the Regulation, have been applied consistently and fairly throughout the province since 1995.

### When is DFA available?

- DFA is available in the event of a disaster in respect of which the minister, or designate, has determined that disaster financial assistance may be provided.
- When this determination is made, EMBC defines the eligible dates and geographic locations, notifies affected local governments, posts this information on its website, publishes information in local papers, and if requested attends community meetings.

### Who is eligible for DFA?

Local Governments and individuals in the private sector in the following categories are eligible:

#### Homeowner

- Must be for the residence that is occupied by the individual as their home, where the majority of their personal effects are located, and the residence for which they received the provincial Home Owner Grant or were entitled to receive this grant.

#### Residential Tenant

- Must be the residence that is occupied by the individual as their home and where the majority of their personal effects are located.

#### Small Business Owner

- Must be the owner of a business that is managed by the applicant on a day to day basis, is the owner's major source of income, has gross sales of less than \$1 million per year, and employs less than 50 people at any one time.



#### Farmer

- Must be the owner of a farm operation that is identified by the BC Assessment Authority as an agricultural operation, is owned and operated by a person whose full time employment is as a farmer, and is the means by which the applicant derives the majority of their income.

#### Charitable Organization

- Must be a not-for-profit charitable organization that provides a benefit or service to the community at large, has been in existence for at least 12 months, and is registered under the *Society Act*.

#### What is eligible for DFA?

- DFA can compensate individuals for 80% of eligible claims, after the first \$1,000 to a maximum claim of \$300,000.
- DFA is only for uninsurable losses and for losses where there is no other program offered by local, provincial, federal or international governments or agencies.
- DFA is available for essential items only. It provides or reinstates the necessities of life, including help to repair and restore damaged homes and to re-establish or maintain the viability of small businesses and working farms. Loss of land or damage to land (except for some farm land) is not eligible for DFA.
- Additional information about the DFA Program and specifics re eligible applicants, eligible losses and application process are available at:

Disaster Financial Assistance Website: <http://www.gov.bc.ca/disasterfinancialassistance>

## PECC Situation Report November 16, 2021

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From: EMBC PECC Operations 1 EMBC:EX <pecc.ops1@gov.bc.ca>  
To: Undisclosed recipients:  
Sent: November 16, 2021 8:49:10 PM PST  
Attachments: PECC\_SITREP\_16 Nov 2021 Overview Map.pdf, PECC\_SITREP\_16\_Nov  
2021\_RoadEventsMap.jpg, 21\_PECC SitRep\_Nov 16\_2021\_#2\_FINAL.pdf, PECC-  
SITREP\_16 Nov Overview Flood Notifications.pdf

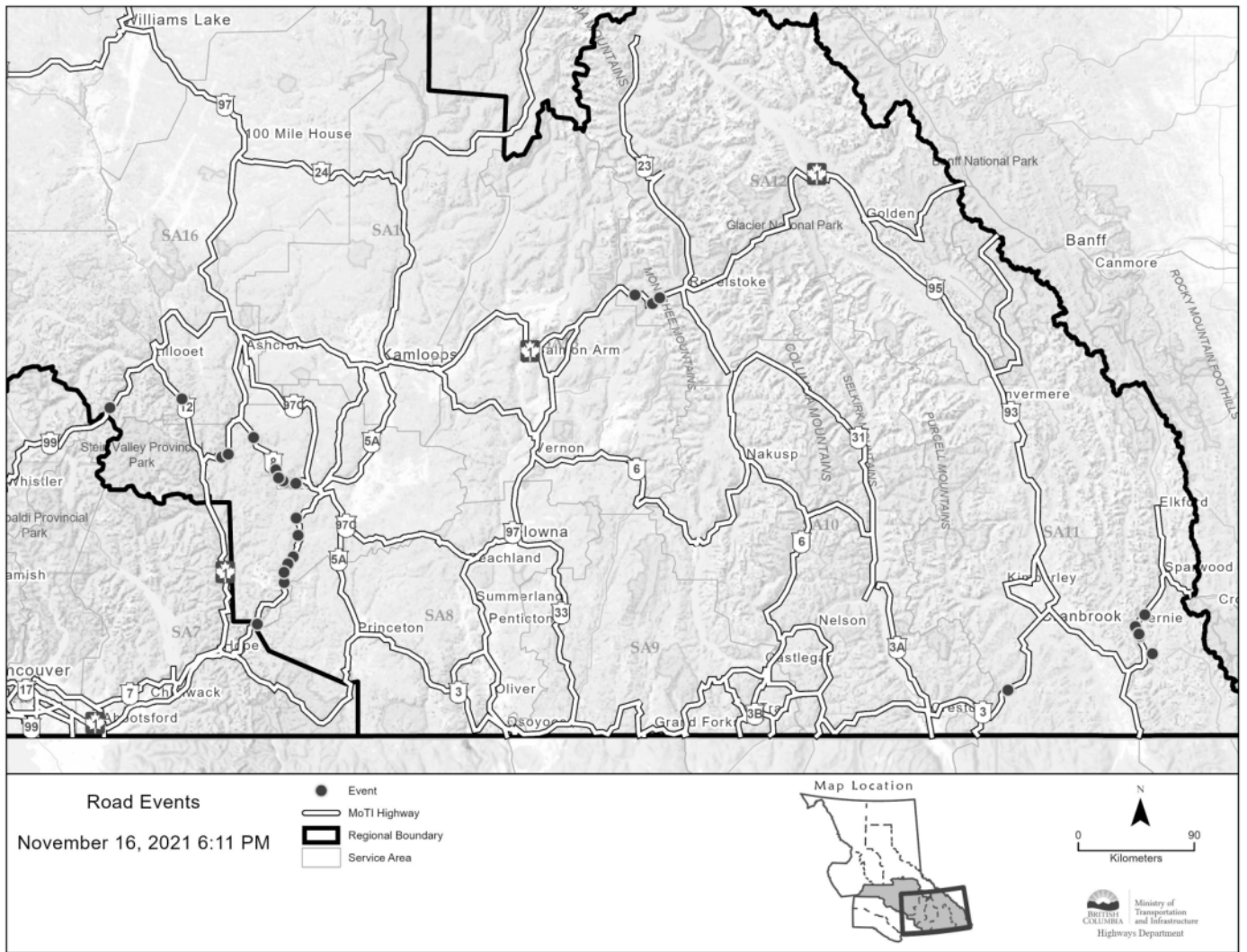
Please find attached, the situation report for the Provincial Emergency Coordination Centre for November 16, 2021.

**Martin Caldwell**  
**Operations Section Chief**  
**Provincial Emergency Coordination Centre (PECC)**

Emergency Management BC  
PO Box 9201 Stn Prov Gov  
Victoria, B.C. CANADA V8W 9J1

Ph: 778-698-8626 Fax: 250-652-0107

24 Hour Emergency Reporting 1-800-663-3456  
*Follow us on Twitter [@EmergencyInfoBC](#) and [@PreparedBC](#)*



Disclaimer : This information should not be relied on as an accurate source for legal use. It is intended to be used for general reference purposes only.

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**PECC ACTIVATION DAY NO. 2**

**NOVEMBER 16, 2021**

**Hazard(s): Atmospheric River Storm**

**Operational Period: November 16, 2021, 08:30 hrs to Closing**

**Next Sitrep will be issued: November 17, 2021**

**Primary PECC E-mail: [pecc.ops1@gov.bc.ca](mailto:pecc.ops1@gov.bc.ca)**

**Primary PECC Phone: 778-698-8617**

**Information current as of Nov 16, 2021 at 17:00h**

**\*New information is noted in blue font**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for external dissemination. If you wish to use information contained herein for release, you must clear it with the PECC Director.

**PROVINCIAL SITUATION**

The EMBC Provincial Emergency Coordination Centre (PECC) activated today in support of three Provincial Regional Emergency Operations Centres (PREOCs) and the impacts of the atmospheric river storm event that resulted in multiple flooding, landslide, mudslide, power outage and other incidents and human consequence impacts across the BC southern coastal and interior regions.

The storm damaged, blocked, and impacted multiple roadways, causing widespread road closures and stranding hundreds of motorists overnight on Nov. 14, 2021. Rescue efforts have continued throughout Nov. 16, 2021, and many stranded motorists have now been able to seek shelter and appropriate supports in nearby communities. However, several communities and First Nations remain isolated, and efforts are ongoing to provide accommodation and support. MOTI anticipates Highways 1,3, and 7 may be restored this week.

Travelers have also found themselves stranded in many areas of the province and the Province is following up to support them. Currently, in Hope 1,100 stranded travelers are receiving local support, with 900 of those in group lodgings. BCWS is working to move resources by air to support the relief efforts

Many First Nations and Local Authority communities have seen widespread flooding and power outages which have led to roadway closures, infrastructure impacts, evacuation orders and evacuation alerts. Current estimates suggest that there are approximately 17,775 people evacuated due to impacts from this storm event in BC, with 5,918 properties on Evacuation Order, and 3,632 properties on Evacuation Alert.

As a result of the severe weather events this week, EMBC has approved Disaster Financial Assistance (DFA) for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the province, including all First Nations communities, electoral areas, and municipalities within these areas.

**WEATHER OUTLOOK AND ALERTS**

This morning was largely dry, with a ridge of high pressure over the interior, bringing largely cold and dry conditions. This afternoon, mainly dry conditions were also expected, with only the Northwest mountain range seeing increasing cloud and precipitation ahead of an advancing warm front.

On Wednesday, it will remain dry provincially as the core of the high-pressure retreats into Alberta, but a secondary ridge still extends into the Columbias, maintaining clear conditions with gradually moderating temperatures.

Many of the weather watches and warnings in effect yesterday have now been rescinded by Environment Canada, with snowfall warnings and winter storm warnings remaining only for northern coastal BC.

### **RIVER FORECAST CENTRE (RFC) WATCHES AND WARNINGS**

Flow reductions are anticipated overnight tonight and for the remainder of the week.

#### **EMBC Central Region**

RFC is maintaining a Flood Warning for:

- Lower Nicola River
- Coldwater River

And has downgraded Flood Warnings to Flood Watches for:

- Similkameen River
- Tulameen River and tributaries

#### **EMBC Southwest Region**

RFC is maintaining Flood Warnings for:

- Coquihalla River
- Sumas River and areas around the US Border

And has maintained the following Flood Watches for:

- Fraser Canyon tributaries, including tributaries around Hope
- Fraser Valley

#### **EMBC Vancouver Island Central Region**

RFC has downgraded to High Streamflow Advisories for:

- Chemainus
- Englishman River
- Cowichan River
- Koksilah River

## HUMAN CONSEQUENCE IMPACTS

### PROVINCIAL SUMMARY

The following numbers reflect documents related to recent storm events, not pre-existing events, and should be considered approximate only.

	CTL	NWE	NEA	SEA	SWE	VIC	Totals
Band Council Resolutions	1						1
States of Local Emergency	7				4	2	13
Evacuation Orders	10				12	4	26
Properties on Order	3,290				2,581	47	5,918
Population on Order	9,750				7,803	222	17,775
Evacuation Alerts	7			1	5		13
Properties on Alert	3,368			10	254		3,632
Population on Alert	4,479			-	720		5,199

### EMERGENCY SUPPORT SERVICES (ESS)

- The Provincial ESS Call Centre is receiving a consistently high call volume and have extended their hours of operation.
- Commercial accommodation in Kamloops is limited and only those on Order are receiving commercial accommodation.
- Kelowna has some capacity and buses are transporting people from Kamloops to Kelowna if they need accommodation support.
- ESS HQ Staff are working to support Abbotsford who is seeking personnel support at their Reception and Group Lodging sites. Abbotsford is also engaged with Samaritan's Purse to support.

The total number of active ESS Reception Centres is reported to be approximately 20 (many of these communities are providing mutual aid as host communities) and some may be informal centres not seeking provincial support.

Known communities hosting Reception Centres include:

- Kamloops

- Kelowna
- Abbotsford
- Chilliwack
- Hope
- Agassiz
- Regional District Okanagan Similkameen/Penticton
- Salmon Arm
- Cowichan Valley Regional District

Reception Centre locations are posted publicly on Emergency Info BC.

## FLOOD IMPACTS

### INFRASTRUCTURE & TRANSPORTATION

- Highway Closures:
  - Highway 1 (Agassiz – Spences Bridge) – Major reconstruction will be required for Hwy1 (Tank Hill).
  - Highway 3 (Sunshine Valley) – Likely to be the first route to lower mainland opened.
  - Highway 5 (Hope – Merritt) - Major reconstruction will be required for the Hwy 5 bridge over Coldwater River.
  - Highway 7 (Maple Ridge – Hope) – Now cleared for emergency access to Chilliwack with progress towards Hope.
  - Highway 8 (Merritt to Spences Bridge) - Alternate route being established, expected opening for foot access is 2 days, vehicles 5 days.
  - Highway 11 (US border – Vye Road, Abbotsford).
  - Highway 99 (South of Lillooet) – freed travelers headed south towards Pemberton.
  - As of the evening of Nov. 15, 2021, all motorists are reported to have arrived in Hope
  - Further emergency supports are being planned for the Hope community and travellers stranded there for Nov. 16, 2021.
- CP Rail lines damaged through Fraser Valley
  - Understand no short-term impact to Lower Mainland critical supplies.
  - One train caught in Debris flow east/north of Spuzzum.
  - No injuries. Empty, no releases.
- Reports are being investigated of further mud and landslides events impacting District of Kent, Highway 1, and Abbotsford
- There have been multiple additional road closures throughout the day in the SWE, CTL and VIC regions, with impacts continuing in numerous locations across all 3 regions.
- For a complete list of highway and road closures, including ferry disruptions due to flooding, see [DriveBC](#).

### UTILITIES/ TELECOMMUNICATIONS

- BC Hydro
  - Restored service to 56k customers overnight.
  - Remaining: 13k in Thompson-Shuswap and Okanagan, 1k North Fraser
  - Limited access is delaying restoration for remaining clients.
  - Hope: Weather mitigation in progress, anticipate stable power for Hope today.
- Dams:
  - Receding inflows at all LML and Sea-to-Sky sites.

- Flows peaked 15th Nov. Flows are not significant to river levels.
- Walheach Dam continues to use spillway.
- Fortis BC:
  - Sunshine Coast at Roberts Creek distribution line and intermediate pressure line exposed in creek. Hydro line de-energized and FD on scene.
  - Halfmoon Bay distribution pressure line is exposed
  - A main distribution line at Princeton is impacted with up to 1200 customers possibly affected
  - Distribution line at Merritt is impacted but the full extent cannot be confirmed due to current high-water levels
  - Fraser Valley distribution line service in a farmer's field near Seabird Island is leaking and being isolated
- Telecommunications:
  - Bell cellular voice/data outages in the Fraser Valley and Northern Vancouver

## CROSS-MINISTRY AND AGENCY UPDATES

### HEALTH

- Power outages and road closures are impacting staffing and critical supply lines to health facilities and Long-Term Care and Assisted Living sites, particularly in the Hope area. Work is underway to supply relief physicians and pharmaceuticals to Hope Medical Centre, despite lack of road access.
- The water system has failed in Princeton causing the health facilities needed to be closed. IHA evacuating the 10 hospital and 38 residents from one care home.
- Princeton and Merritt: Long-term care, acute care, and assisted living patients evacuated.

### SAR BRANCH

The EMBC SAR Unit is activated in support of the evacuations due to floods.

**High Level SAR Activation Summary:** November 14/21 1300 – Nov. 16/21 1300:

- 37 SAR Incident(s) with 290 Public Safety Lifeline Volunteers (PSLVs) responded
- 21 Civil Emergency Response(s) with 266 PSLVs responded

#### **SWE SAR Group Updates:**

##### Hope

- Team is isolated due to road closures
- Team is rested

##### Chilliwack

- Working on clearing people from the Sumas prairie using boats and rafts
- Team is also isolated due to road closures

##### Coquitlam

- Team not directly affected by flooding
- Regional HET's team working with CFVSAR on the Sumas Prairie

##### South Fraser

- Team is rested and not directly affected by local flooding
- Mutual aid help to Central Fraser Valley SAR



#### Kent Harrison

- Team is isolated due to road closures. Only connection is with Chilliwack
- SAR trucks were caught behind a landslide but since then Rescue truck was recovered and other truck was left behind for transport to deliver evac notices

#### Central Fraser Valley

- Directly impacted by the flooding (Sumas prairie)
- Conducting evacuations on the Sumas Prairie

#### Mission

- Did a rescue of 6 subjects in their area due to road wash out
- Mutual aid help to CFVSAR for evacuation of the Sumas prairie

#### Ridge Meadows

- Team not directly affected by the flooding
- Team has the capability to provide mutual aid

#### CTL SAR Group Updates:

##### Princeton

- Team was exhausted as of November 15, Penticton provided coverage
- Community has been impacted by flooding waters. SAR Hall has been used for operations

##### Nicola Valley

- Municipality under Evacuation Order
- Response capacity is reduced, but no request for replacement
- Unable to deploy out of area, minimal resources available

##### Kamloops

- High operation temp November 11 – 15 created fatigue
- Response truck has been recovered

##### Vernon

- Winch is unavailable with no ETA of return
- Low in SAR Managers

### PROVINCIAL REGIONAL UPDATES

#### CENTRAL REGION (CTL)

**CTL PREOC** has activated in response to flooding.

#### KEY CTL REGIONAL INFORMATION

Total Active Alerts: 9

Total Orders: 14

Total States of Local Emergency: 5

Total Band Council Resolutions: 3

#### FIRST NATIONS

- Coldwater First Nation
  - Band Council Resolution.
  - IR #2 has been isolated and is without water and power.
- Cook's Ferry Indian Band
  - Band Council Resolution.

- One Alert for for IRs #2, 3, 4A, 4B, 4C, 5, 5A, 6, 8, 8A, 9, 10, 11, 11A, 16, 17, 18, 19, 20, 21 & 22.
  - Two Orders for #1 and IR#7.
- Lower Similkameen Indian Band
  - Band Council Resolution.
  - Chopaka bridges have been compromised and are closed in both directions.
  - One Alert for Chopaka IR #7/8; Similkameen IR #2, Alexis IR #9, Ashnola IR #10.
- Lytton First Nation
  - Community is without power.
  - Water system currently not operational.
- Nicomen Indian Band
  - Bridge has been washed out
- Nooaitch First Nation
  - Band Council Resolution.
  - Two bridges washed out.
  - Community is isolated.
- Shakan First Nation
  - Band Council Resolution Declared
  - Evacuation Order issued for IR# 11
- Skuppah Indian Band
  - George Rd washout has caused there to be no access to the water treatment plant.
  - IR #4 water intake has been washed out.
  - Currently relying on the remaining water supply in their reservoir.

#### **LOCAL AUTHORITIES**

- City of Merritt
  - State of Local Emergency Declared.
  - Evacuation Order Issued: Entire Community (approx. 7800 people), due to failure of sewage treatment plant (unsanitary conditions).
  - The wastewater treatment plant is down, with no estimated date for bringing it online
  - The water system is contaminated as a result of a well malfunction and the City has turned the water off.
  - Middlesboro Bridge has collapsed.
- Columbia Shuswap Regional District
  - Activated the EOC to a level one on November 15, 2021 in response to flooding and sandbag requests.
- Regional District Okanagan-Similkameen
  - EOC Activated
  - RDOS EAB – 1 Alert for low-lying properties along the Similkameen River. 1 order for 4 properties on Chopaka Road.
  - RDOS EAG – 1 Alert for low-lying properties along the Similkameen River, 1 order for properties Schedule 1.
  - RDOS EAH – 1 Alert for low-lying properties along the Similkameen River, 2 orders for the community of Coalmont.
  - RDOS – Keremeos – One Alert for low-lying properties along the Similkameen River within the Village of Keremeos.
- Thompson Nicola Regional District

- TNRD – Nicola - Reports of stranded residents at risk along Highway 8. RCMP requested to assist with wellness checks and determine if evacuation is required.
- TNRD – One Alert issued for the following Electoral Areas:
  - Electoral Area “I” (Blue Sky Country)
  - Electoral Area “M” (Beautiful Nicola Valley – North)
  - Electoral Area “N” (Beautiful Nicola Valley – South)
- TNRD – Brookmere – 2 Orders for 51 properties in Brookmere and 2 properties in EAN.
- Town of Princeton
  - EOC Activated
  - State of Local Emergency declared.
  - 3 Evacuation Order Issued: Properties along the Tulameen River.
  - 2 Evacuation Alerts Issued: Properties along the Similkameen & Tulameen Rivers.

## SOUTHWEST REGION (SWE)

**SWE PREOC** activated today in response to flooding.

### KEY SWE REGIONAL INFORMATION

Total Active Alerts: 10

Total Orders: 10

Total States of Local Emergency: 5

Total Band Council Resolutions: 0

### FIRST NATIONS

- Chawathil First Nation
  - EOC activated for flooding. 1 home is flooding and material is sliding off of bluffs around the community
- Kwikwetlem First Nation
  - EOC activated for flooding.
  - Put on flood alert from BC Hydro Dams.
- Leq’á:mel First Nation
- Lower SStl’atl’imx (LSTC)
  - Approximately 60 households are without power in Samahquam and Skatin.
  - LSTC has spoken to FLNRO, BC Hydro, and Lizzie Bay/IRM to coordinate efforts to restore power and access. FLNRO and BC Hydro will have assessment crews out first thing 2021NOV16 to begin the repair/reconnection of power lines and routes
  - In-SHUCK-ch FSR - Road access to north to Pemberton has not been established for all communities.
- Matsqui First Nation
  - Band Council Resolution
  - Requested sandbags and sand due to localized flooding on IR 2 and IR 4.
- Peters First Nation
  - EOC activated due to flooding.
- Seabird Island
  - EOC activated for flooding.
- Shsw’ow’hamel First Nation
  - EOC activated for flooding.

- Skawahlook First Nation
  - EOC activated for flooding.
- Soowahlie First Nation:
  - EOC activated for flooding.
  - Currently no power or water due to flooding activity.
- Squamish First Nation:
  - EOC activated for flooding.
- Sts'ailes First Nation:
  - Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags.
- Sumas First Nation
  - EOC activated for flooding

#### **LOCAL AUTHORITIES**

- City of Abbotsford
  - State of Local Emergency declared
  - 2 Evacuation Orders Issued
    - Straiton Road (22 Homes)
    - Sumas Prairie including the area bordered by: Sumas Mountain, DeLair Road and Old Yale Road to the North, The USA Border to the South, Chilliwack City border to the East, The Ridge West of Railway Road to the West (1119 Homes)
  - 8 Evacuation Alerts Issued
    - Sumas Prairie: The Southern Rail Line to the West, Whatcom Road to the East, Highway 1 to the North, United States Border to the South (1700 Homes).
    - for Matsqui Village: Grace Road North to the Matsqui Slough (12 Homes).
    - Clayburn Area: Clayburn Village and surrounding area (30 Homes).
    - Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place (12 - 15 Homes).
    - Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road (30 Homes).
    - Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road; Westside of Sumas Way to West of Riverside Road, East of Sumas River Dike to Boundary Road (140 Homes).
- Bowen Island
  - EOC activated due to flooding
- City of Chilliwack
  - 1 Alert for Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road.
  - 2 Orders, Yarrow, from Boundary Road to Browne Road, and all of Majuba Hill and 4 properties on Yale Road and 3 properties on Chartwell Drive.
- Delta - EOC Activated in response to issues related to flooding and high winds
- Fraser Valley Regional District
  - State of Local Emergency Declared
  - 1 Alert for Chilliwack River Valley, FVRD Electoral Area "E" for 7 properties on Obyrne Road.
  - 5 Orders:
    - FVRD EA "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road.

- FVRD EA “D” for 1 property on Bridal Falls Road (24 people).
  - FVRD EA “E” for 4 properties on Auchenway Road.
  - FVRD EA “E” for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road.
  - FVRD EA “H” for 17 properties on Lakeshore Drive.
- Village of Harrison Hot Springs – EOC activated due to flooding in the Miami Slough.
- Town of Hope
  - Access from all Highways (1,3,5) cut off.
  - Significant power outages for much of the day (w/hospital on generator)
  - Currently no food in town due to no power. Stores/restaurants closed.
  - Meal flown in via helicopter 2021NOV16 and provided by Salvation Army.
- Delta
  - EOC Activated in response to issues related to flooding and high winds.
  - Working to mitigate localized flooding and support critical infrastructure (drainage stations).
  - Working to restore communications (internal and external) to full capacity.
- District of Hope
- District of Kent
  - 1 Orders for Rockwell Drive, Rockwell Lane, Rockwell Place, Pirates Lane, Thunderbird Crescent, and Dogwood Lane (6 homes).
- City of Langley – EOC activated
  - Rainfall caused widespread flooding on public and private property, as well as parks and trails, and sewer lift stations.
  - Multiple roads impacted due to flooding.
- Maple Ridge- EOC activated
- Metro Vancouver- EOC activated
- Mission - EOC activated
  - Two residences on King Avenue are isolated due to complete road wash out.
  - Planning/preparing to open RC in Mission if required to support ESS flood response if required.
- New Westminster – EOC activated.
- Pemberton – EOC activated.
  - The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding.
  - A sandbag station has been set up at Municipal Hall.
- Pitt Meadows
  - Determining flood spill conditions and possible scenarios from the Alouette Dam
  - Notification to some properties along the Alouette/Pitt Rivers.
- Port Coquitlam - EOC activated.
- Squamish Lillooet Regional District – EOC activated.
- Sunshine Coast Regional District – EOC activated.
  - Stormwater flooding and erosion has impacted public services (drinking water, fire flows, roads, transit, wastewater treatment, parks) in 35+ locations, regionally. Fortis reports exposed gas line at Stephens Road and Lower Road and are preparing for re-routing and/or shutoff.
- Surrey – EOC Activated.

## VANCOUVER ISLAND AND CENTRAL COAST REGION (VIC)

VIC PREOC activated today in response to flooding.

### KEY VIR REGIONAL INFORMATION

Total Active Alerts: 1

Total Orders: 4

Total States of Local Emergency: 4

Total Band Council Resolutions: 0

### FIRST NATIONS

- Halalt First Nation:
  - Band Council Resolution.
  - Flooding for 10 homes due to a watermain break and overland flooding.
- Snuneymuxw First Nation:
  - Evacuation Order Issued.
  - 25 evacuees (approximate).
- Penelakut First Nation:
  - 50 evacuees (approximate.)
- Cowichan Tribes:
  - Evacuation Order Issued.
  - 120 evacuees (approximate).
  - SAR doing door to door notifications. Evacuation orders and alerts in place.
- Pauquachin First Nation
  - Evacuation Order Issued

### LOCAL AUTHORITIES

- Cowichan Valley Regional District:
  - Major flooding event taking place in the Cowichan region due to heavy rainfall over the past 48 hours - Multiple road closures (incl. highway), restricting areas throughout the region, including within the boundaries of the Municipality of North Cowichan.
  - SOLE was issued at 1100 hrs on 2021-11-15 - 4 Evacuation Orders in effect - incl. CVRD, Cowichan Tribes, Halalt and Penelakut First Nations.
- Nanaimo Regional District:
  - States of Local Emergency in place.
  - 1 Evacuation Orders remains, 2 orders rescinded: Nanaimo River and Cedar Grove/Riverside/Waters Road.
- Capital Regional District
  - EOC Activated. Highway 1 in both directions reduced to single, alternating route on Malahat. Some localized power outages throughout the CRD. Water service in Fulford Harbour area down for 21 households.
- District of Sooke
  - EOC Activated.
- District of Highlands
  - EOC Activated.
- City of Langford

- EOC Activated.
  - 20+ properties on alert.
- Central Saanich
  - EOC activated
  - Localized flooding throughout the district. Supporting Public Works with the Brentwood Bay area, liaising with Saanich Peninsula Hospital with resources as needed and status update.

### **Key Internet Links:**

**Avalanche Canada Weather Forecast** [Drying out at last \(avalanche.ca\)](https://www.avalanche.ca/)

#### **Emergency Info BC**

<https://www.emergencyinfobc.gov.bc.ca>

**BC Hydro Outage Map** <https://www.bchydro.com/power-outages/app/outage-map.html>

#### **BC River Forecast Centre**

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/drought-flooding-dikes-dams/river-forecast-centre>

#### **Drive BC**

<https://www.drivebc.ca/mobile/events/index.html>

**Information about Disaster Financial Assistance is available on the DFA web site at**

<http://www.gov.bc.ca/disasterfinancialassistance>

**Environment Canada** [British Columbia - Weather Conditions and Forecast by Locations - Environment Canada](#)

### **APPROVED BY:**

Janet Adams  
PECC Deputy Director

**Note:** This document may be distributed within your agency. Any distribution outside your agency requires prior approval from the PECC Director

## **Fwd: BC Gov News - Minister's statement on flooding emergency in Sumas Prairie**

---

From: Richards, Tara R EMBC:EX  
To: Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>  
Sent: November 17, 2021 5:15:10 AM PST

Sent from my iPhone

Begin forwarded message:

**From:** noreply.newsondemand@gov.bc.ca  
**Date:** November 16, 2021 at 11:18:39 PM PST  
**To:** "Richards, Tara R EMBC:EX" <Tara.Richards@gov.bc.ca>  
**Subject:** BC Gov News - Minister's statement on flooding emergency in Sumas Prairie  
**Reply-To:** gcpe.news@gov.bc.ca

[banner](#)

### **Minister's statement on flooding emergency in Sumas Prairie**

Mike Farnworth, B.C.'s Minister of Public Safety and Solicitor General, has released the following statement:

► **READ MORE**

Emergency Preparedness, Government Operations, Public Safety and Solicitor General

[Manage your subscription](#)

[See more from BC Gov News](#)

Please do not respond to this message



## PECC Situation Report November 16, 2021 (Amended)

---

From: EMBC PECC Operations 1 EMBC:EX <pecc.ops1@gov.bc.ca>  
To: Undisclosed recipients:  
Sent: November 17, 2021 6:32:15 AM PST  
Attachments: PECC\_SITREP\_16 Nov 2021 Overview Map.pdf, PECC-SITREP\_16 Nov Overview Flood Notifications.pdf, 21\_PECC SitRep\_Nov 16\_2021\_#2\_FINAL(AMENDED).pdf, 21\_PECC SitRep\_Nov 16\_2021\_#2\_FINAL(AMENDED).docx  
Yesterday's Sitrep has been amended to ensure information accuracy, please disregard earlier version.

Jane O'Higgins-Wilson  
Planning Section Chief  
**Provincial Emergency Coordination Centre (PECC)**

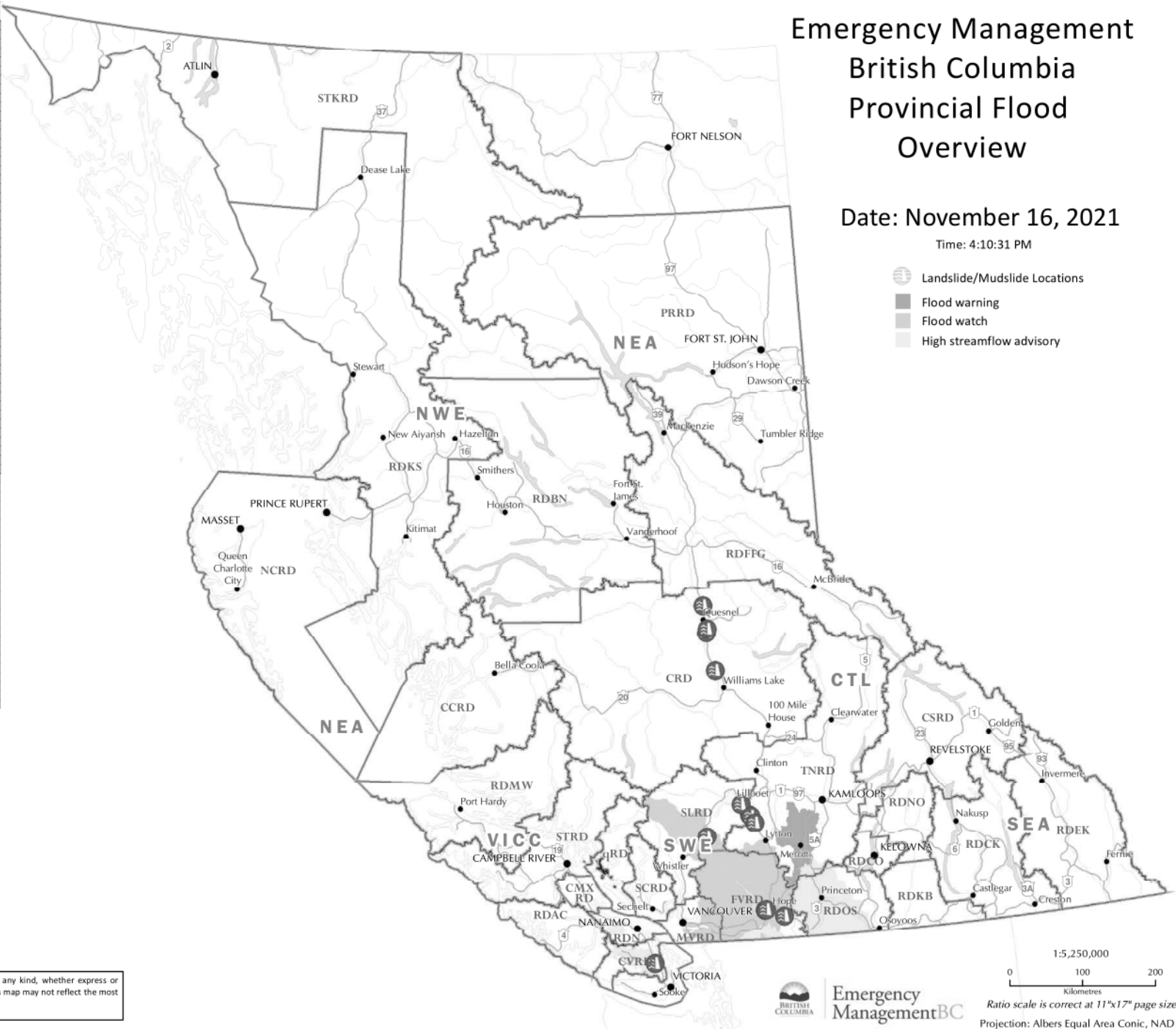
Emergency Management BC  
PO Box 9201 Stn Prov Gov  
Victoria, B.C. CANADA V8W 9J1

Ph: 778-698-8626 Fax: 250-652-0107

24 Hour Emergency Reporting 1-800-663-3456  
*Follow us on Twitter [@EmergencyInfoBC](#) and [@PreparedBC](#)*



Communities & First Nations Affected by Flooding - November 16, 2021	Communities & First Nations Affected by Flooding - November 16, 2021
Arnold	Nickelash 25
Ashnola 10	Nickelton 6
Aspen Grove	Nicola
Aylmerbrook 5	Nicomien 1
Barnston	Nlain 10
Basque	Nocton 19
Bonaparte 3	Nohomeen 23
Bootham 15	Noelich 10
Boston Flats	Noelich Grass 9
Brookmere	Norton
Cameron Bar 13	Nuautin 2
Canford	Nuautin 2A
Chagapen Creek 6	Nuautin 2B
Chakamas	Chagapen Creek 2
Chapala 7 & 8	Pagum 27
Churchman 5	Pagum 27A
Churchman 5A	Pagum Graveyard 27C
Cagerton	Paul's Basin 2
Collette	Peglog 3
Coulter	Peglog 3A
Coyls	Pittsah
Dot	Pokhietak 10
Douglas Lake	Prayett 3
Drynoch	Purkwa 14
Enhalt 11	Quilchena
Falls Creek	Sackum 3
Gilman	Salmon Lake 7
Grasslands 7	Schlaedon 16
Gulda 3A	Sneh 5
Gwen Lake 3	Seddali
Hahajaden 14	Semlin
Hahajaden 14A	Shawikan 4B
Hamilton Creek 2	Shelkash 7
Hay Meadow 1	Shuochten 15
Humbert 6	Saka Flat 5B
Humbert 6A	Siemecskuan 7
Inkluckchen 21	Siemecskuan 8
Inkluckchen 21B	Silpawet 4
Inkluckchen 2	Sloorka
Jazepda 2	Woonkoon 2
Kanaka	Skupah 2A
Kanaka Bar	Skupah 2B
Kanaka Bar 1A	Skupah 3A
Kanaka Bar 2	Skupah 4
Kipowah	Skupah 4A
Kittowit 20	Shawyer 26
Klakamich 17	Sleets 6
Klakowit 5	South Nepe 7
Kleefelut 22	Spahomin Creek 4
Kleefelut 22A	Spattum
Klickumcheen 18	Spattum 11
Kumcheen 1	Spences Bridge
Kupchmuth 1	Spences Bridge 4C
Kylnako 2	Spence 8
Laha	Sprinkum Flat 5
Lish-Leesh-Tum 17	Staljahanny 8
Logan's 6	Stryen 9
Lower Hat Creek 2	Stump Lake
Lower Nicola	Thompson
Lytton	Toketic
Lytton 13A	Toukan 12
Lytton 21A	Tunkah 8
Lytton 26A	Tunkah 24
Lytton 27B	Two Mile Creek 16
Lytton 31	Two Mile Creek 16A
Lytton 32	Umpupukatum 8
Lytton 33	Upper Hat Creek 1
Lytton 3A	Upper Nepe 5
Lytton 4A	Upper Sumas 6
Lytton 4B	Upper Tunkah 8A
Lytton 4C	Vye
Lytton 4D	Wahachin
Lytton 4E	Whyteek 4
Lytton 4F	Yarrow
Lytton 5A	Yawauch 11
Lytton 5B	Zohr 5
Maka 8	
Martel	
Mauvais Rocher 5	
McAlene	
Merritt	
Munroe	
Nanahout 1	
Nayikouth 13	
Nedkum 1	
Neskep 6	
Nesku 36	
Nickel Palm 4	



**Disclaimer:** This map and all of the information it contains are provided "as is" without warranty of any kind, whether express or implied. Flood, fire and/or COVID-19 information is updated as it is received. Information shown on this map may not reflect the most current flood, fire, or covid situation, and therefore should only be used for reference purposes.

X:\PEP\response\PEG\Task\_1\res\h\ang\projects\EMBC Provincial Overview Flood Notifications 2021\1116.mxd



Emergency  
ManagementBC

1:5,250,000  
0 100 200  
Kilometres  
Ratio scale is correct at 11"x17" page size.  
Projection: Albers Equal Area Conic, NAD 83



**PECC ACTIVATION DAY NO. 2**

**NOVEMBER 16, 2021**

**Hazard(s): Atmospheric River Storm**

**Operational Period: November 16, 2021, 08:30 hrs to Closing**

**Next Sitrep will be issued: November 17, 2021**

**Primary PECC E-mail: [pecc.ops1@gov.bc.ca](mailto:pecc.ops1@gov.bc.ca)**

**Primary PECC Phone: 778-698-8617**

**Information current as of Nov 16, 2021 at 17:00h**

**\*New information is noted in blue font**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for external dissemination. If you wish to use information contained herein for release, you must clear it with the PECC Director.

**PROVINCIAL SITUATION**

The EMBC Provincial Emergency Coordination Centre (PECC) activated today in support of three Provincial Regional Emergency Operations Centres (PREOCs) and the impacts of the atmospheric river storm event that resulted in multiple flooding, landslide, mudslide, power outage and other incidents and human consequence impacts across the BC southern coastal and interior regions.

The storm damaged, blocked, and impacted multiple roadways, causing widespread road closures and stranding hundreds of motorists overnight on Nov. 14, 2021. Rescue efforts have continued throughout Nov. 16, 2021, and many stranded motorists have now been able to seek shelter and appropriate supports in nearby communities. However, several communities and First Nations remain isolated, and efforts are ongoing to provide accommodation and support. MOTI anticipates Highways 1,3, and 7 may be restored this week.

Travelers have also found themselves stranded in many areas of the province and the Province is following up to support them. Currently, in Hope 1,100 stranded travelers are receiving local support, with 900 of those in group lodgings. BCWS is working to move resources by air to support the relief efforts

Many First Nations and Local Authority communities have seen widespread flooding and power outages which have led to roadway closures, infrastructure impacts, evacuation orders and evacuation alerts. Current estimates suggest that there are approximately 17,775 people evacuated due to impacts from this storm event in BC, with 5,918 properties on Evacuation Order, and 3,632 properties on Evacuation Alert.

As a result of the severe weather events this week, EMBC has approved Disaster Financial Assistance (DFA) for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the province, including all First Nations communities, electoral areas, and municipalities within these areas.

**WEATHER OUTLOOK AND ALERTS**

This morning was largely dry, with a ridge of high pressure over the interior, bringing largely cold and dry conditions. This afternoon, mainly dry conditions were also expected, with only the Northwest mountain range seeing increasing cloud and precipitation ahead of an advancing warm front.

On Wednesday, it will remain dry provincially as the core of the high-pressure retreats into Alberta, but a secondary ridge still extends into the Columbias, maintaining clear conditions with gradually moderating temperatures.

Many of the weather watches and warnings in effect yesterday have now been rescinded by Environment Canada, with snowfall warnings and winter storm warnings remaining only for northern coastal BC.

### **RIVER FORECAST CENTRE (RFC) WATCHES AND WARNINGS**

Flow reductions are anticipated overnight tonight and for the remainder of the week.

#### **EMBC Central Region**

RFC is maintaining a Flood Warning for:

- Lower Nicola River
- Coldwater River

And has downgraded Flood Warnings to Flood Watches for:

- Similkameen River
- Tulameen River and tributaries

#### **EMBC Southwest Region**

RFC is maintaining Flood Warnings for:

- Coquihalla River
- Sumas River and areas around the US Border

And has maintained the following Flood Watches for:

- Fraser Canyon tributaries, including tributaries around Hope
- Fraser Valley

#### **EMBC Vancouver Island Central Region**

RFC has downgraded to High Streamflow Advisories for:

- Chemainus
- Englishman River
- Cowichan River
- Koksilah River

## HUMAN CONSEQUENCE IMPACTS

### PROVINCIAL SUMMARY

The following numbers reflect documents related to recent storm events, not pre-existing events, and should be considered approximate only.

	CTL	NWE	NEA	SEA	SWE	VIC	Totals
Band Council Resolutions	1						1
States of Local Emergency	7				4	2	13
Evacuation Orders	10				12	4	26
Properties on Order	3,290				2,581	47	5,918
Population on Order	9,750				7,803	222	17,775
Evacuation Alerts	7			1	5		13
Properties on Alert	3,368			10	254		3,632
Population on Alert	4,479			-	720		5,199

### EMERGENCY SUPPORT SERVICES (ESS)

- The Provincial ESS Call Centre is receiving a consistently high call volume and have extended their hours of operation.
- Commercial accommodation in Kamloops is limited and only those on Order are receiving commercial accommodation.
- Kelowna has some capacity and buses are transporting people from Kamloops to Kelowna if they need accommodation support.
- ESS HQ Staff are working to support Abbotsford who is seeking personnel support at their Reception and Group Lodging sites. Abbotsford is also engaged with Samaritan's Purse to support.

The total number of active ESS Reception Centres is reported to be approximately 20 (many of these communities are providing mutual aid as host communities) and some may be informal centres not seeking provincial support.

Known communities hosting Reception Centres include:

- Kamloops

- Kelowna
- Abbotsford
- Chilliwack
- Hope
- Agassiz
- Regional District Okanagan Similkameen/Penticton
- Salmon Arm
- Cowichan Valley Regional District

Reception Centre locations are posted publicly on Emergency Info BC.

## FLOOD IMPACTS

### INFRASTRUCTURE & TRANSPORTATION

- Highway Closures:
  - Highway 1 (Agassiz – Spences Bridge)
  - Highway 3 (Sunshine Valley)
  - Highway 5 (Hope – Merritt)
  - Highway 7 (Maple Ridge – Hope)
  - Highway 8 (Merritt to Spences Bridge).
  - Highway 11 (US border – Vye Road, Abbotsford).
  - Further emergency supports are being planned for the Hope community and travellers stranded there for Nov. 16, 2021.
- CP Rail lines damaged through Fraser Valley
  - Understand no short-term impact to Lower Mainland critical supplies.
  - One train caught in Debris flow east/north of Spuzzum.
  - No injuries. Empty, no releases.
- Reports are being investigated of further mud and landslides events impacting District of Kent, Highway 1, and Abbotsford
- There have been multiple additional road closures throughout the day in the SWE, CTL and VIC regions, with impacts continuing in numerous locations across all 3 regions.
- For a complete list of highway and road closures, including ferry disruptions due to flooding, see [DriveBC](#).

### UTILITIES/ TELECOMMUNICATIONS

- BC Hydro
  - Restored service to 56k customers overnight.
  - Remaining: 13k in Thompson-Shuswap and Okanagan, 1k North Fraser
  - Limited access is delaying restoration for remaining clients.
  - Hope: Weather mitigation in progress, anticipate stable power for Hope today.
- Dams:
  - Receding inflows at all LML and Sea-to-Sky sites.
  - Flows peaked 15th Nov. Flows are not significant to river levels.
  - Walheach Dam continues to use spillway.
- Fortis BC:
  - Sunshine Coast at Roberts Creek distribution line and intermediate pressure line exposed in creek. Hydro line de-energized and FD on scene.
  - Halfmoon Bay distribution pressure line is exposed

- A main distribution line at Princeton is impacted with up to 1200 customers possibly affected
- Distribution line at Merritt is impacted but the full extent cannot be confirmed due to current high-water levels
- Fraser Valley distribution line service in a farmer's field near Seabird Island is leaking and being isolated
- Telecommunications:
  - Bell cellular voice/data outages in the Fraser Valley and Northern Vancouver

## CROSS-MINISTRY AND AGENCY UPDATES

### HEALTH

- Power outages and road closures are impacting staffing and critical supply lines to health facilities and Long-Term Care and Assisted Living sites, particularly in the Hope area. Work is underway to supply relief physicians and pharmaceuticals to Hope Medical Centre, despite lack of road access.

### SAR BRANCH

The EMBC SAR Unit is activated in support of the evacuations due to floods.

**High Level SAR Activation Summary:** November 14/21 1300 – Nov. 16/21 1300:

- 37 SAR Incident(s) with 290 Public Safety Lifeline Volunteers (PSLVs) responded
- 21 Civil Emergency Response(s) with 266 PSLVs responded

#### **SWE SAR Group Updates:**

Hope

- Team is isolated due to road closures
- Team is rested

Chilliwack

- Working on clearing people from the Sumas prairie using boats and rafts
- Team is also isolated due to road closures

Coquitlam

- Team not directly affected by flooding
- Regional HET's team working with CFVSAR on the Sumas Prairie

South Fraser

- Team is rested and not directly affected by local flooding
- Mutual aid help to Central Fraser Valley SAR

Kent Harrison

- Team is isolated due to road closures. Only connection is with Chilliwack
- SAR trucks were caught behind a landslide but since then Rescue truck was recovered and other truck was left behind for transport to deliver evac notices

Central Fraser Valley

- Directly impacted by the flooding (Sumas prairie)
- Conducting evacuations on the Sumas Prairie

Mission

- Did a rescue of 6 subjects in their area due to road wash out
- Mutual aid help to CFVSAR for evacuation of the Sumas prairie



#### Ridge Meadows

- Team not directly affected by the flooding
- Team has the capability to provide mutual aid

#### CTL SAR Group Updates:

##### Princeton

- Team was exhausted as of November 15, Penticton provided coverage
- Community has been impacted by flooding waters. SAR Hall has been used for operations

##### Nicola Valley

- Municipality under Evacuation Order
- Response capacity is reduced, but no request for replacement
- Unable to deploy out of area, minimal resources available

##### Kamloops

- High operation temp November 11 – 15 created fatigue
- Response truck has been recovered

##### Vernon

- Winch is unavailable with no ETA of return
- Low in SAR Managers

### PROVINCIAL REGIONAL UPDATES

#### CENTRAL REGION (CTL)

**CTL PREOC** has activated in response to flooding.

#### KEY CTL REGIONAL INFORMATION

Total Active Alerts: 9

Total Orders: 14

Total States of Local Emergency: 5

Total Band Council Resolutions: 3

#### FIRST NATIONS

- Coldwater First Nation
  - Band Council Resolution.
  - IR #2 has been isolated and is without water and power.
- Cook's Ferry Indian Band
  - Band Council Resolution.
  - One Alert for for IRs #2, 3, 4A, 4B, 4C, 5, 5A, 6, 8, 8A, 9, 10, 11, 11A, 16, 17, 18, 19, 20, 21 & 22.
  - Two Orders for #1 and IR#7.
- Lower Similkameen Indian Band
  - Band Council Resolution.
  - Chopaka bridges have been compromised and are closed in both directions.
  - One Alert for Chopaka IR #7/8; Similkameen IR #2, Alexis IR #9, Ashnola IR #10.
- Lytton First Nation
  - Community is without power.
  - Water system currently not operational.
- Nicomen Indian Band

- Bridge has been washed out
- **Nooaitch First Nation**
  - Band Council Resolution.
  - Two bridges washed out.
  - Community is isolated.
- **Shakan First Nation**
  - Band Council Resolution Declared
  - Evacuation Order issued for IR# 11
- **Skuppah Indian Band**
  - George Rd washout has caused there to be no access to the water treatment plant.
  - IR #4 water intake has been washed out.
  - Currently relying on the remaining water supply in their reservoir.

#### **LOCAL AUTHORITIES**

- **City of Merritt**
  - State of Local Emergency Declared.
  - Evacuation Order Issued: Entire Community (approx. 7800 people), due to failure of sewage treatment plant (unsanitary conditions).
  - The wastewater treatment plant is down, with no estimated date for bringing it online
  - The water system is contaminated as a result of a well malfunction and the City has turned the water off.
  - Middlesboro Bridge has collapsed.
- **Columbia Shuswap Regional District**
  - Activated the EOC to a level one on November 15, 2021 in response to flooding and sandbag requests.
- **Regional District Okanagan-Similkameen**
  - EOC Activated
  - RDOS EAB – 1 Alert for low-lying properties along the Similkameen River. 1 order for 4 properties on Chopaka Road.
  - RDOS EAG – 1 Alert for low-lying properties along the Similkameen River, 1 order for properties Schedule 1.
  - RDOS EAH – 1 Alert for low-lying properties along the Similkameen River, 2 orders for the community of Coalmont.
  - RDOS – Keremeos – One Alert for low-lying properties along the Similkameen River within the Village of Keremeos.
- **Thompson Nicola Regional District**
  - TNRD – Nicola - Reports of stranded residents at risk along Highway 8. RCMP requested to assist with wellness checks and determine if evacuation is required.
  - TNRD – One Alert issued for the following Electoral Areas:
    - Electoral Area “I” (Blue Sky Country)
    - Electoral Area “M” (Beautiful Nicola Valley – North)
    - Electoral Area “N” (Beautiful Nicola Valley – South)
  - TNRD – Brookmere – 2 Orders for 51 properties in Brookmere and 2 properties in EAN.
- **Town of Princeton**
  - EOC Activated
  - State of Local Emergency declared.
  - 3 Evacuation Order Issued: Properties along the Tulameen River.

- 2 Evacuation Alerts Issued: Properties along the Similkameen & Tulameen Rivers.

## SOUTHWEST REGION (SWE)

**SWE PREOC** activated today in response to flooding.

### KEY SWE REGIONAL INFORMATION

Total Active Alerts: 10

Total Orders: 10

Total States of Local Emergency: 5

Total Band Council Resolutions: 0

### FIRST NATIONS

- Chawathil First Nation
  - EOC activated for flooding. 1 home is flooding and material is sliding off of bluffs around the community
- Kwikwetlem First Nation
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  - Put on flood alert from BC Hydro Dams.
- Leq'á:mel First Nation
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  - Approximately 60 households are without power in Samahquam and Skatin.
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  - Requested sandbags and sand due to localized flooding on IR 2 and IR 4.
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  - EOC activated due to flooding.
- Seabird Island
  - EOC activated for flooding.
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- Skawahlook First Nation
  - EOC activated for flooding.
- Soowahlie First Nation:
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  - Currently no power or water due to flooding activity.
- Squamish First Nation:
  - EOC activated for flooding.
- Sts'ailes First Nation:
  - Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags.
- Sumas First Nation

- EOC activated for flooding

## **LOCAL AUTHORITIES**

- **City of Abbotsford**
  - **State of Local Emergency declared**
  - 2 Evacuation Orders Issued
    - Straiton Road (22 Homes)
    - Sumas Prairie including the area bordered by: Sumas Mountain, DeLair Road and Old Yale Road to the North, The USA Border to the South, Chilliwack City border to the East, The Ridge West of Railway Road to the West (1119 Homes)
  - 8 Evacuation Alerts Issued
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    - Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place (12 - 15 Homes).
    - Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road (30 Homes).
    - Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road; Westside of Sumas Way to West of Riverside Road, East of Sumas River Dike to Boundary Road (140 Homes).
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  - EOC activated due to flooding
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  - 1 Alert for Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road.
  - 2 Orders, Yarrow, from Boundary Road to Browne Road, and all of Majuba Hill and 4 properties on Yale Road and 3 properties on Chartwell Drive.
- **Delta - EOC Activated in response to issues related to flooding and high winds**
- **Fraser Valley Regional District**
  - **State of Local Emergency Declared**
  - 1 Alert for Chilliwack River Valley, FVRD Electoral Area "E" for 7 properties on Obyrne Road.
  - 5 Orders:
    - FVRD EA "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road.
    - FVRD EA "D" for 1 property on Bridal Falls Road (24 people).
    - FVRD EA "E" for 4 properties on Auchenway Road.
    - FVRD EA "E" for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road.
    - FVRD EA "H" for 17 properties on Lakeshore Drive.
- **Village of Harrison Hot Springs – EOC activated due to flooding in the Miami Slough.**
- **Town of Hope**
  - Access from all Highways (1,3,5) cut off.
  - Significant power outages for much of the day (w/hospital on generator)
  - Currently no food in town due to no power. Stores/restaurants closed.
  - Meal flown in via helicopter 2021NOV16 and provided by Salvation Army.

- Delta
  - EOC Activated in response to issues related to flooding and high winds.
  - Working to mitigate localized flooding and support critical infrastructure (drainage stations).
  - Working to restore communications (internal and external) to full capacity.
- District of Hope
- District of Kent
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- City of Langley – EOC activated
  - Rainfall caused widespread flooding on public and private property, as well as parks and trails, and sewer lift stations.
  - Multiple roads impacted due to flooding.
- Maple Ridge- EOC activated
- Metro Vancouver- EOC activated
- Mission - EOC activated
  - Two residences on King Avenue are isolated due to complete road wash out.
  - Planning/preparing to open RC in Mission if required to support ESS flood response if required.
- New Westminster – EOC activated.
- Pemberton – EOC activated.
  - The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding.
  - A sandbag station has been set up at Municipal Hall.
- Pitt Meadows
  - Determining flood spill conditions and possible scenarios from the Alouette Dam
  - Notification to some properties along the Alouette/Pitt Rivers.
- Port Coquitlam - EOC activated.
- Squamish Lillooet Regional District – EOC activated.
- Sunshine Coast Regional District – EOC activated.
  - Stormwater flooding and erosion has impacted public services (drinking water, fire flows, roads, transit, wastewater treatment, parks) in 35+ locations, regionally. Fortis reports exposed gas line at Stephens Road and Lower Road and are preparing for re-routing and/or shutoff.
- Surrey – EOC Activated.

## **VANCOUVER ISLAND AND CENTRAL COAST REGION (VIC)**

**VIC PREOC** activated today in response to flooding.

### **KEY VIR REGIONAL INFORMATION**

Total Active Alerts: 1

Total Orders: 4

Total States of Local Emergency: 4

Total Band Council Resolutions: 0

### **FIRST NATIONS**

- Halalt First Nation:
  - Band Council Resolution.
  - Flooding for 10 homes due to a watermain break and overland flooding.
- Snuneymuxw First Nation:
  - Evacuation Order Issued.
  - 25 evacuees (approximate).
- Penelakut First Nation:
  - 50 evacuees (approximate.)
- Cowichan Tribes:
  - Evacuation Order Issued.
  - 120 evacuees (approximate).
  - SAR doing door to door notifications. Evacuation orders and alerts in place.
- Pauquachin First Nation
  - Evacuation Order Issued

#### **LOCAL AUTHORITIES**

- Cowichan Valley Regional District:
  - Major flooding event taking place in the Cowichan region due to heavy rainfall over the past 48 hours - Multiple road closures (incl. highway), restricting areas throughout the region, including within the boundaries of the Municipality of North Cowichan.
  - SOLE was issued at 1100 hrs on 2021-11-15 - 4 Evacuation Orders in effect - incl. CVRD, Cowichan Tribes, Halalt and Penelakut First Nations.
- Nanaimo Regional District:
  - States of Local Emergency in place.
  - 1 Evacuation Orders remains, 2 orders rescinded: Nanaimo River and Cedar Grove/Riverside/Waters Road.
- Capital Regional District
  - EOC Activated. Highway 1 in both directions reduced to single, alternating route on Malahat. Some localized power outages throughout the CRD. Water service in Fulford Harbour area down for 21 households.
- District of Sooke
  - EOC Activated.
- District of Highlands
  - EOC Activated.
- City of Langford
  - EOC Activated.
  - 20+ properties on alert.
- Central Saanich
  - EOC activated
  - Localized flooding throughout the district. Supporting Public Works with the Brentwood Bay area, liaising with Saanich Peninsula Hospital with resources as needed and status update.

#### **Key Internet Links:**

**Avalanche Canada Weather Forecast** [Drying out at last \(avalanche.ca\)](http://avalanche.ca)

**Emergency Info BC**

<https://www.emergencyinfobc.gov.bc.ca>

**BC Hydro Outage Map** <https://www.bchydro.com/power-outages/app/outage-map.html>

**BC River Forecast Centre**

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/drought-flooding-dikes-dams/river-forecast-centre>

**Drive BC**

<https://www.drivebc.ca/mobile/events/index.html>

**Information about Disaster Financial Assistance is available on the DFA web site at**

<http://www.gov.bc.ca/disasterfinancialassistance>

**Environment Canada** [British Columbia - Weather Conditions and Forecast by Locations - Environment Canada](#)

**APPROVED BY:**

Janet Adams  
PECC Deputy Director

**Note:** This document may be distributed within your agency. Any distribution outside your agency requires prior approval from the PECC Director



**PECC ACTIVATION DAY NO. 2**

**NOVEMBER 16, 2021**

**Hazard(s): Atmospheric River Storm**

**Operational Period: November 16, 2021, 08:30 hrs to Closing**

**Next Sitrep will be issued: November 17, 2021**

**Primary PECC E-mail: [pecc.ops1@gov.bc.ca](mailto:pecc.ops1@gov.bc.ca)**

**Primary PECC Phone: 778-698-8617**

**Information current as of Nov 16, 2021 at 17:00h**

**\*New information is noted in blue font**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for external dissemination. If you wish to use information contained herein for release, you must clear it with the PECC Director.

**PROVINCIAL SITUATION**

The EMBC Provincial Emergency Coordination Centre (PECC) activated today in support of three Provincial Regional Emergency Operations Centres (PREOCs) and the impacts of the atmospheric river storm event that resulted in multiple flooding, landslide, mudslide, power outage and other incidents and human consequence impacts across the BC southern coastal and interior regions.

The storm damaged, blocked, and impacted multiple roadways, causing widespread road closures and stranding hundreds of motorists overnight on Nov. 14, 2021. Rescue efforts have continued throughout Nov. 16, 2021, and many stranded motorists have now been able to seek shelter and appropriate supports in nearby communities. However, several communities and First Nations remain isolated, and efforts are ongoing to provide accommodation and support. MOTI anticipates Highways 1,3, and 7 may be restored this week.

Travelers have also found themselves stranded in many areas of the province and the Province is following up to support them. Currently, in Hope 1,100 stranded travelers are receiving local support, with 900 of those in group lodgings. BCWS is working to move resources by air to support the relief efforts

Many First Nations and Local Authority communities have seen widespread flooding and power outages which have led to roadway closures, infrastructure impacts, evacuation orders and evacuation alerts. Current estimates suggest that there are approximately 17,775 people evacuated due to impacts from this storm event in BC, with 5,918 properties on Evacuation Order, and 3,632 properties on Evacuation Alert.

As a result of the severe weather events this week, EMBC has approved Disaster Financial Assistance (DFA) for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the province, including all First Nations communities, electoral areas, and municipalities within these areas.

**WEATHER OUTLOOK AND ALERTS**



This morning was largely dry, with a ridge of high pressure over the interior, bringing largely cold and dry conditions. This afternoon, mainly dry conditions were also expected, with only the Northwest mountain range seeing increasing cloud and precipitation ahead of an advancing warm front.

On Wednesday, it will remain dry provincially as the core of the high-pressure retreats into Alberta, but a secondary ridge still extends into the Columbias, maintaining clear conditions with gradually moderating temperatures.

Many of the weather watches and warnings in effect yesterday have now been rescinded by Environment Canada, with snowfall warnings and winter storm warnings remaining only for northern coastal BC.

### **RIVER FORECAST CENTRE (RFC) WATCHES AND WARNINGS**

Flow reductions are anticipated overnight tonight and for the remainder of the week.

#### **EMBC Central Region**

RFC is maintaining a Flood Warning for:

- Lower Nicola River
- Coldwater River

And has downgraded Flood Warnings to Flood Watches for:

- Similkameen River
- Tulameen River and tributaries

#### **EMBC Southwest Region**

RFC is maintaining Flood Warnings for:

- Coquihalla River
- Sumas River and areas around the US Border

And has maintained the following Flood Watches for:

- Fraser Canyon tributaries, including tributaries around Hope
- Fraser Valley

#### **EMBC Vancouver Island Central Region**

RFC has downgraded to High Streamflow Advisories for:

- Chemainus
- Englishman River
- Cowichan River
- Koksilah River

## HUMAN CONSEQUENCE IMPACTS

### PROVINCIAL SUMMARY

The following numbers reflect documents related to recent storm events, not pre-existing events, and should be considered approximate only.

	CTL	NWE	NEA	SEA	SWE	VIC	Totals
Band Council Resolutions	1						1
States of Local Emergency	7				4	2	13
Evacuation Orders	10				12	4	26
Properties on Order	3,290				2,581	47	5,918
Population on Order	9,750				7,803	222	17,775
Evacuation Alerts	7			1	5		13
Properties on Alert	3,368			10	254		3,632
Population on Alert	4,479			-	720		5,199

### EMERGENCY SUPPORT SERVICES (ESS)

- The Provincial ESS Call Centre is receiving a consistently high call volume and have extended their hours of operation.
- Commercial accommodation in Kamloops is limited and only those on Order are receiving commercial accommodation.
- Kelowna has some capacity and buses are transporting people from Kamloops to Kelowna if they need accommodation support.
- ESS HQ Staff are working to support Abbotsford who is seeking personnel support at their Reception and Group Lodging sites. Abbotsford is also engaged with Samaritan's Purse to support.

The total number of active ESS Reception Centres is reported to be approximately 20 (many of these communities are providing mutual aid as host communities) and some may be informal centres not seeking provincial support.

Known communities hosting Reception Centres include:

- Kamloops

- Kelowna
- Abbotsford
- Chilliwack
- Hope
- Agassiz
- Regional District Okanagan Similkameen/Penticton
- Salmon Arm
- Cowichan Valley Regional District

Reception Centre locations are posted publicly on Emergency Info BC.

## FLOOD IMPACTS

### INFRASTRUCTURE & TRANSPORTATION

- Highway Closures:
  - Highway 1 (Agassiz – Spences Bridge)
  - Highway 3 (Sunshine Valley)
  - Highway 5 (Hope – Merritt)
  - Highway 7 (Maple Ridge – Hope)
  - Highway 8 (Merritt to Spences Bridge).
  - Highway 11 (US border – Vye Road, Abbotsford).
  - Further emergency supports are being planned for the Hope community and travellers stranded there for Nov. 16, 2021.
- CP Rail lines damaged through Fraser Valley
  - Understand no short-term impact to Lower Mainland critical supplies.
  - One train caught in Debris flow east/north of Spuzzum.
  - No injuries. Empty, no releases.
- Reports are being investigated of further mud and landslides events impacting District of Kent, Highway 1, and Abbotsford
- There have been multiple additional road closures throughout the day in the SWE, CTL and VIC regions, with impacts continuing in numerous locations across all 3 regions.
- For a complete list of highway and road closures, including ferry disruptions due to flooding, see [DriveBC](#).

### UTILITIES/ TELECOMMUNICATIONS

- BC Hydro
  - Restored service to 56k customers overnight.
  - Remaining: 13k in Thompson-Shuswap and Okanagan, 1k North Fraser
  - Limited access is delaying restoration for remaining clients.
  - Hope: Weather mitigation in progress, anticipate stable power for Hope today.
- Dams:
  - Receding inflows at all LML and Sea-to-Sky sites.
  - Flows peaked 15th Nov. Flows are not significant to river levels.
  - Walheach Dam continues to use spillway.
- Fortis BC:
  - Sunshine Coast at Roberts Creek distribution line and intermediate pressure line exposed in creek. Hydro line de-energized and FD on scene.
  - Halfmoon Bay distribution pressure line is exposed

- A main distribution line at Princeton is impacted with up to 1200 customers possibly affected
- Distribution line at Merritt is impacted but the full extent cannot be confirmed due to current high-water levels
- Fraser Valley distribution line service in a farmer's field near Seabird Island is leaking and being isolated
- Telecommunications:
  - Bell cellular voice/data outages in the Fraser Valley and Northern Vancouver

## CROSS-MINISTRY AND AGENCY UPDATES

### HEALTH

- Power outages and road closures are impacting staffing and critical supply lines to health facilities and Long-Term Care and Assisted Living sites, particularly in the Hope area. Work is underway to supply relief physicians and pharmaceuticals to Hope Medical Centre, despite lack of road access.

### SAR BRANCH

The EMBC SAR Unit is activated in support of the evacuations due to floods.

**High Level SAR Activation Summary:** November 14/21 1300 – Nov. 16/21 1300:

- 37 SAR Incident(s) with 290 Public Safety Lifeline Volunteers (PSLVs) responded
- 21 Civil Emergency Response(s) with 266 PSLVs responded

#### **SWE SAR Group Updates:**

##### Hope

- Team is isolated due to road closures
- Team is rested

##### Chilliwack

- Working on clearing people from the Sumas prairie using boats and rafts
- Team is also isolated due to road closures

##### Coquitlam

- Team not directly affected by flooding
- Regional HET's team working with CFVSAR on the Sumas Prairie

##### South Fraser

- Team is rested and not directly affected by local flooding
- Mutual aid help to Central Fraser Valley SAR

##### Kent Harrison

- Team is isolated due to road closures. Only connection is with Chilliwack
- SAR trucks were caught behind a landslide but since then Rescue truck was recovered and other truck was left behind for transport to deliver evac notices

##### Central Fraser Valley

- Directly impacted by the flooding (Sumas prairie)
- Conducting evacuations on the Sumas Prairie

##### Mission

- Did a rescue of 6 subjects in their area due to road wash out
- Mutual aid help to CFVSAR for evacuation of the Sumas prairie

#### Ridge Meadows

- Team not directly affected by the flooding
- Team has the capability to provide mutual aid

#### CTL SAR Group Updates:

##### Princeton

- Team was exhausted as of November 15, Penticton provided coverage
- Community has been impacted by flooding waters. SAR Hall has been used for operations

##### Nicola Valley

- Municipality under Evacuation Order
- Response capacity is reduced, but no request for replacement
- Unable to deploy out of area, minimal resources available

##### Kamloops

- High operation temp November 11 – 15 created fatigue
- Response truck has been recovered

##### Vernon

- Winch is unavailable with no ETA of return
- Low in SAR Managers

### PROVINCIAL REGIONAL UPDATES

#### CENTRAL REGION (CTL)

**CTL PREOC** has activated in response to flooding.

#### KEY CTL REGIONAL INFORMATION

Total Active Alerts: 9

Total Orders: 14

Total States of Local Emergency: 5

Total Band Council Resolutions: 3

#### FIRST NATIONS

- Coldwater First Nation
  - Band Council Resolution.
  - IR #2 has been isolated and is without water and power.
- Cook's Ferry Indian Band
  - Band Council Resolution.
  - One Alert for for IRs #2, 3, 4A, 4B, 4C, 5, 5A, 6, 8, 8A, 9, 10, 11, 11A, 16, 17, 18, 19, 20, 21 & 22.
  - Two Orders for #1 and IR#7.
- Lower Similkameen Indian Band
  - Band Council Resolution.
  - Chopaka bridges have been compromised and are closed in both directions.
  - One Alert for Chopaka IR #7/8; Similkameen IR #2, Alexis IR #9, Ashnola IR #10.
- Lytton First Nation
  - Community is without power.
  - Water system currently not operational.
- Nicomen Indian Band

- Bridge has been washed out
- **Nooaitch First Nation**
  - Band Council Resolution.
  - Two bridges washed out.
  - Community is isolated.
- **Shakan First Nation**
  - Band Council Resolution Declared
  - Evacuation Order issued for IR# 11
- **Skuppah Indian Band**
  - George Rd washout has caused there to be no access to the water treatment plant.
  - IR #4 water intake has been washed out.
  - Currently relying on the remaining water supply in their reservoir.

#### **LOCAL AUTHORITIES**

- **City of Merritt**
  - State of Local Emergency Declared.
  - Evacuation Order Issued: Entire Community (approx. 7800 people), due to failure of sewage treatment plant (unsanitary conditions).
  - The wastewater treatment plant is down, with no estimated date for bringing it online
  - The water system is contaminated as a result of a well malfunction and the City has turned the water off.
  - Middlesboro Bridge has collapsed.
- **Columbia Shuswap Regional District**
  - Activated the EOC to a level one on November 15, 2021 in response to flooding and sandbag requests.
- **Regional District Okanagan-Similkameen**
  - EOC Activated
  - RDOS EAB – 1 Alert for low-lying properties along the Similkameen River. 1 order for 4 properties on Chopaka Road.
  - RDOS EAG – 1 Alert for low-lying properties along the Similkameen River, 1 order for properties Schedule 1.
  - RDOS EAH – 1 Alert for low-lying properties along the Similkameen River, 2 orders for the community of Coalmont.
  - RDOS – Keremeos – One Alert for low-lying properties along the Similkameen River within the Village of Keremeos.
- **Thompson Nicola Regional District**
  - TNRD – Nicola - Reports of stranded residents at risk along Highway 8. RCMP requested to assist with wellness checks and determine if evacuation is required.
  - TNRD – One Alert issued for the following Electoral Areas:
    - Electoral Area “I” (Blue Sky Country)
    - Electoral Area “M” (Beautiful Nicola Valley – North)
    - Electoral Area “N” (Beautiful Nicola Valley – South)
  - TNRD – Brookmere – 2 Orders for 51 properties in Brookmere and 2 properties in EAN.
- **Town of Princeton**
  - EOC Activated
  - State of Local Emergency declared.
  - 3 Evacuation Order Issued: Properties along the Tulameen River.

- 2 Evacuation Alerts Issued: Properties along the Similkameen & Tulameen Rivers.

## SOUTHWEST REGION (SWE)

**SWE PREOC** activated today in response to flooding.

### KEY SWE REGIONAL INFORMATION

Total Active Alerts: 10

Total Orders: 10

Total States of Local Emergency: 5

Total Band Council Resolutions: 0

### FIRST NATIONS

- Chawathil First Nation
  - EOC activated for flooding. 1 home is flooding and material is sliding off of bluffs around the community
- Kwikwetlem First Nation
  - EOC activated for flooding.
  - Put on flood alert from BC Hydro Dams.
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- Lower SStl'atl'imx (LSTC)
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  - Requested sandbags and sand due to localized flooding on IR 2 and IR 4.
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  - EOC activated due to flooding.
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- Soowahlie First Nation:
  - EOC activated for flooding.
  - Currently no power or water due to flooding activity.
- Squamish First Nation:
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- Sts'ailes First Nation:
  - Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags.
- Sumas First Nation

- EOC activated for flooding

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  - **State of Local Emergency declared**
  - 2 Evacuation Orders Issued
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  - EOC activated due to flooding
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  - 2 Orders, Yarrow, from Boundary Road to Browne Road, and all of Majuba Hill and 4 properties on Yale Road and 3 properties on Chartwell Drive.
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- **Fraser Valley Regional District**
  - **State of Local Emergency Declared**
  - 1 Alert for Chilliwack River Valley, FVRD Electoral Area "E" for 7 properties on Obyrne Road.
  - 5 Orders:
    - FVRD EA "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road.
    - FVRD EA "D" for 1 property on Bridal Falls Road (24 people).
    - FVRD EA "E" for 4 properties on Auchenway Road.
    - FVRD EA "E" for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road.
    - FVRD EA "H" for 17 properties on Lakeshore Drive.
- **Village of Harrison Hot Springs – EOC activated due to flooding in the Miami Slough.**
- **Town of Hope**
  - Access from all Highways (1,3,5) cut off.
  - Significant power outages for much of the day (w/hospital on generator)
  - Currently no food in town due to no power. Stores/restaurants closed.
  - Meal flown in via helicopter 2021NOV16 and provided by Salvation Army.



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  - Working to mitigate localized flooding and support critical infrastructure (drainage stations).
  - Working to restore communications (internal and external) to full capacity.
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- District of Kent
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  - Rainfall caused widespread flooding on public and private property, as well as parks and trails, and sewer lift stations.
  - Multiple roads impacted due to flooding.
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- Metro Vancouver- EOC activated
- Mission - EOC activated
  - Two residences on King Avenue are isolated due to complete road wash out.
  - Planning/preparing to open RC in Mission if required to support ESS flood response if required.
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  - The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding.
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  - Notification to some properties along the Alouette/Pitt Rivers.
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- Squamish Lillooet Regional District – EOC activated.
- Sunshine Coast Regional District – EOC activated.
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- Surrey – EOC Activated.

## **VANCOUVER ISLAND AND CENTRAL COAST REGION (VIC)**

**VIC PREOC** activated today in response to flooding.

### **KEY VIR REGIONAL INFORMATION**

Total Active Alerts: 1

Total Orders: 4

Total States of Local Emergency: 4

Total Band Council Resolutions: 0

### **FIRST NATIONS**

- Halalt First Nation:
  - Band Council Resolution.
  - Flooding for 10 homes due to a watermain break and overland flooding.
- Snuneymuxw First Nation:
  - Evacuation Order Issued.
  - 25 evacuees (approximate).
- Penelakut First Nation:
  - 50 evacuees (approximate.)
- Cowichan Tribes:
  - Evacuation Order Issued.
  - 120 evacuees (approximate).
  - SAR doing door to door notifications. Evacuation orders and alerts in place.
- Pauquachin First Nation
  - Evacuation Order Issued

#### **LOCAL AUTHORITIES**

- Cowichan Valley Regional District:
  - Major flooding event taking place in the Cowichan region due to heavy rainfall over the past 48 hours - Multiple road closures (incl. highway), restricting areas throughout the region, including within the boundaries of the Municipality of North Cowichan.
  - SOLE was issued at 1100 hrs on 2021-11-15 - 4 Evacuation Orders in effect - incl. CVRD, Cowichan Tribes, Halalt and Penelakut First Nations.
- Nanaimo Regional District:
  - States of Local Emergency in place.
  - 1 Evacuation Orders remains, 2 orders rescinded: Nanaimo River and Cedar Grove/Riverside/Waters Road.
- Capital Regional District
  - EOC Activated. Highway 1 in both directions reduced to single, alternating route on Malahat. Some localized power outages throughout the CRD. Water service in Fulford Harbour area down for 21 households.
- District of Sooke
  - EOC Activated.
- District of Highlands
  - EOC Activated.
- City of Langford
  - EOC Activated.
  - 20+ properties on alert.
- Central Saanich
  - EOC activated
  - Localized flooding throughout the district. Supporting Public Works with the Brentwood Bay area, liaising with Saanich Peninsula Hospital with resources as needed and status update.

#### **Key Internet Links:**

**Avalanche Canada Weather Forecast** [Drying out at last \(avalanche.ca\)](http://avalanche.ca)

**Emergency Info BC**

<https://www.emergencyinfobc.gov.bc.ca>

**BC Hydro Outage Map** <https://www.bchydro.com/power-outages/app/outage-map.html>

**BC River Forecast Centre**

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/drought-flooding-dikes-dams/river-forecast-centre>

**Drive BC**

<https://www.drivebc.ca/mobile/events/index.html>

**Information about Disaster Financial Assistance is available on the DFA web site at**

<http://www.gov.bc.ca/disasterfinancialassistance>

**Environment Canada** [British Columbia - Weather Conditions and Forecast by Locations - Environment Canada](#)

**APPROVED BY:**

Janet Adams  
PECC Deputy Director

**Note:** This document may be distributed within your agency. Any distribution outside your agency requires prior approval from the PECC Director

## 0238-21 RFA – CAF Support to BC Significant Weather Event

---

From: Hannan, Andrew <Andrew.Hannan@ps-sp.gc.ca>  
To: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>  
Cc: BC Box <ps.box-bc-boite-bc.sp@canada.ca>, Olsen, Sue <Sue.Olsen@ps-sp.gc.ca>, Alex.Kooiman@forces.gc.ca  
Sent: November 17, 2021 6:40:53 AM PST  
Attachments: image001.png, PS-SP-#4090023-v1-BC\_RFA\_-\_Atmospheric\_River\_Event\_-\_November\_2021\_-\_PS\_PRO\_2021-005\_GOC\_02380-21\_SIGNED.pdf

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

Tara, Madeline and Brendan,

Good morning.

Please see below. The RFA has been approved.

There is meeting scheduled for 930am with all of the key players to discuss next steps.

Have a good day.

Regards,  
Andrew

Andrew J. Hannan  
Regional Director  
Public Safety Canada, Pacific Region  
607-3292 Production Way, Burnaby, BC. V5A 4R4  
Office: 604-666-1199, Cell: 604-353-4733

*"Please note that I do not expect a response in the evenings, weekends or during your time off, unless there is an urgent situation in which we are both involved."*

Begin forwarded message:

**From:** "Duperré, Jean-François" <J-F.Duperre@ps-sp.gc.ca>  
**Date:** November 17, 2021 at 5:42:00 AM PST  
**To:** "Hannan, Andrew" <Andrew.Hannan@ps-sp.gc.ca>, "Olsen, Sue" <Sue.Olsen@ps-sp.gc.ca>  
**Cc:** "Piasko, Paul" <Paul.Piasko@ps-sp.gc.ca>, "Chaloner, Laura" <Laura.Chaloner@ps-sp.gc.ca>, "Duperré, Jean-François" <J-F.Duperre@ps-sp.gc.ca>, "Trehearne, Deryck" <Deryck.Trehearne@ps-sp.gc.ca>, "Gagnon, Chantal" <Chantal.Gagnon@ps-sp.gc.ca>  
**Subject:** 0238-21 RFA – CAF Support to BC Significant Weather Event

Andrew, Sue,

I acknowledge the request for Federal Assistance (RFA) from the Province of British Columbia to assist in its response to the significant weather event.

While the Province is leading efforts in responding to the impacts of the event, there remains a need for additional support. In light of this, I am pleased to confirm that the **CAF will support the requested for the period of 17 November until 17 December, 2021, with a possible 2 week extension. Specific supports to be provided are:**

- Provision of air support to facilitate the evacuation of persons affected by flooding, including evacuation of vulnerable population to designated evacuation points;
- Provision of assistance to vulnerable, stranded or in-distress persons affected by floods;
- Provision of air support to support BC critical supply lane routes that have been affected by the floods;
- Reconnaissance and investigation of flooding impacts in support of BC relief effort planning.; and
- Provision of personnel to perform tasks to mitigate the effects of floods, including the protection of critical infrastructure, access roads, and properties as designated by local authorities.

Issues surrounding law enforcement have been carefully considered and at no time during the execution of support to BC will CAF members be employed in a Security or Enforcement role, they will not conduct any assistance to law enforcement tasks, nor will they provide medical care.

Please note that the formal correspondence from the minister will follow but feel free to communicate the information with your provincial counterpart.

Many thanks,

JF

**Jean-Francois Duperré, CD, MSc**

Director Planning Division

Directeur de la division de la planification

GOC/COG

(613) 799-7533

[Jean-Francois.Duperre@PS-SP.GC.CA](mailto:Jean-Francois.Duperre@PS-SP.GC.CA)

November 16, 2021

The Honourable Marco E. L. Mendicino, P.C., M.P.; and  
The Honourable Bill Blair, President of the Queen's Privy Council for Canada and  
Minister of Emergency Preparedness.  
House of Commons  
Ottawa, Canada K1A 0A6

Dear Ministers:

The Province of British Columbia has been severely affected by catastrophic flooding in the Southwest and Central areas resulting in significant impacts on individuals, communities and critical infrastructure. While the Province has yet to fully assess all of the damage, it is becoming increasingly clear that this evolving situation will require resources beyond those currently available in British Columbia. At this time, with all major road and rail routes temporarily severed to the Lower Mainland, establishing supply chain supports to isolated individuals and communities is the priority.

We are requesting federal assistance to obtain the following capabilities:

- Heavy and medium air assets to re-establish the flow of critical medical food, fuel and water supplies to communities;
- Support to evacuate and resupply individuals and communities;
- Reconnaissance to impacted areas to assess the extent of the damage;
- Flood mitigation; and
- General duty and logistics support to the response effort.

Therefore, I, Mike Farnworth, British Columbia Minister of Public Safety and Solicitor General, request provision of federal resources to meet the desired effects in support of the current response to this disaster. These resources will be released at the earliest opportunity when they are no longer required for life-safety or life-sustaining measures.



.....  
Honourable Mike Farnworth

Solicitor General and Minister of Public Safety  
Parliament Buildings  
Victoria, BC  
V8V 1X4

## EMBC UPDATE - November 17, 2021 @ 07:00 hrs

---

From: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
To: Austin, Matt FLNR:EX <Matt.Austin@gov.bc.ca>, Bain, Nancy TIC:EX <Nancy.Bain@ticorp.ca>, Baskerville, Shannon AEST:EX <Shannon.Baskerville@gov.bc.ca>, BCCourts <Heidi.McBride@BCCourts.ca>, BCP Ministry Advisors <BCPMinistryAdvisors@Victoria1.gov.bc.ca>, Bond, Allison MCF:EX <Allison.Bond@gov.bc.ca>, Bouchard, Louise PSSG:EX <Louise.Bouchard@gov.bc.ca>, Brandt, Alissa GCPE:EX <Alissa.Brandt@gov.bc.ca>, Brouwer, Shauna CITZ:EX <Shauna.Brouwer@gov.bc.ca>, Brown, Stephen R HLTH:EX <Stephen.Brown@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Brownlee, Jay EMBC:EX <Jay.Brownlee@gov.bc.ca>, Butler, Jason AEST:EX <Jason.Butler@gov.bc.ca>, Can Forces <ESQBWCOP@forces.gc.ca>, Carrelli, John I CITZ:EX <John.Carrelli@gov.bc.ca>, Caul, Doug D IRR:EX <Doug.Caul@gov.bc.ca>, Chandler, Alex EMBC:EX <Alex.Chandler@gov.bc.ca>, Chiddell, Dan J AG:EX <Dan.Chiddell@gov.bc.ca>, CITZ Corporate Planning CITZ:EX <CorpPlan@gov.bc.ca>, Clark, Curtis C AG:EX <Curtis.Clark@gov.bc.ca>, Dobmeier, Teresa MCF:EX <Teresa.Dobmeier@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>, ES Moc Director MUNI:EX <ESMOC.DIRECTOR@gov.bc.ca>, Farnworth, Mike PSSG:EX <Mike.Farnworth@gov.bc.ca>, Fernandes, Ruth EMBC:EX <Ruth.Fernandes@gov.bc.ca>, Field, Travis <travis.field@forces.gc.ca>, Filmer, Cam A IRR:EX <Cam.Filmer@gov.bc.ca>, Finn, Heather GCPE:EX <Heather.Finn@gov.bc.ca>, FLNR BCWS Wildfire Leadership Team <BCWS\_WLT@Victoria1.gov.bc.ca>, Franklin, Janice IRR:EX <Janice.Franklin@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Fraser, Sarah W FLNR:EX <Sarah.Fraser@gov.bc.ca>, Fyfe, Richard J AG:EX <Richard.Fyfe@gov.bc.ca>, Galbraith, David J SDPR:EX <David.Galbraith@gov.bc.ca>, Galt, Jamie HLTH:EX <Jamie.Galt@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Grant, Nick TACS:EX <Nick.Grant@gov.bc.ca>, Halls, Lori D FLNR:EX <Lori.D.Halls@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Howlett, Tim GCPE:EX <Tim.Howlett@gov.bc.ca>, Hughes, Trevor LBR:EX <Trevor.Hughes@gov.bc.ca>, Hykaway, Mike R FLNR:EX <Mike.Hykaway@gov.bc.ca>, Jardine, Kevin ENV:EX <Kevin.Jardine@gov.bc.ca>, Kennah, Morgan FLNR:EX <Morgan.Kennah@gov.bc.ca>, Kot, Jill PREM:EX <Jill.Kot@gov.bc.ca>, Kristianson, Eric PREM:EX <Eric.Kristianson@gov.bc.ca>, XT:Van Leeuwen, Lauren JAG:IN <lvanleeuwen@provinciacourt.bc.ca>, Liesch, Nancy FLNR:EX <Nancy.Liesch@gov.bc.ca>, Luchkow, Ray FLNR:EX <Ray.Luchkow@gov.bc.ca>, MacDonald, Scott D EDUC:EX <D.Scott.MacDonald@gov.bc.ca>, Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>, Maley, Madeline L EMBC:EX <Madeline.Maley@gov.bc.ca>, Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>, McAndrews, Caroline GCPE:EX <Caroline.McAndrews@gov.bc.ca>, Mclean, Keegan CITZ:EX <Keegan.McLean@gov.bc.ca>, LDB Safety Advisor LDB:EX <safety.advisor@bcladb.com>, Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>, Miska, Ed TRAN:EX <Ed.Miska@gov.bc.ca>, Mounteney, Renee FIN:EX <Renee.Mounteney@gov.bc.ca>, Nash, Laurel ENV:EX <Laurel.Nash@gov.bc.ca>, O'Donoghue, Eamon G FLNR:EX <Eamon.ODonoghue@gov.bc.ca>, Olsson, Liz V FLNR:EX <Liz.Olsson@gov.bc.ca>, Patterson, Sarah MCF:EX <Sarah.Patterson@gov.bc.ca>, Peterson, Dave EMBC:EX <Dave.Peterson@gov.bc.ca>, Plecas, Bobbi JERI:EX <Bobbi.Plecas@gov.bc.ca>, Poss, Angie FLNR:EX <Angie.Poss@gov.bc.ca>, Prendergast, Peter L TRAN:EX <Peter.Prendergast@gov.bc.ca>, HLTH MOC Duty Officer HLTH:EX <hlth.dutyofficer@gov.bc.ca>, Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Rasmussen, Paul FLNR:EX <Paul.Rasmussen@gov.bc.ca>, Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>, Richter, Kevin J TRAN:EX <Kevin.Richter@gov.bc.ca>, Robb, Katie TRAN:EX <Katie.Robb@gov.bc.ca>, Rothe, Karen J EMBC:EX <Karen.Rothe@gov.bc.ca>, Russell, Jonathan CITZ:EX <Jonathan.Russell@gov.bc.ca>, XT:Mahar, Ryan AG:IN <rmahar@provinciacourt.bc.ca>, Sanderson, Melanie EDUC:EX <Melanie.Sanderson@gov.bc.ca>, Sedun, Jeanne AEST:EX <Jeanne.Sedun@gov.bc.ca>, Sieben, Mark PSSG:EX <Mark.Sieben@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Strain, Melissa AG:EX <Melissa.Strain@gov.bc.ca>, Sutherland, Craig FLNR:EX <Craig.Sutherland@gov.bc.ca>, Tanaka, Sandra AEST:EX <Sandra.Tanaka@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Walker, Jennifer IRR:EX <Jennifer.7.Walker@gov.bc.ca>, Wanamaker, Lori PREM:EX <Lori.Wanamaker@gov.bc.ca>, Wey, Melody GCPE:EX <Melody.Wey@gov.bc.ca>, Yuma

Morisho, Okenge MUNI:EX <Okenge.YumaMorisho@gov.bc.ca>  
Sent: November 17, 2021 7:00:06 AM PST  
Attachments: image002.png, image004.png, image005.png, image003.png, image001.png  
Good morning,

## **EMBC UPDATE – November 17, 2021 @ 07:00 hrs**

### **OVERVIEW**

#### **Atmospheric River Events– Multiple Regions**

This weekend's atmospheric river caused heavy rain and localized flooding. Multiple rain-induced incidents occurred across Vancouver Island and the Southern half of the province in the past 48hrs. Several States of Local Emergency and Evacuation Alerts and Orders have been declared. Rescue efforts have continued throughout Nov. 16, 2021, and many stranded motorists have now been able to seek shelter and appropriate supports in nearby communities. However, several communities and First Nations remain isolated, and efforts are ongoing to provide accommodation and support. MOTI anticipates Highways 1,3, and 7 may be restored this week.

#### **Provincial Overview**

- The Provincial Emergency Coordination Center will be stood up again today to support response.
- The storm blocked, damaged, and impacted multiple roadways, causing widespread road closures, and stranding multiple motorists.
  - Travelers have found themselves stranded in many areas of the province and the Province is following up to support them. Currently, in Hope 1,100 stranded travelers are receiving local support, with 900 of those in group lodgings. BC Wildfire Service is working to move resources by air to support the relief efforts.
- The situation is dynamic and full, accurate situational awareness remains challenging, but current estimates suggest that there are approximately 17,775 people evacuated due to impacts from this storm event in BC, with 5,918 properties on Evacuation Order, and 3,632 properties on Evacuation Alert.
- Emergency Support Services volunteers are responding in affected areas to provide supports to evacuees.
  - Approximately 20 locations are activated as Reception Centers.
- Multiple highways remain closed throughout BC causing disruptions to travel.
  - Highway 1 (Malahat) Will be closed overnight from 7pm until 6am for the next six days.
  - Highway 1 (East of Golden)
  - Highway 1 (Agassiz – Spences Bridge)
  - Highway 3 (Sunshine Valley)
  - Highway 5 (Hope – Merritt)
  - Highway 7 (Maple Ridge – Hope)
  - Highway 8 (Merritt – Spences Bridge)
  - Highway 11 (US border – Vye Road, Abbotsford)
  - Highway 99 (Pemberton to Lillooet)
  - For a complete list of highway and road closures, including ferry disruptions due to flooding, see [DriveBC](#).

#### **Sumas Prairie – Abbotsford**

- The City of Abbotsford has issued an urgent notice for all residents remaining in the Sumas Prairie area to evacuate the area immediately.
- The Barrowtown pump station is in danger of succumbing to flood waters, and if it does the areas that have not yet been flooded will be inundated.
- Regional SAR teams are staging personnel and equipment to respond by ground, boat, and air as required to evacuate residents from the area this morning.

#### **Aircraft Crash – SWE**

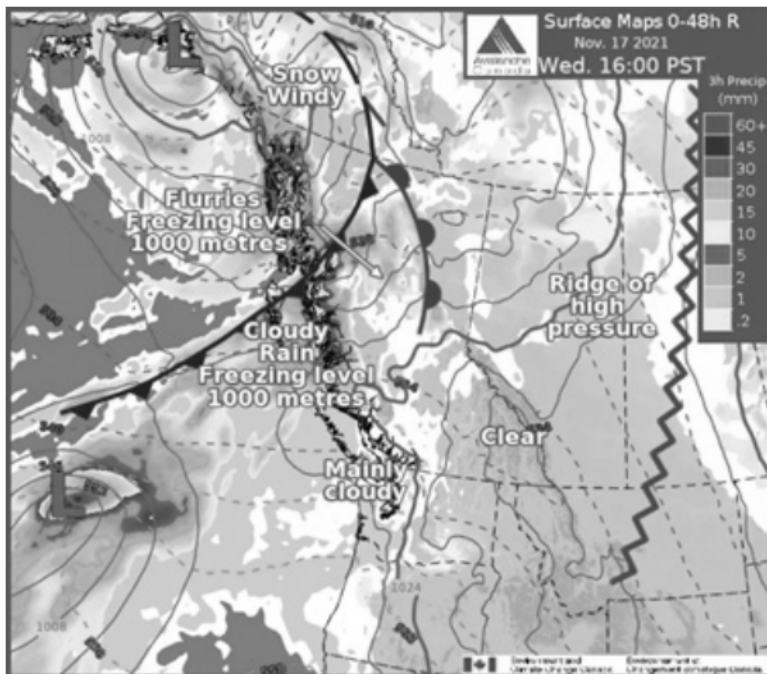
- JRCC recovered two bodies from the crash site yesterday.
- The incident has been handed to the RCMP and the Transportation Safety Board.

#### **DGIR Code 2/Overboard Shipping Containers – VIC**

- The situation on board the M/V *Zim Kingston* remains stable, the final destination and available moorage is still being determined.
- Shoreline clean-up efforts continue as weather and tides allow. Crews are working on removing debris from the sites when conditions are favourable.

### **PROVINCIAL WEATHER**





This morning, a frontal system moving over central and northern BC will bring flurries to the Northwest Coastal and Inland mountain ranges. Expect up to 5cm for snow accumulations over northern B.C. A ridge over southern B.C. will maintain clear skies for this morning but cloud cover is expected to increase throughout the day as an advancing system along the coast sweeps southeast.

This afternoon, flurries continue over the central and northern parts of B.C. with an additional 2 to 4 cm of accumulations over the northwest ranges before tomorrow morning. Rain will sweep down over the Haida Gwaii and central coast area. The Lower Mainland will see mainly cloudy skies overnight. increasing cloudiness is in store for tonight over the southern interior and the mountain ranges over the Columbias and the Kootenay.

#### WEATHER ALERTS and ADVISORIES



**Winter Storm Warning in effect for:** Haines Road – Haines Junction to Pleasant Camp, and South Klondike Highway - Carcross to White Pass.

**Snowfall Warning in effect for:** North Coast – inland sections.

#### **FLOOD WARNINGS and ADVISORIES**



**Flood Warning in effect for:** Lower Nicola River from Merritt to Spences Bridge, Sumas River and areas around the US Border, and Coldwater River.

**Flood Watch in effect for:** Fraser Valley including surrounding tributaries, Fraser Canyon tributaries including tributaries around Hope.

**High Streamflow Advisory in effect for:** Similkameen River, Tulameen River and tributaries, Chemainus River, Englishman River, Cowichan River, Koksilah River, Coquihalla River and Chilliwack River.

#### **PROVINCIAL SUMMARY – All Hazards**

PECC Level 2	CTL	NEA	NWE	SEA	SWE	VIC	Total
PREOC Activations	1	-	-	-	1	1	3
Band Council Resolutions	13	1	1	-	-	-	15
States of Local Emergency	8	5	1	3	7	2	26
Evacuation Orders	15	7	1	3	14(+4)	4(-2)	43(+2)
Evacuation Alerts	7(+1)	7	1	1	5(-2)	-	21(-1)

*This table is reflective of all hazards and may not match the numbers provided in the PECC sitrep for the atmospheric river event.*

#### **REGIONAL SUMMARIES**

##### **CENTRAL REGION**

Central PREOC is activated in response to rain-induced incidents.

##### **City of Merritt**

- SOLE declared due to flooding.
- An evacuation order issued for the City of Merritt in its entirety.

##### **Regional District of Okanagan-Similkameen**

- SOLE declared for EAs H and G due to flooding.
- SOLE declared for EA B due to flooding.
- An Evacuation Order issued for 74 addresses in EA “G, B, and H” due to flooding.

##### **Town of Princeton**

- SOLE declared due to flooding.
- 3 Evacuation Orders issued for 228 properties along the Tulameen River.

- 2 Evacuation Alerts for 209 properties.

#### **Village of Keremeos**

- An Evacuation Alert for properties within the Village of Keremeos has been rescinded.

#### **Cook's Ferry Indian Band**

- BCR declared due to flooding.
- An Evacuation Order issued for IR 1 & 4.
- An Evacuation Alert issued for the remainder of the community.

#### **Nooaitch Indian Band**

- An Evacuation Order issued for IR 10.

#### **Lower Similkameen Indian Band**

- BCR declared due to flooding.
- Evacuation Alert issued for IR 7, 8, Similkameen IR No2, Alexis IR No9, Ashnola IR 10
- Issued an Evacuation Order for Alexis Indian Reserve No 3, Similkameen Indian Reserve No 2, Chopaka Indian Reserve No 7&8 and Chopaka Rd North Susap Creek.

#### **Thompson-Nicola Regional District**

- SOLE declared for EA N due to flooding.
- An Evacuation Alert issued for EAs "I, M, and N."
- An Evacuation Order issued for 53 properties.
- An Evacuation Order has been issued for 37 properties within EA "I"

#### **NORTHEAST REGION**

No significant incidents to report.

#### **NORTHWEST REGION**

No significant incidents to report.

#### **SOUTHEAST REGION**

##### **Regional District of East Kootenay**

- SOLE declared for EA "A" due to flooding.
- An Evacuation Alert issued for 11 properties in EA "A".

#### **SOUTHWEST REGION**

SWE PREOC is activated in response to rain-induced incidents.

#### **Fraser Valley Regional District**

- SOLE declared due to flooding and mudslides.
- An Evacuation Order issued for 53730 Bridal Falls Road (Camperland RV Resort & Cabins).
- An Evacuation Order issued for 4 properties on Auchenway Road in EA "E".

#### **City of Abbotsford**

- An Evacuation Alert issued for Clayburn Area: Clayburn Village and surrounding area.
- An Evacuation Alert issued for Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place.
- An Evacuation Alert issued for Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road.
- An Evacuation Alert issued for Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road.
- An Evacuation Alert issued for Straiton Areas: Dawson Road East of Sumas Mountain Road, Southern rail line to the West, Whatcom Road to the East, Highway 1 to the North, United States border to the South.
- An Evacuation Alert issues for Matsqui Village.
- An Evacuation Order issued for a portion of the Sumas Prairie.
- An Evacuation Order issued for 7 addresses on Straiton Road.

#### **District of Kent**

- SOLE declared due to flooding.
- An Evacuation Order for 59 residents south of 6500 block of Rockwell Drive.

#### **Squamish-Lillooet Regional District**

- An Evacuation Alert issued for 34 properties in EA "D" has been rescinded.

#### **Village of Harrison Hot Springs**

- SOLE declared due to flooding.

#### **City of Langley**

- An Evacuation Order for 1 property on 264th Street.

#### **City of Chilliwack**

- SOLE declared for 47000 block of Yale Road and 47000 block of Chartwell Drive.
- An Evacuation Order issued for 7 properties from Boundary Road to Browne Road, and all of Majuba Hill and 4 properties on Yale Road and 3 properties on Chartwell Drive.
- An Evacuation Alert issued for Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road.

#### **VANCOUVER ISLAND and CENTRAL COAST REGION**

VIC PREOC is activated in response to rain-induced incidents and continues to provide support through the Regional Duty Manager and Liaison Officer as required, for the DGIR Code 2 - *M/V Zim Kingston* fire and overboard shipping containers.

#### **Cowichan Valley Regional District**

- SOLE declared for the entirety of the Regional District including the City of Duncan and local First Nations communities.
- An Evacuation Order for 6 properties in the Allenby Road area.
- Evacuation of the Meadow Glen apartment building due to flooding on Canada Ave.

#### **Regional District of Nanaimo**

- SOLE declared for EAs "A & G".
- An Evacuation Order issued for the Cedar Grove campsite.
- An Evacuation Order for an RV site on Martindale Road.
- An Evacuation Order for 29 addresses in the Riverside Road area.
- Evacuation Order rescinded for 246 Riverbend Road, 3506 Island Hwy West, Waters Road in EA G.
- Evacuation Order rescinded for Portions of Wilkinson Road, Alice Road and Riverside Road in EA A.

#### **Janet Adams | Provincial Duty Manager**

Emergency Management BC

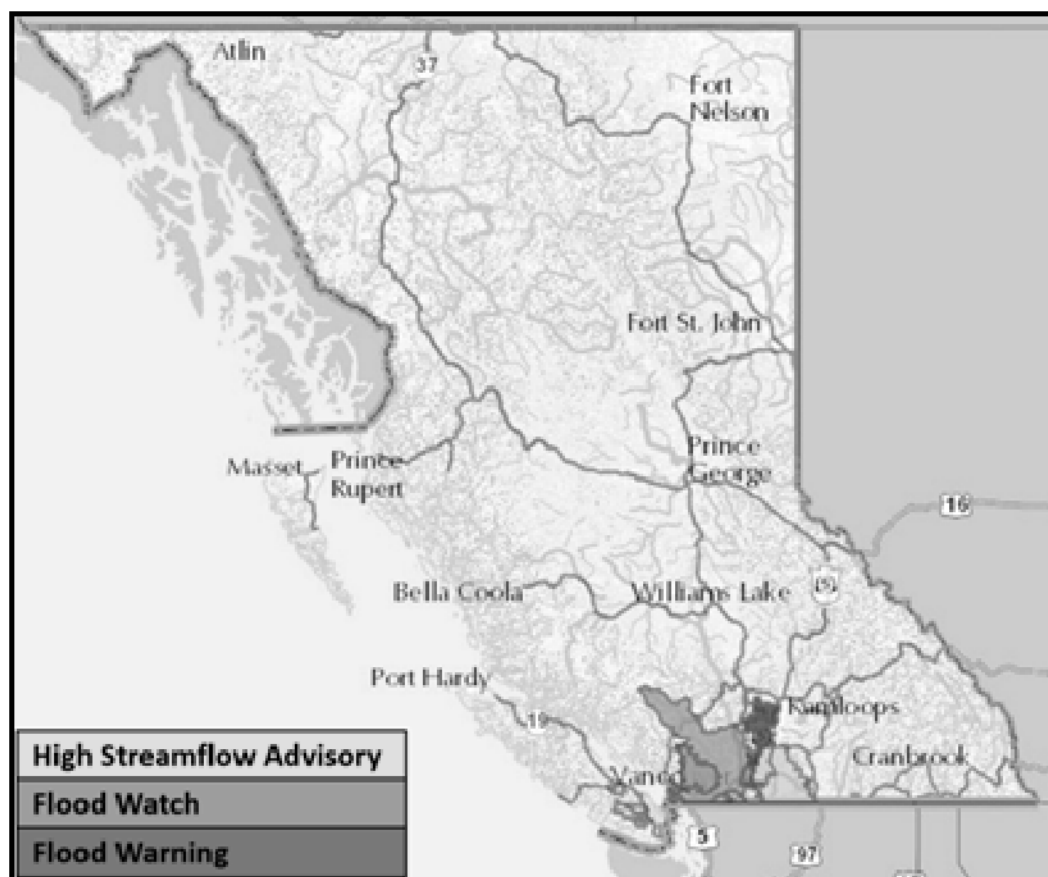
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

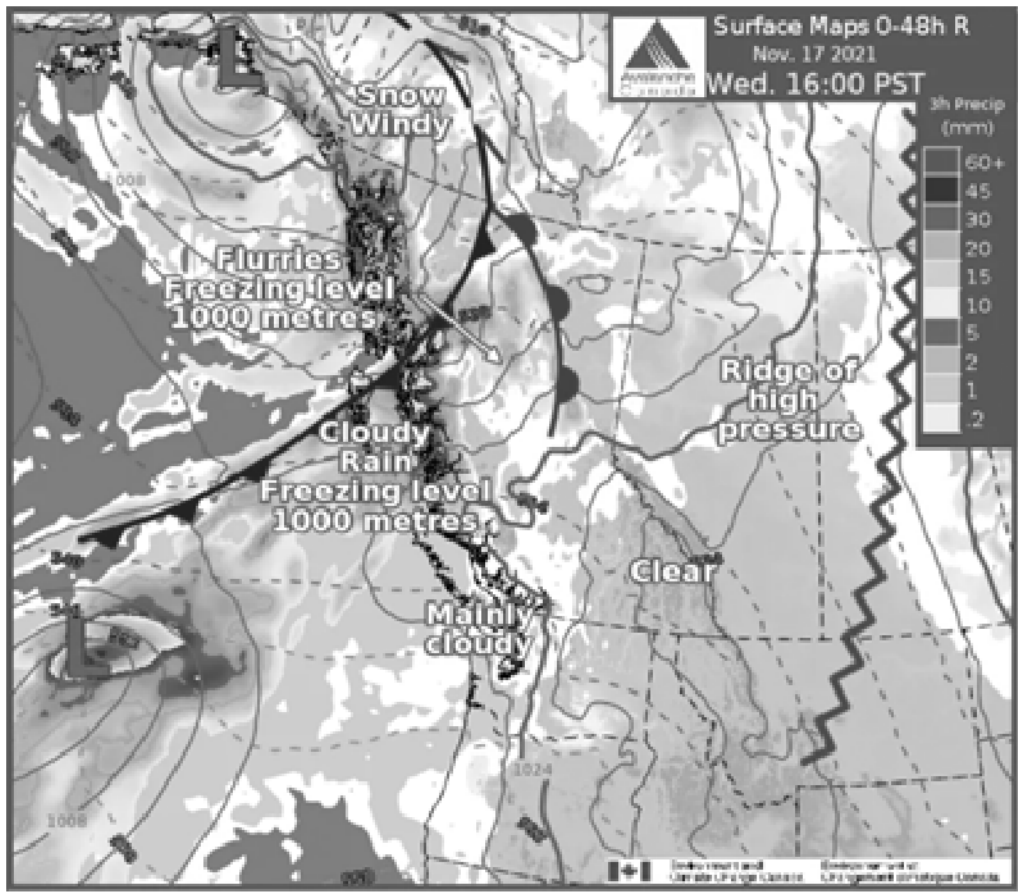
Ph: 250-952-4278 Fax: 250-952-4872

24 Hour Emergency: 1-800-663-3456

*Follow PreparedBC*







## Nov 17: Central PREOC Standing Up at 08:30 hrs

---

From: EMBC CTL PREOC Operations 1 EMBC:EX <preoc3.ops1@gov.bc.ca>  
To: EMBC CTL PREOC Operations 1 EMBC:EX <preoc3.ops1@gov.bc.ca>  
Sent: November 17, 2021 8:42:35 AM PST  
Good morning,

The Central PREOC is activated in response to the Atmospheric River event.

### **PREOC OPERATIONAL PERIOD November 17 from 08:30 – 16:30 (or until required)**

The primary contact number and email address is:

**Central PREOC**

**Phone: 250 312-6623 Fax: 250 371-5246**

**PREOC E-mail:** [preoc3.ops1@gov.bc.ca](mailto:preoc3.ops1@gov.bc.ca)

Thank you,

Terry Olsen

**Operations Lead** | Central Region PREOC (PREOC #3)

Emergency Management BC

PH: (250) 312-6623 Fax: (250) 371-5246

Follow us on Twitter [@EmergencyInfoBC](https://twitter.com/EmergencyInfoBC) and [@PreparedBC](https://twitter.com/PreparedBC)

*Acknowledging that we are conducting our operations on the traditional territory of the Tkemlúps te Secwépemc people*

## FW: Aeromedical Rescue Resources For Weather Event

---

From: Farnworth.MLA, Mike <Mike.Farnworth.MLA@leg.bc.ca>  
To: Minister, PSSG PSSG:EX <PSSG.Minister@gov.bc.ca>  
Sent: November 17, 2021 9:33:07 AM PST

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

Happy Mid Week Melissa  
Your probably going to be a bit busy  
So here is one to start your day.  
Hugs  
Ruth

---

**From:** Miles Randell <miles.randell@teaam.ca>  
**Sent:** November 16, 2021 4:10 PM  
**To:** Farnworth.MLA, Mike <Mike.Farnworth.MLA@leg.bc.ca>; Jordan Lawrence <jordan.lawrence@teaam.ca>  
**Subject:** Aeromedical Rescue Resources For Weather Event

Hi Minister Farnworth,

My name is Miles Randell, president of TEAAM Aeromedical, a non profit aeromedical rescue program with bases in Squamish, Prince George, Fort St John, and soon Campbell River.

We offer helicopter hoist rescue, advanced life support/critical care medicine, swift water rescue, auto extrication, mountain rescue, and more.

We are eager to help during this difficult weather event. Please don't hesitate to contact us if we can be of any assistance.

Respectfully,

Miles

TEAAM AEROMEDICAL **Miles Randell** / President  
miles.randell@teaam.ca / 604-849-0713

**TEAAM AEROMEDICAL**  
ZOLEO: 647-557-5270  
www.teaam.ca  
- - - - -



## RE: Mayor Roundtable call (urgent)

---

From: Fraser, Agnes EMBC:EX  
To: Hembree, Sara PSSG:EX <Sara.Hembree@gov.bc.ca>  
Sent: November 17, 2021 10:05:05 AM PST  
Noted.  
Thank you

---

**From:** Hembree, Sara PSSG:EX <Sara.Hembree@gov.bc.ca>  
**Sent:** November 17, 2021 10:02 AM  
**To:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>; Maartman, William PSSG:EX <William.Maartman@gov.bc.ca>  
**Cc:** Hunt, Charlotte PSSG:EX <Charlotte.Hunt@gov.bc.ca>; Newton, Sam PSSG:EX <Sam.Newton@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>; Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>; Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>  
**Subject:** RE: Mayor Roundtable call (urgent)

I have been asked to change this hold from today to **tomorrow 1pm – 4pm**

We will be in touch soon with more details.

FYI, my phone is not working so if urgent, please call Sam or Charlotte

Thanks!

Sara

---

**From:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Sent:** November 17, 2021 10:01 AM  
**To:** Hembree, Sara PSSG:EX <Sara.Hembree@gov.bc.ca>; Maartman, William PSSG:EX <William.Maartman@gov.bc.ca>  
**Cc:** Hunt, Charlotte PSSG:EX <Charlotte.Hunt@gov.bc.ca>; Newton, Sam PSSG:EX <Sam.Newton@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>; Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>; Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>  
**Subject:** RE: Mayor Roundtable call (urgent)

Hi Sara,  
Updated list attached for the 3pm call today.

Thank you for your patience.  
Agnes

---

**From:** Hembree, Sara PSSG:EX <Sara.Hembree@gov.bc.ca>  
**Sent:** November 17, 2021 7:26 AM  
**To:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Cc:** Hunt, Charlotte PSSG:EX <Charlotte.Hunt@gov.bc.ca>; Newton, Sam PSSG:EX <Sam.Newton@gov.bc.ca>  
**Subject:** FW: Mayor Roundtable call (urgent)

Hello  
Have you heard of this yet? Still setting up, just want to be sure you are in the loop

Thanks!

Will send you more details as they come

---

**From:** Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>  
**Sent:** November 16, 2021 4:45 PM

**To:** Maartman, William PSSG:EX <[William.Maartman@gov.bc.ca](mailto:William.Maartman@gov.bc.ca)>; Hembree, Sara PSSG:EX <[Sara.Hembree@gov.bc.ca](mailto:Sara.Hembree@gov.bc.ca)>; Hunt, Charlotte PSSG:EX <[Charlotte.Hunt@gov.bc.ca](mailto:Charlotte.Hunt@gov.bc.ca)>; Newton, Sam PSSG:EX <[Sam.Newton@gov.bc.ca](mailto:Sam.Newton@gov.bc.ca)>  
**Cc:** Douglas, Andrew PSSG:EX <[Andrew.Douglas@gov.bc.ca](mailto:Andrew.Douglas@gov.bc.ca)>  
**Subject:** RE: Mayor Roundtable call (urgent)

Sara please add MLP to the list.

**Samuel Godfrey**

Senior Advisor to the Honourable Mike Farnworth  
Minister of Public Safety and Solicitor General  
Mobile: 250 208 1359  
Rm 127, Parliament Buildings,  
501 Belleville St., Victoria, BC, CAN, V8W 1X4

I respectfully acknowledge this Office is situated on the traditional territory of the Esquimalt and Songhees First Nations.

Pursuant to the *Freedom of Information and Protection of Privacy Act*, do not disclose the contents of this message or any attachment(s) without prior written consent from the sender. If you are not the intended recipient please notify the sender by reply email, and fully delete.

---

**From:** Maartman, William PSSG:EX <[William.Maartman@gov.bc.ca](mailto:William.Maartman@gov.bc.ca)>

**Sent:** November 16, 2021 4:27 PM

**To:** Hembree, Sara PSSG:EX <[Sara.Hembree@gov.bc.ca](mailto:Sara.Hembree@gov.bc.ca)>; Hunt, Charlotte PSSG:EX <[Charlotte.Hunt@gov.bc.ca](mailto:Charlotte.Hunt@gov.bc.ca)>; Newton, Sam PSSG:EX <[Sam.Newton@gov.bc.ca](mailto:Sam.Newton@gov.bc.ca)>

**Cc:** Godfrey, Samuel PSSG:EX <[Samuel.Godfrey@gov.bc.ca](mailto:Samuel.Godfrey@gov.bc.ca)>; Douglas, Andrew PSSG:EX <[Andrew.Douglas@gov.bc.ca](mailto:Andrew.Douglas@gov.bc.ca)>

**Subject:** Mayor Roundtable call (urgent)

**Importance:** High

Hi team,

Looking to set up an all mayors roundtable call for tomorrow. Mayors that were impacted by the flooding. We want to do 3pm. I've already put a hold into the calendar and made Tara aware.

This will include:

MMF

MRF

EMBC and MOTI staff

Mayors from impacted communities (getting a list – and contact info for you to use for invites)

This will all be short notice but I think we can pull off and set up in time.

Will Maartman  
Senior Ministerial Advisor to the Government House Leader  
Office of the Minister of Public Safety and Solicitor General  
778-679-4952

## CTL PREOC Org Chart for Wednesday, November 17, 2021

---

From: EMBC CTL PREOC Liaison 1 EMBC:EX <preoc3.lia1@gov.bc.ca>  
To: Undisclosed recipients:  
Sent: November 17, 2021 10:13:51 AM PST  
Attachments: CTL\_OrgChart\_2021-11-17.pdf  
Good morning,

Please find attached today's organization chart for the CTL Region PREOC.

The Central PREOC is activated in response to the Atmospheric River.

**PREOC OPERATIONAL PERIOD – November 17, 2021 from 08:00 – 16:30 (or as required)**

The primary contact number and email address is:

**Central PREOC**

**Phone: (250) 312-6623**

**PREOC E-mail:** [preoc3.ops1@gov.bc.ca](mailto:preoc3.ops1@gov.bc.ca)

**Rachelle Dorer**

**Liaison Officer** | Central Region PREOC (PREOC #3)

Emergency Management BC

PH: (778) 362-4459 Fax: (250) 371-5246

Follow us on Twitter [@EmergencyInfoBC](https://twitter.com/EmergencyInfoBC) and [@PreparedBC](https://twitter.com/PreparedBC)

*Acknowledging that we are conducting our operations on the unceded traditional territory of the Tkemlúps te Secwépemc people*

EMBC  
11

TEAMS  
5

OTHER  
7

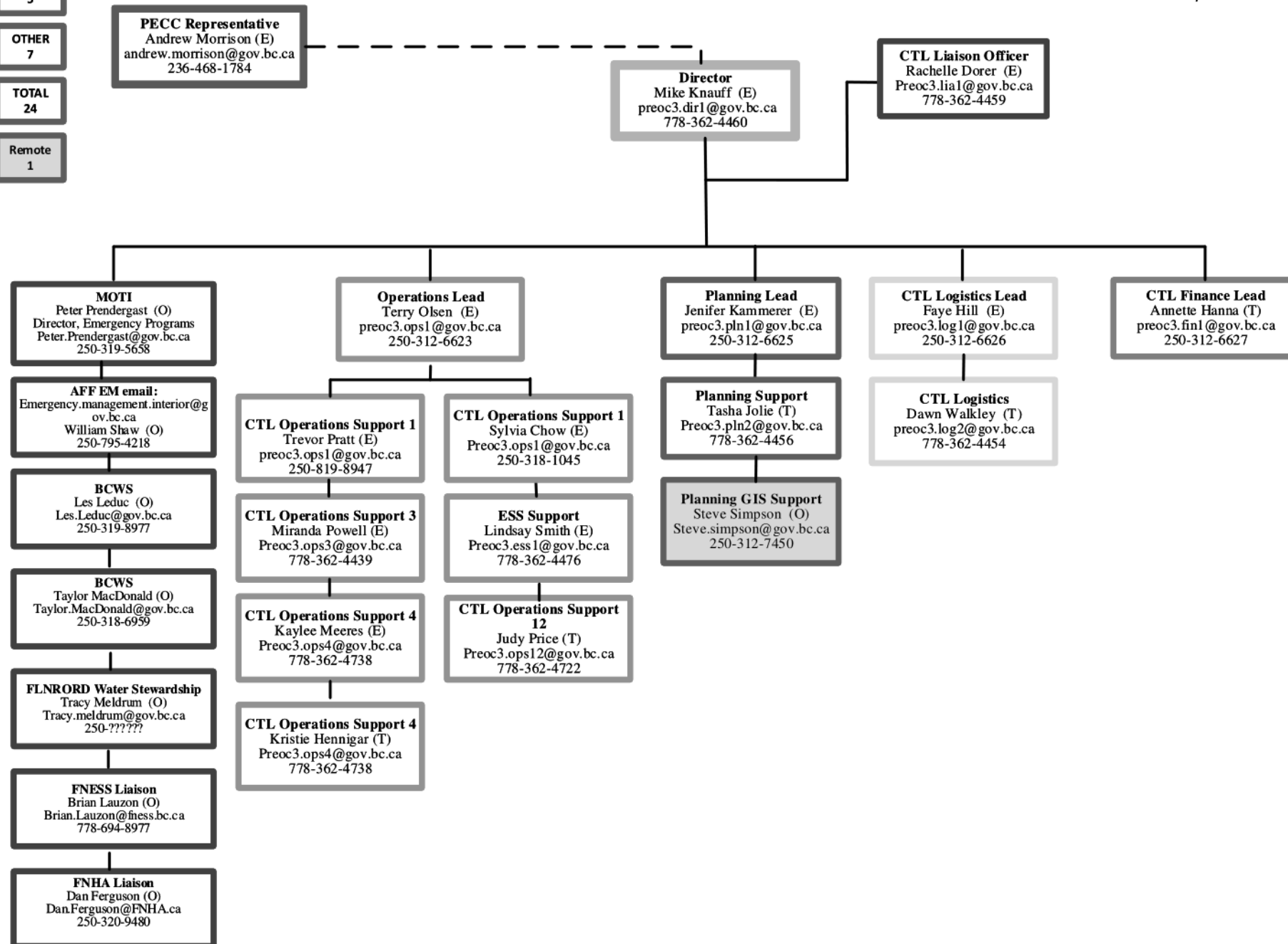
TOTAL  
24

Remote  
1

## Central PREOC Org Chart

November 16, 2021

Atmospheric River 2021  
CTL TASK 223874  
Activated: November 15, 2021  
Days activated: 2



## RE: SOLE requests for review and approval

---

From: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
Cc: Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
Sent: November 17, 2021 10:28:59 AM PST  
Approved

---

**From:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Sent:** November 17, 2021 10:26 AM  
**To:** Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
**Cc:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Subject:** SOLE requests for review and approval

Hi Tara,

Three SOLE requests for your review and approval:

- Regional District of Kootenay-Boundary for Electoral Area D due to continued risk from flooding. The current SOLE is set to expire November 22<sup>nd</sup>, 2021.
- City of Quesnel (Dragon Hill Rd) due to continued risk from landslide. The current SOLEs are set to expire November 18<sup>th</sup>.
- City of Quesnel (Panorama Ridge) due to continued risk from landslide. The current SOLEs are set to expire November 22<sup>nd</sup>.

Thank you  
Agnes

## FW: MLA Request - Tourism Operator Helping with evacuation

---

From: Stonnell, Jennifer EMBC:EX  
To: EMBC SWE PREOC Director 1 EMBC:EX <preoc2.dir1@gov.bc.ca>  
Cc: Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Knauff, Mike EMBC:EX <Mike.Knauff@gov.bc.ca>  
Sent: November 17, 2021 10:53:50 AM PST  
Redirecting per below.

Thanks,

*Jennifer Stonnell*

Manager, Executive Operations  
Office of the Deputy Minister  
Emergency Management BC  
Ph: (778) 698-5865

---

**From:** Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>  
**Sent:** November 17, 2021 10:45 AM  
**To:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; EMBC PECC Director 1 EMBC:EX <pecc.dir1@gov.bc.ca>  
**Cc:** Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Subject:** RE: MLA Request - Tourism Operator Helping with evacuation

This should be directed to SWE PREOC.

**Brendan Ralfs** | Director, Operations  
Emergency Management BC  
Ph: 250-419-8598 Cell: 778-676-2061  
24 Hour Emergency: 1-800-663-3456

---

**From:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Sent:** November 17, 2021 10:00 AM  
**To:** EMBC PECC Director 1 EMBC:EX <pecc.dir1@gov.bc.ca>  
**Cc:** Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>; Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>  
**Subject:** FW: MLA Request - Tourism Operator Helping with evacuation

Hi there,

Please see below re: a fishing charter owner assisting with rescuing stranded people on the Fraser and enquiring about insurance.

Can someone please reach out as soon as possible and let us know that contact has been made.

**Kevin Estrada – Owner of Sturgeon Slayers**  
s.22

Thanks,

*Jennifer Stonnell*

Manager, Executive Operations  
Office of the Deputy Minister  
Emergency Management BC  
Ph: (778) 698-5865

---

**From:** Maher, Melissa PSSG:EX <Melissa.Maher@gov.bc.ca>

**Sent:** November 17, 2021 9:46 AM  
**To:** Stonnell, Jennifer EMBC:EX <[Jennifer.Stonnell@gov.bc.ca](mailto:Jennifer.Stonnell@gov.bc.ca)>  
**Subject:** FW: Tourism Operator Helping with evacuation

Hey Jennifer,

Any way we can support them on this?

Thank you,

**Melissa Maher** (*she/her*)

Executive Assistant to the  
Honourable Mike Farnworth  
Minister of Public Safety and Solicitor General,  
Deputy Premier &  
Government House Leader

Office: (250) 978-9636  
Cell: s.17

---

**From:** Garnier, Jack AFF:EX <[Jack.Garnier@gov.bc.ca](mailto:Jack.Garnier@gov.bc.ca)>  
**Sent:** November 17, 2021 9:20 AM  
**To:** Maher, Melissa PSSG:EX <[Melissa.Maher@gov.bc.ca](mailto:Melissa.Maher@gov.bc.ca)>  
**Cc:** Duncan, Kenton TACS:EX <[Kenton.Duncan@gov.bc.ca](mailto:Kenton.Duncan@gov.bc.ca)>  
**Subject:** Tourism Operator Helping with evacuation

Hey Melissa.

PS Donnelly got a call last night from a fishing charter owner who has been helping with rescuing stranded people on the Fraser river near Hope. He is wondering in we have any way to help them in regards to insurance.

Kevin Estrada – Owner of Sturgeon Slayers  
s.22

Would it be possible to have someone reach out to chat with him about this?

Thanks,

Jack

**Jack Garnier**  
Executive Assistant to  
Fin Donnelly, Parliamentary Secretary for Fisheries and Aquaculture  
Ministry of Agriculture, Food and Fisheries  
Cell: 250-812-3385 | Email: [jack.garnier@gov.bc.ca](mailto:jack.garnier@gov.bc.ca)

*I respectfully acknowledge the Lekwungen People, known today as the Esquimalt and Songhees Nations, and all the Indigenous Peoples of British Columbia, on whose territories I am grateful to work, live and learn*

## RE: Ministerial Order - Provincial State of Emergency

---

From: Hembree, Sara PSSG:EX <Sara.Hembree@gov.bc.ca>  
To: Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Maartman, William PSSG:EX <William.Maartman@gov.bc.ca>, Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>, Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>  
Cc: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
Sent: November 17, 2021 12:10:04 PM PST  
Attachments: EPA SoE declaration (flooding 2021) Final signed.pdf  
I've attached the signed SoE

Please, let me know if you require anything else.

Thank you!!

Sara Hembree

---

**From:** Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Sent:** November 17, 2021 11:27 AM  
**To:** Maartman, William PSSG:EX <William.Maartman@gov.bc.ca>; Godfrey, Samuel PSSG:EX <Samuel.Godfrey@gov.bc.ca>; Douglas, Andrew PSSG:EX <Andrew.Douglas@gov.bc.ca>  
**Cc:** Hembree, Sara PSSG:EX <Sara.Hembree@gov.bc.ca>; Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
**Subject:** Ministerial Order - Provincial State of Emergency  
**Importance:** High

Hi there – attached please find the Ministerial Order to declare the provincial state of emergency.

There is urgency in having the Minister consider/approve this as soon as possible.

If I can get this back once signed in pdf form and dated today, November 17 in typed format, I can then arrange to have it numbered by the OIC office and up on the BCLaws site as soon as possible.

FYI. The point the Minister signs, it is law so it doesn't have to be up on the BCLaws site to have legal effect.

Thanks very much  
Tom



PROVINCE OF BRITISH COLUMBIA

ORDER OF THE MINISTER OF PUBLIC  
SAFETY AND SOLICITOR GENERAL

*Emergency Program Act*

WHEREAS flooding and landslides pose a threat to lives, property and infrastructure in the Province of British Columbia;

AND WHEREAS prompt coordination of action and special regulation of persons or property is required to protect the health, safety or welfare of persons and to mitigate the impact of the flooding and landslides on the transportation network and the availability and distribution of essential goods and supplies throughout the Province of British Columbia;

NOW THEREFORE I declare that a state of emergency exists throughout the whole of the Province of British Columbia.

November 17, 2021

Date



Minister of Public Safety and Solicitor General

*(This part is for administrative purposes only and is not part of the Order.)*

Authority under which Order is made:

Act and section: Emergency Program Act, R.S.B.C. 1996, c. 111, ss. 9

Other: \_\_\_\_\_

## RE: Reply Direct RUSH CLIFF ID 625636

---

From: Johnston, Cole EMBC:EX <Cole.Johnston@gov.bc.ca>  
To: Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Brown, Tom G IRR:EX <Tom.Brown@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
Sent: November 17, 2021 12:15:40 PM PST

FYI — I should be able to get a response out to this writer by the end of the day with PECC/ESS wording contributions. The PO's wording request will take a bit longer.

— Cole

---

**From:** Johnston, Cole EMBC:EX  
**Sent:** November 16, 2021 4:22 PM  
**To:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Cc:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Subject:** RE: Reply Direct RUSH CLIFF ID 625636

I did catch it. Thank you though. I plan on talking with Pader tomorrow morning about what RO has for wording and how I can help put more together. I'll be checking with others like Chrissy for ESS wording, then seeing if Madeline's area has anything ready.

I expect a lot of the yet-to-be-received incomings will cross over with MOTI subjects, so I hope to see what they're putting together soon too. For now I've been pulling from public announcements and PECC info.

— Cole

---

**From:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Sent:** November 16, 2021 4:14 PM  
**To:** Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>; Johnston, Cole EMBC:EX <Cole.Johnston@gov.bc.ca>  
**Cc:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Subject:** FW: Reply Direct RUSH CLIFF ID 625636  
**Importance:** High

Hi Cole,

Flagging this one as a priority in case you haven't seen it already, as well as noting the request from the PO as to whether we can provide some generic wording they could use to reply and/or redirect enquiries.

Tom – your thoughts?

Thanks  
Jenn

---

**From:** Thompson, Angella <Angella.Thompson@gov.bc.ca>  
**Sent:** November 16, 2021 3:35 PM  
**To:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
**Cc:** Johnston, Cole EMBC:EX <Cole.Johnston@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Subject:** Reply Direct RUSH CLIFF ID 625636  
**Importance:** High

SG-Solicitor General **Referral Slip for ID:625636**

2021/11/16

<b>Email:</b>	<b>Reply Direct RUSH</b>	<b>2021/11/30</b>
<b>Batch:</b>	<b>Subaction:</b>	

Type: Private Citizen  
s.22  
Phone:  
Email:

Written: 2021/11/15 Resp Type:  
Received: 2021/11/16 Entered By: s.15  
Due: 2021/11/30  
Signed: Sign By:  
Approved: Approved By:  
Closed: File No.:

Address To: SG Copy To: PO  
Branch Rsp: Issue:  
X-Ref: Drafter:  
MLA: Electoral Dist:

**Subject**

We were evacuated from Merritt to Kamloops because of the flooding.

**Referral** SG-Solicitor General -> SG-Solicitor General

From: SG-Solicitor General Sent: 2021/11/16 Status: Completed Ref Action: Reply Direct RUSH  
To: SG-Solicitor General Received: 2021/11/16 Reason: Subaction:  
Assign To: Completed: 2021/11/16 Due: 2021/11/30 File No.:

**Referral** SG-Solicitor General -> SG-Solicitor General -> Correspondence tracking

From: SG-Solicitor General Sent: 2021/11/16 Status: Completed Ref Action: Reply Direct RUSH  
To: Correspondence tracking Received: Reason: Subaction:  
Assign To: Completed: 2021/11/16 Due: 2021/11/30 File No.:

**Referral** SG-Solicitor General -> SG-Solicitor General -> Correspondence tracking -> EMBC-DM

From: Correspondence tracking Sent: 2021/11/16 Status: Pending Ref Action: Reply Direct RUSH  
To: EMBC-DM Received: Reason: Subaction:  
Assign To: Completed: Due: 2021/11/30 (Active (10)) File No.:

## RE: For Action: SOLE Extension Request - RDKB Electoral Area D

---

From: Fraser, Agnes EMBC:EX  
To: EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
Cc: Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>, Brown, Tom G IRR:EX <Tom.Brown@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
Sent: November 17, 2021 12:21:26 PM PST  
Attachments: Signed Approved SOLE Regional District Kootenay Boundary EAD Rural Grand Forks Expires November 30 2021.pdf, image002.png, image003.png, image001.png

Good afternoon,  
Please find attached approved SOLE request.

Thank you,

Agnes Fraser  
Senior Executive Assistant  
Deputy Ministers Office, Emergency Management BC  
Ministry of Public Safety and Solicitor General  
Suite 4B - 940 Blanshard Street  
Victoria BC V8W 3C8  
Ph: (778) 974.5190

---

**From:** EMBC PDM EMBC:EX <EMBCPDM@gov.bc.ca>  
**Sent:** November 16, 2021 2:20 PM  
**To:** Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Cc:** Ralfs, Brendan R EMBC:EX <Brendan.Ralfs@gov.bc.ca>; Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
**Subject:** For Action: SOLE Extension Request - RDKB Electoral Area D

Good afternoon,  
Please find attached the SOLE extension request from the Regional District of Kootenay-Boundary for Electoral Area D due to continued risk from flooding. The current SOLE is set to expire November 22<sup>nd</sup>, 2021.

Please note file named incorrectly however all dates are correct.

EMBC has reviewed the request and recommends the Minister sign for approval.

Thank you,

**Colin Mathie** | Provincial Duty Manager  
[Emergency Management BC](#)  
Block A – Suite 200, 2261 Keating Cross Rd  
Saanichton, BC CANADA V8M 2A5

Ph: 250-952-4278 Fax: 250-952-4872  
24 Hour Emergency: 1-800-663-3456

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Emergency  
ManagementBC

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*sender by replying promptly to this email and then delete and destroy this email and any attachments without any further use, copying or forwarding.*


## **Extension Request For State Of Local Emergency**

WHEREAS life and property remain at risk due to the flooding event that took place in *Electoral Area D/Rural Grand Forks, Regional District of Kootenay Boundary (RDKB)*;

AND WHEREAS response to this risk due to the flooding event continues to require use of the emergency powers to regulate persons or property to protect the health, safety or welfare of people or to limit damage to property for the following;

10020 North Fork Road (no access due to re-direction of Granby River)

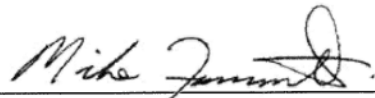
The *Chair* of The Regional District of Kootenay Boundary, *Director Electoral Area 'D'/Rural Grand Forks* of The Regional District of Kootenay Boundary has requested to extend the duration of the declaration of a state of local emergency due to expire on *November 22nd, 2021* at midnight.

  
Chair Linda Worley

  
Date Signed

## Minister Decision

IT IS HEREBY APPROVED / NOT APPROVED pursuant to Section 12(6) of the  
*circle decision*  
*Emergency Program Act* (RS, 1996, Chap.111) that The Regional District of  
Kootenay Boundary may extend the duration of a state of local emergency for a  
further seven days to *November 30th, 2021* at midnight.



(Minister responsible)

November 17, 2021

Date Signed

## RE: For review: EMBC Media Request: Migrant workers in Abbotsford

---

From: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
To: Harper, Aimee GCPE:EX <Aimee.Harper@gov.bc.ca>  
Cc: Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>, Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>, Wey, Melody GCPE:EX <Melody.Wey@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>, Groot, Jeff FIN:EX <Jeff.Groot@gov.bc.ca>  
Sent: November 17, 2021 12:37:24 PM PST  
Approved

---

**From:** Harper, Aimee GCPE:EX <Aimee.Harper@gov.bc.ca>  
**Sent:** November 17, 2021 12:32 PM  
**To:** Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
**Cc:** Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>; Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>; Wey, Melody GCPE:EX <Melody.Wey@gov.bc.ca>; Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>; Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>; Groot, Jeff FIN:EX <Jeff.Groot@gov.bc.ca>  
**Subject:** For review: EMBC Media Request: Migrant workers in Abbotsford

Hi Tara,

Media request for your review please. Approved by Brendan and Jordan.

Thanks,  
Aimee

### Reporter

Sarah Grochowski, Reporter  
Vancouver Sun  
[SGrochowski@postmedia.com](mailto:SGrochowski@postmedia.com)  
604-328-0667 c: 236-818-7302

**Deadline** November 17, 3:00PM

### Request

We at the Vancouver Sun have been made aware of migrant workers who are currently stuck at adjacent farms in Sumas Prairie in Abbotsford because their employer has decided not to evacuate, against all public warnings. At this late stage in the evacuation alert, roads are closed, and the women who live and work on Jamalee Farms will need to be rescued by crews.

Our question: What is the province doing to address the vulnerability facing contracted migrant workers (not just farmers) in Sumas Prairie right now?

Those without permanent residency are at the whim of their employer's mercy. If farmers are not evacuating, this puts migrant workers at serious risk of harm.

### Recommendation

- Our priority is ensuring that everyone in these affected areas are safe, as we continue seeing the devastating impacts of flooding and mudslides in B.C.
- We're using all available resources to get people to safety, including seeking federal assistance on this incident.
- This includes Canadian Armed Forces ground and air support.



## Reply Direct CLIFF ID 625669

From: Milne, Lauren <Lauren.Milne@gov.bc.ca>  
To: Fraser, Agnes EMBC:EX <Agnes.Fraser@gov.bc.ca>  
Cc: Johnston, Cole EMBC:EX <Cole.Johnston@gov.bc.ca>, Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>, Brown, Tom G EMBC:EX <Tom.Brown@gov.bc.ca>  
Sent: November 17, 2021 2:47:30 PM PST  
Attachments: Incoming.msg

SG-Solicitor General **Referral Slip for ID:625669**

2021/11/17

<b>Email:</b>	<b>Reply Direct</b>	<b>2021/12/07</b>
<b>Log Type:</b>	<b>Action:</b>	<b>Due:</b>
<b>Batch:</b>	<b>Subaction:</b>	

Type: Company Written: 2021/11/17 Resp Type:  
Miles Randell, President Received: 2021/11/17 Entered By: s.15  
Teaam Aeromedical Due: 2021/12/07  
Phone: 604-849-0713 Signed: Sign By:  
Email: miles.randell@teaam.ca Approved: Approved By:  
Closed: File No.:

Address To: SG Copy To:  
Branch Rsp: Issue:  
X-Ref: 613949, 613530, 613506 Drafter:  
MLA: Electoral Dist:

### Subject

Aeromedical Rescue Resources For Weather Event

<b>Referral</b> SG-Solicitor General -> SG-Solicitor General					
From:	SG-Solicitor General	Sent:	2021/11/17	Status:	Completed
To:	SG-Solicitor General	Received:	2021/11/17	Reason:	
Assign To:		Completed:	2021/11/17	Due:	2021/12/07
				Ref Action:	Reply Direct
				Subaction:	
				File No.:	

<b>Referral</b> SG-Solicitor General -> SG-Solicitor General -> Correspondence tracking					
From:	SG-Solicitor General	Sent:	2021/11/17	Status:	Completed
To:	Correspondence tracking	Received:		Reason:	
Assign To:		Completed:	2021/11/17	Due:	2021/12/07
				Ref Action:	Reply Direct
				Subaction:	
				File No.:	

<b>Referral</b> SG-Solicitor General -> SG-Solicitor General -> Correspondence tracking -> EMBC-DM					
From:	Correspondence tracking	Sent:	2021/11/17	Status:	Pending
To:	EMBC-DM	Received:		Reason:	
Assign To:		Completed:		Due:	2021/12/07 (Active (14))
				Ref Action:	Reply Direct
				Subaction:	
				File No.:	

## FOR REVIEW/APPROVAL - Confidential Draft DM Message

---

From: Stonnell, Jennifer EMBC:EX  
To: Richards, Tara R EMBC:EX <Tara.Richards@gov.bc.ca>  
Sent: November 17, 2021 5:18:25 PM PST  
Attachments: Confidential V4Draft DM Message\_ Extreme Weather and Flooding Response and Recovery.docx

Hi Tara,

For your review/approval. IF you are good with this, can prep for you to send out tomorrow AM.

Jenn

---

**From:** Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>  
**Sent:** November 17, 2021 5:14 PM  
**To:** Collyer, Michelle EMBC:EX <Michelle.Collyer@gov.bc.ca>  
**Cc:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Subject:** RE: RUSH: FOR REVIEW: Confidential Draft DM Message

No concerns thanks

---

**From:** Collyer, Michelle EMBC:EX <Michelle.Collyer@gov.bc.ca>  
**Sent:** November 17, 2021 5:12 PM  
**To:** Turner, Jordan GCPE:EX <Jordan.Turner@gov.bc.ca>  
**Cc:** Stonnell, Jennifer EMBC:EX <Jennifer.Stonnell@gov.bc.ca>  
**Subject:** RUSH: FOR REVIEW: Confidential Draft DM Message

Hi Jordan,

Can you review the attached Draft DM Message and let us know if you have any concerns?

The DMO is hoping to send this out tomorrow morning to EMBC staff.

Thanks,

**Michelle Collyer**

Manager, Communications

(she/her)

Emergency Management BC

Corporate Support Services

P: 778-698-1101 C: 250-886-0656

*Grateful to live, learn, and work within the traditional territories of the W̱SÁNEĆ and Lekwungen-speaking peoples*



November 18, 2021

Good morning,

As you are aware, the B.C. government has declared a provincial state of emergency to mitigate impacts on transportation networks and movement of essential goods and supplies, and to support the provincewide response and recovery from the widespread damage caused by severe flooding and landslides in British Columbia.

I would like to extend my deep appreciation for your tremendous work supporting response and recovery efforts in managing the impact of this catastrophic event. There is significant activity occurring in the province and I recognize that many of you may have also been personally affected. Thank you for your extraordinary efforts during this challenging time. My thoughts are with all of the communities and people impacted across the province.

Our PECC and PREOCs are activated, and work is underway to provide EMBC surge capacity to support affected communities. I appreciate our staff's willingness to deploy to the PECC/PREOCs and encourage supervisors to support such requests, balanced against operational needs.

I also want to acknowledge the importance of taking care of yourself and each other during this time. A reminder that psychosocial and culturally safe supports and counselling services are available for all EMBC employees. Anyone wishing to schedule a confidential 1:1 session with s.22

s.22 Support is also available through Employee and Family Assistance Services.

Thank you for your dedication to provincial emergency management and ongoing efforts to support British Columbians.

Sincerely,

A handwritten signature in cursive script that reads "Tara Richards".

Tara Richards  
Deputy Minister  
Emergency Management BC

## PECC Situation Report November 17, 2021

---

From: EMBC PECC Operations 1 EMBC:EX <pecc.ops1@gov.bc.ca>  
To: Undisclosed recipients:  
Sent: November 17, 2021 8:32:54 PM PST  
Attachments: PECC-SITREP\_17 Nov Overview Orders.pdf, PECC-SITREP\_17 Nov Overview Flood.pdf, 21\_PECC SitRep\_Nov 17\_2021\_#3\_FINAL.pdf, 21\_PECC SitRep\_Nov 17\_2021\_#3\_FINAL.docx

Please find attached, the situation report for the Provincial Emergency Coordination Centre for November 17, 2021.

**Martin Caldwell**  
**Operations Section Chief**  
**Provincial Emergency Coordination Centre (PECC)**

Emergency Management BC  
PO Box 9201 Stn Prov Gov  
Victoria, B.C. CANADA V8W 9J1

Ph: 778-698-8626 Fax: 250-652-0107

24 Hour Emergency Reporting 1-800-663-3456  
*Follow us on Twitter @EmergencyInfoBC and @PreparedBC*



**PECC ACTIVATION DAY NO. 3**

**NOVEMBER 17, 2021**

**Hazard(s): Atmospheric River Storm**

**Operational Period: November 17, 2021, 08:00 hrs to Closing**

**Next Sitrep will be issued: November 18, 2021**

**Primary PECC E-mail: [pecc.ops1@gov.bc.ca](mailto:pecc.ops1@gov.bc.ca)**

**Primary PECC Phone: 778-698-8617**

**Information current as of Nov 17, 2021 at 17:00h**

**\*New information is noted in blue font**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for external dissemination. If you wish to use information contained herein for release, you must clear it with the PECC Director.

**PROVINCIAL SITUATION**

The EMBC Provincial Emergency Coordination Centre (PECC) is activated today in support of three Provincial Regional Emergency Operations Centres (PREOCs) and the impacts of the atmospheric river storm event that resulted in multiple flooding, landslide, mudslide, power outages and other human consequence impacts along the BC southern coastal and interior regions.

This afternoon, a Provincial State of Emergency was declared to mitigate impacts on transportation networks, facilitate movement of essential goods and supplies, and to support the provincewide response and recovery from the widespread damage caused by severe flooding and landslides in BC.

The state of emergency, initially in effect for 14 days, ensures federal, provincial, and local resources can be delivered in a coordinated response to protect the public, which remains the provincial government's top priority.

The focus is on clearing, repairing and reopening roads to connect the Interior and the North to the Lower Mainland and Vancouver Island so that supply chains begin moving and stranded travelers return home. The federal government has responded to and accepted British Columbia's requests for assistance. In the coming days additional federal resources and personnel will be arriving in BC to assist.

Disaster Financial Assistance (DFA) has been approved for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the Province, including all First Nations communities, electoral areas, and municipalities within these Regions.

**WEATHER OUTLOOK AND ALERTS**

**Flood Safety, Water Management Branch Weather Outlook**

- Generally, drier conditions are expected in the short term, and river levels are expected to continue to recede throughout the week

- Light precipitation is expected for some areas later in the week; however, no significant flow rises are currently projected
- Systems with lake or reservoir-fed watersheds are receding more slowly
- Areas close to the Sumas River continue to experience high water conditions
- Many river systems remain sensitive due to high flows, and will be closely monitored

## **RIVER FORECAST CENTRE (RFC) WATCHES AND WARNINGS**

### **EMBC Central Region**

RFC has downgraded Flood Watches to High Streamflow Advisories for:

- Lower Nicola River
- Coldwater River

### **EMBC Southwest Region**

RFC is maintaining Flood Warnings for:

- Sumas River and areas around the US Border

And downgraded Flood Warnings to High Streamflow Advisories for:

- Fraser Canyon tributaries, including tributaries around Hope
- Fraser Valley
- Chilliwack River

### **EMBC Vancouver Island Central Region**

High Streamflow Advisory maintained for:

- Cowichan River

## HUMAN CONSEQUENCE IMPACTS

### PROVINCIAL SUMMARY

The following table depicts impacts related only to the recent BC atmospheric river storm event. While the information reflects the best current situational awareness of the event, it may be subject to revision.

	CTL	NWE	NEA	SEA	SWE	VIC	Totals
Band Council Resolutions	3 (+2)						3 (+2)
States of Local Emergency	8 (-1)				4	2	14 (-1)
Evacuation Orders	16 (-6)				14 (+2)	2 (-2)	32 (-6)
Properties on Order	3,432 (+142)				2,135 (+446)	16 (-31)	5,583 (-335)
Population on Order	9,948 (+198)				6,618 (-1,185)	159 (-63)	16,725 (-1,050)
Evacuation Alerts	6 (+1)			0 (-1)	6 (+1)	6 (+6)	18 (+5)
Properties on Alert	400 (-2,968)			0 (-10)	707 (-453)		1,107 (-2,529)
Population on Alert	1,243 (-3,236)			-	1,905 (+1,185)		3,148 (-2,051)

### EMERGENCY SUPPORT SERVICES (ESS)

- The Provincial ESS Call Centre is receiving a consistently high call volume and has extended its hours of operation.
- Buses are moving evacuees from Kamloops to Kelowna if they need accommodation support.
- ESS HQ Staff are supporting the City of Abbotsford by supplying personnel to their Reception and Group Lodging sites (which also being supported by the Samaritan's Purse organization).
- Billeting has been approved for host families taking care of stranded travellers.
- Road closures has complicated the deployment of volunteers/mutual aid.
- Food referrals are no longer being provided out of the Kelowna Reception Centre as there are food supply challenges for grocery and restaurant providers
- Stranded travellers are asked to attend Reception/Warming Centres for Group Lodging support, food and water while waiting for roads to re-open

- Mental Health Supports have been requested at Reception Centres and will be supported by Disaster Psycho-Social staff.

Reception Centre locations are posted publicly on Emergency Info BC.

## FLOOD IMPACTS

### INFRASTRUCTURE & TRANSPORTATION

#### HIGHWAYS

- Highway Closures:
  - Highway 1 (Hope to Spences Bridge). DriveBC shows closed with no estimated time of re-opening available.
  - Highway 3 (Sunshine Valley) Drive BC shows UFN closure Between Sunshine Valley and Allison Pass.
  - Highway 5 (Hope – Merritt) Closed and severely impacted.
  - Highway 7 (Maple Ridge – Hope) Drive BC reporting single lane alternating.
  - Highway 8 (Merritt to Spences Bridge) Drive BC reporting UFN closure in both directions.

#### Impacts on the Transportation Sector

##### Canadian Pacific Railway (CPR)

- No estimate provided at this time for track re-opening. 47 trains are currently staged.
- Road access for movement of equipment & resources remains a challenge. All employees & contractors have been provided letters indicating they are critical service providers to hasten their movement through highway check points.

##### Canadian National (CN)

- Still on target for re-opening the Yale sub (Boston Bar – Vancouver) for rail traffic later today (after 1600 PST) once track patrols are completed.
- Ashcroft sub (Kamloops – Boston Bar) remains closed to rail traffic. Restoration work continues with no update to estimated time of re-opening.

#### Transport Canada Actions:

##### Civil Aviation

- NOTAMS were issued by airport operators to restrict operations to emergency support aircraft only for Langley Airport, Chilliwack Airport, and Hope Airport.

##### Marine Safety

- Is working on the details of an Interim Order to restrict the recreational use of pleasure craft in flooded areas.

### UTILITIES/ TELECOMMUNICATIONS

- BC Hydro
  - BC Hydro is reporting less than 3,000 customers affected with outages.
- International/Interprovincial Powerlines (IPLs):
  - At present, there are no known or reported impacts to CER-regulated IPLs in BC.
- Fortis BC:
  - There are no reported Station Control or supply issues.
  - No impact to assets; standing water around the station is receding, and there remains no impact/damage to piping.



- There are no supply concerns at this time; however, with the Enbridge 30"-line shut-in, Fortis has reduced flow by 25% and is looking at ways to increase system capacity in the event there is a disruption to the 36" line.
- The company is contingency planning for different potential supply scenarios.
- Fortis, Enbridge, and NW Pipe are coordinating gas control to align operational plans. Princeton - Due to flood conditions, it has been challenging to assess the damage but FortisBC has a restoration plan in place that they are ready to execute starting Wednesday morning.
- **Telecommunications:**
  - Telus has an active outage in Spences Bridge area due to cable damage from landslide. Due to safety reasons, service technicians are standing down, and will continue to work with local authorities to ensure safe access to the site as quickly as possible. Estimated time of repair is early morning Nov. 18.
  - Shaw has outages in the CTL Region. Technicians are on site working to restore service as quickly as possible. No ETA at this time but will continue to monitor the situation and provide updates when available.
  - **ISED reports:**
    - Telecom carriers are reporting recovery to several cell sites in the affected areas and gradual stabilization of networks.
    - After a helicopter flyover, a carrier has identified a location for the installation of a fiber optic bypass. Work began early today with an aggressive target of being installed within a day or two. This will add a third route in addition to the path along HWY 99 as a contingency back-up route.
    - Some carriers reported continuing wireless congestion in the areas where evacuees are congregating.

## CROSS-MINISTRY AND AGENCY UPDATES

### HEALTH

- No new information.

### CANADIAN ARMED FORCES

#### **CAF Air Task Force (ATF):**

- 17 Nov: A CH148 Cyclone has been identified as available to the Province. A CH146 Griffon is inbound to Kamloops for an evening arrival. A CC130 Hercules is inbound to Edmonton for an evening arrival.
- 18 Nov: Both helicopters are tasked to complete a recce flight for FLNRORD/EMBC. Potential Hercules task for moving dialysis and chemotherapy patients if able to land/take off in Chilliwack.

#### **CAF Land Task Force (LTF):**

17 Nov: LTF recce team arriving in Surrey.

18 Nov: Team will receive brief at SWE PREOC to determine best plan for using land forces to include basing locations and tasks.

#### **CAF Liaison Officers:**

- 1 JTFP LO at EMBC PECC
- 1 JTFP LO at SWE PREOC
- 1 JTFP LO to arrive at CTL PROC 18 Nov.

#### **Aircraft assigned to the Province:**

- 1 x CH146 Griffon, Kamloops potentially moving to Abbotsford tomorrow 18 Nov.
- 1 x CH148 Cyclone, Victoria.
- 1 x CC130 Hercules, Edmonton

### **AIR/SAR BRANCH**

The EMBC AIR/SAR Branch was activated today in support of the evacuations due to floods.

#### **AIR BRANCH**

- Coordinated urgent GeoBC overflight for orthographic imaging of flood extent
- Open discussion of military support for overflight of Fraser river debris trap for River Forecast Centre
- Anticipating 2 med rotary wing with NVG capability
- Heavy lift helicopters are a few days out if still required
- Confirmed fuel supply at Abbotsford Airport is adequate for anticipated operations
- RCMSAR has offered assistance.

#### **High Level SAR Activation Summary: November 14/21 1300 – Nov. 16/21 1300:**

- 37 SAR Incident(s) with 290 Public Safety Lifeline Volunteers (PSLVs) responded
- 21 Civil Emergency Response(s) with 266 PSLVs responded

#### **GSAR GROUP UPDATES**

##### **Southwest**

##### **Hope**

- GSAR Group is isolated due to road closures
- GSAR Group is rested

##### **Chilliwack**

- Working on clearing people from the Sumas prairie using boats and rafts
- GSAR Group is also isolated due to road closures
- Assisting Central Fraser Valley SAR as well as the RCMP in conducting rescues across the Sumas Prairie

##### **Coquitlam**

- GSAR Group not directly affected by flooding
- Regional HETs team working with CFVSAR on the Sumas Prairie South Fraser

##### **Kent Harrison**

- GSAR Group is isolated due to road closures. Only connection is with Chilliwack
- SAR trucks were caught behind a landslide but since then Rescue truck was recovered and other truck was left behind for transport to deliver evac notices.
- Some equipment recovered from behind a slide

- GSAR Volunteers delivering evacuation notices by boat
- GSAR Volunteers got a night's sleep and moral is good

#### **Central Fraser Valley**

- Directly impacted by the flooding (Sumas prairie)
- Conducting evacuations on the Sumas Prairie
- Conducted significant operations across the Sumas Prairie with support from five GSAR Groups and multiple municipal fire departments across the Southwest
- Three aircraft providing Class D Helicopter Rescue (North Shore Rescue, Coquitlam, Chilliwack), boats (Coquitlam, Ridge Meadows) and vehicles were used to rescue subjects
- As of 1400 Central Fraser Valley SAR reported the number of subjects requiring rescue had greatly decreased and it was possible to travel by vehicle across a significant portion of the Sumas Prairie

#### **Mission**

- Did a rescue of 6 subjects in their area due to road wash out
- Assisting Central Fraser Valley SAR with watercraft and personnel for evacuation of the Sumas prairie

#### **Ridge Meadows**

- GSAR Group not directly affected by the flooding
- GSAR Group has the capability to provide mutual aid
- Assisting Central Fraser Valley SAR with watercraft and personnel for evacuation of the Sumas prairie

#### **CTL SAR Group Updates:**

##### **Princeton**

- GSAR Group was exhausted as of November 15, Penticton provided coverage
- Community has been impacted by flooding waters. SAR Hall has been used for operations
- Tasked to do door to door search at residences in downtown Princeton. Still have members from Vernon, Penticton and Osoyoys on scene.
- Team is rested

##### **Nicola Valley**

- Municipality under Evacuation Order
- Response capacity is reduced, but no request for replacement
- Unable to deploy out of area, minimal resources available
- GSAR Group is doing well
- Water levels appear to be dropping; however, the Coldwater River continues to cut parts of the City

##### **Kamloops**

- High operation temp November 11 – 15 created fatigue
- Response truck has been recovered
- Active on non-flood related GSAR Incidents
- L2 SARM unavailable for several days
- Anticipating continuing an ongoing search on Saturday Nov 23rd

##### **Vernon**

- Winch is unavailable with no ETA of return
- Low in SAR Managers

## AGRICULTURE

### Report on Dairy

- 62 dairies under Evac Order. This represents about 11,000 milk cows and another 11,000+ replacement dairy stock.
- Reports from BC Dairy indicate that some dairies & animals have been evacuated, but no confirmation on exact numbers.
- Animal Nutrition Association of Canada (ANAC), BC Division issued a Notice to Producers today (Nov 17, 2021) explaining that feed grains & protein supplements would no longer be delivered to dairies, instead redirected to poultry & pork sectors.
- Feeding only forages to a dairy animal not only impacts production, but predisposes animals to health problems (i.e., ketosis; milk fever).
- Biggest issue with trapped dairy herds now is 'water'. Without water, milk cows will soon become severely dehydrated thus compromising health & life. High # milk cows now without water for 17-18 hours. This is now CRITICAL to survivability.
- Approximately 80% of BC milk supply is inaccessible.
- Industrial plants are being shorted of milk & reports of potential shutdowns. BCMMB does not generate its daily report until 4:30 pm. Fluid milk plants are a priority to get milk to first, but even those are being shorted milk.
- BC Dairy has 6 staff attempting to call all 62 dairies under Evac Order.
- Severe infrastructure damage to barn and equipment. Will be high demand to get contractors in and building supplies and time to repair and get many dairies operational again.
- Many reports of manure pits that are full and overflowing, and milk is being dumped into pits and part of overflow. No where else to dispose of the milk.

## PROVINCIAL REGIONAL UPDATES

### SOUTHEAST REGION (SEA)

The **SEA PREOC** is not activated, but Regional Duty Managers are responding to flooding within the region.

**Regional District of East Kootenay** - RDEK EOC activated at Level 2 in support of both the City of Fernie and RDEK flood response.

- **RDEK EA "A" – Hosmer:**
  - An Alert was issued for 11 homes, now rescinded.
  - On Nov. 16, Water Stewardship issued RDEK an emergency in-stream works permit to allow equipment to clear out approximately 200 m3 of material at the confluence between Mine and Hosmer Creeks, allowing flood waters to return to the creek channel. This work was successfully completed on Nov 17.
- **City of Fernie:**
  - Coal Creek scoured and undercut Coal Creek Rd and Montane Parkway making them impassable.
  - Several public buildings experienced minor flooding and several calls for basement flooding. Hartley Creek flooded Hwy 3 with a detour in effect via Dicken Rd.
  - A sewer trunk line near Zwaryck Rd may become compromised if further scouring occurs. Geotechnical expertise is required to assess bank stability.
  - The community suffered significant damage to recreational areas, including a soccer field and the majority of Fernie's in-town trail network.

## CENTRAL REGION (CTL)

**CTL PREOC** has activated in response to flooding.

### KEY CTL REGIONAL INFORMATION

Total Active Alerts: 6 (-3)

Total Orders: 13 (-1)

Total States of Local Emergency: 7(+2)

Total Band Council Resolutions: 4(+1)

### FIRST NATIONS

- Coldwater First Nation
  - Band Council Resolution.
  - IR #2 has been isolated and is without water and power.
- Cook's Ferry Indian Band
  - Band Council Resolution.
  - One Alert for IRs #2, 3, 4A, 4B, 4C, 5, 5A, 6, 8, 8A, 9, 10, 11, 11A, 16, 17, 18, 19, 20, 21 & 22.
  - Two Orders for #1 and IR#7.
- Lower Similkameen Indian Band
  - Band Council Resolution.
  - Chopaka bridges have been compromised and are closed in both directions.
  - One Alert for Chopaka IR #7/8; Similkameen IR #2, Alexis IR #9, Ashnola IR #10.
- Lytton First Nation
  - Community is without power.
  - Water system currently not operational.
- Nicomen Indian Band
  - Bridge has been washed out
- Nooaitch First Nation
  - Band Council Resolution.
  - Two bridges washed out.
  - Community is isolated and without power.
  - Community is sheltering in place.
  - A reconnaissance flight occurred November 17, 2021 with members from Nooaitch Indian Band and staff from FLNRORD
- Okanagan Indian Band
  - 1 Alert issued for located North of Westside road from 12020 Westside Road to 11820 Westside Road including residents on Tatalux and North Tatatlux Roads
- Siska First Nation
  - BCR and SOLE issued on Nov. 16, 2021
- Shakan First Nation
  - Band Council Resolution Declared
  - Evacuation Order issued for IR# 11
  - Community is without power as of November 16, 2021
- Skuppah Indian Band
  - George Rd washout has caused there to be no access to the water treatment plant.
  - IR #4 water intake has been washed out.
  - Currently relying on the remaining water supply in their reservoir.

## **LOCAL AUTHORITIES**

- Columbia Shuswap Regional District
  - Activated the EOC to a level one on November 15, 2021 in response to flooding and sandbag requests.
- District of Lillooet
  - Activated November 15, 2021 to provide ESS to people stranded due to road closures - Lillooet Friendship Centre Society providing group lodging and assisting with food when necessary.
- City of Merritt
  - State of Local Emergency Declared.
  - Evacuation Order Issued: Entire Community (approx. 7800 people), due to failure of sewage treatment plant (unsanitary conditions).
  - The wastewater treatment plant is down, with no estimated date for bringing it online
  - The water system is contaminated because of a well malfunction and the City has turned the water off.
  - Middlesboro Bridge has collapsed.
  - Water levels have receded significantly.
  - Barricade systems have been formalized and currently bridges are not being crossed for any reason until structural assessments are completed.
- Town of Princeton
  - State of Local Emergency declared.
  - 3 Evacuation Order Issued: Properties along the Tulameen River. **RESCINDED**
  - 3 Evacuation Alerts Issued: Properties along the Similkameen & Tulameen Rivers.
  - The sewer system is up and running with minor silt issues.
  - Boil water advisory in place; downtown core is under “do not consume” order.
- Regional District Okanagan-Similkameen
  - EOC Activated
  - RDOS EAB – 1 Alert for low-lying properties along the Similkameen River. 1 order for 4 properties on Chopaka Road.
  - RDOS EAG – 1 Alert for low-lying properties along the Similkameen River, 1 order for properties Schedule 1.
  - RDOS EAH – 1 Alert for low-lying properties along the Similkameen River, 2 orders for the community of Coalmont.
  - RDOS – Keremeos – One Alert for low-lying properties along the Similkameen River within the Village of Keremeos. **RESCINDED**
- Thompson Nicola Regional District
  - TNRD – Nicola - RCMP requested to assist with wellness checks and determine if evacuation is required. TNRD co-ordinating transport of rescues from Merritt to Kelowna for ESS.
  - TNRD – One Alert issued for the following Electoral Areas:
    - Electoral Area “I” (Blue Sky Country) **RESCINDED**
    - Electoral Area “M” (Beautiful Nicola Valley – North) **RESCINDED**
    - Electoral Area “N” (Beautiful Nicola Valley – South) **RESCINDED**
  - TNRD – Brookmere – 2 Orders for 51 properties in Brookmere and 2 properties in EA “N”. **RESCINDED**

## SOUTHWEST REGION (SWE)

**SWE PREOC** activated today in response to flooding.

### KEY SWE REGIONAL INFORMATION

Total Active Alerts: 10

Total Orders: 16(+6)

Total States of Local Emergency: 7(+2)

Total Band Council Resolutions: 0

### FIRST NATIONS

- Chawathil First Nation
  - EOC activated for flooding. 1 home is flooding and material is sliding off bluffs around the community
- Kwikwetlem First Nation
  - EOC activated for flooding.
  - Put on flood alert from BC Hydro Dams. **RESCINDED**
- Leq'á: mel First Nation
- Lower SStl'atl'imx (LSTC)
  - Approximately 60 households are without power in Samahquam and Skatin.
  - LSTC has spoken to FLNRO, BC Hydro, and Lizzie Bay/IRM to coordinate efforts to restore power and access. FLNRO and BC Hydro will have assessment crews out first thing 2021NOV16 to begin the repair/reconnection of power lines and routes
  - In-SHUCK-ch FSR - Road access to north to Pemberton has not been established for all communities.
- Musqueam First Nation:
  - EOC activated due to flooding.
- Matsqui First Nation
  - Band Council Resolution
  - Requested sandbags and sand due to localized flooding on IR 2 and IR 4.
- Peters First Nation
  - EOC activated due to flooding.
- Seabird Island
  - EOC activated for flooding.
  - Group lodging was set up for stranded motorists. Breakfast and lunch provided for 8 truck drivers.
  - Currently Seabird Island has endured flooding of several homes and is still in high water advisory. Crews are assessing damage.
  - TELUS fiber connection from Hope is not functional, temporarily lost communication
- Shxw'ha:y Village First Nation
  - EOC is activated in support of the flooding and landslide response in the region
- Shsw'ow'hamel First Nation
  - EOC activated for flooding.
- Skawahlook First Nation
  - EOC activated for flooding.
- Soowahlie First Nation:

- EOC activated for flooding.
  - Currently no power or water due to flooding activity.
- Spuzzum First Nation
  - EOC activated for flooding
  - Flooding is impacting drinking water in community
- Squamish First Nation:
  - EOC activated for flooding.
- Sts'ailes First Nation:
  - Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags.
- Sumas First Nation
  - EOC activated for flooding

#### **LOCAL AUTHORITIES**

- City of Abbotsford
  - State of Local Emergency declared
  - 4 Evacuation Orders Issued
    - Straiton Road (22 Homes)
    - Sumas Prairie including the area bordered by Sumas Mountain, DeLair Road and Old Yale Road to the North, The USA Border to the South, Chilliwack City border to the East, The Ridge West of Railway Road to the West (1700 Homes)
    - The order was partially rescinded for the Huntingdon Area of Sumas Prairie including Huntingdon Village and area west of Sumas Way between the US Border to Lonzo Avenue and were placed back on Alert
    - Alert for Sumas Prairie including the area bordered by Sumas Mountain, Delair Road and Old Yale Road to the North; the US border to the south; Chilliwack City border to the east; and the Ridge West of Railway Road to the west (300-500 homes)
    - Total numbers of homes on orders are still to be determined.
  - 8 Evacuation Alerts Issued
    - Sumas Prairie: The Southern Rail Line to the West, Whatcom Road to the East, Highway 1 to the North, United States Border to the South (1700 Homes).
    - for Matsqui Village: Grace Road North to the Matsqui Slough (12 Homes).
    - Clayburn Area: Clayburn Village and surrounding area (30 Homes).
    - Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place (12 - 15 Homes).
    - Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road (30 Homes).
    - Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road; Westside of Sumas Way to West of Riverside Road, East of Sumas River Dike to Boundary Road (140 Homes).
- Bowen Island
  - EOC activated due to flooding
- City of Chilliwack
  - 1 Alert for Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road.



- 4 Orders, Yarrow, from Boundary Road to Browne Road, and all Majuba Hill and 4 properties on Yale Road and 3 properties on Chartwell Drive. Added Nov 17, one property on Yale road and one on Old Orchard Road.
- Coquitlam
  - EOC activated to coordinate provision of support, equipment and staffing for other communities.
  - No uncontrolled flooding or other emergency conditions in Coquitlam
  - Specialized rescue services (Coquitlam Fire Rescue) and/or EOC/ESS trained staff available to support other communities if needed.
- Delta - EOC Activated in response to issues related to flooding and high winds
- Fraser Valley Regional District
  - State of Local Emergency Declared
  - 1 Alert for Chilliwack River Valley, FVRD Electoral Area "E" for 7 properties on O'Byrne Road.
  - 5 Orders:
    - FVRD EA "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road.
    - FVRD EA "D" for 1 property on Bridal Falls Road (24 people).
    - FVRD EA "E" for 4 properties on Auchenway Road.
    - FVRD EA "E" for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road.
    - FVRD EA "H" for 17 properties on Lakeshore Drive.
- Village of Harrison Hot Springs – EOC activated due to flooding in the Miami Slough.
- District of Hope
  - Access from all Highways (1,3,5) cut off.
  - Significant power outages for much of the day (w/hospital on generator)
  - Currently no food in town due to no power. Stores/restaurants closed.
  - Meal flown in via helicopter 2021NOV16 and provided by Salvation Army.
  - Food and cot delivery continued today.
- District of Kent
  - 1 Orders for Rockwell Drive, Rockwell Lane, Rockwell Place, Pirates Lane, Thunderbird Crescent, and Dogwood Lane (6 homes).
  - All properties on Rockwell Drive corridor have been placed on Evacuation Order.
  - Approximately 275 people rescued from Highway 7 on Nov. 15
  - Crews are working to make access through the slide area
- City of Langley – EOC activated
  - Rainfall caused widespread flooding on public and private property, as well as parks and trails, and sewer lift stations.
  - Multiple roads impacted due to flooding.
- Maple Ridge- EOC activated
  - The Fraser River levels continue to drop, and the Sanitary Sewer Overflow (SSO) event will transition from an EOC event to an operational response.
- Metro Vancouver- EOC activated
- Mission - EOC activated
  - 1 order issued for 8 properties located on the 8400 block of Bembow Street in Hatzic (8 properties).
- New Westminster – EOC standing down.

- Pemberton – EOC activated.
  - The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding.
  - A sandbag station has been set up at Municipal Hall.
- Pitt Meadows
  - Determining flood spill conditions and possible scenarios from the Alouette Dam
  - Notification to some properties along the Alouette/Pitt Rivers.
- Port Coquitlam - EOC activated.
- Squamish Lillooet Regional District – EOC activated.
  - The continued closure of the Duffy Lake Road / Hwy 99 and other closures are constraining access around the regional district, and there are a number of stranded travellers in the S2S member municipalities who are unable to get home currently.
- Sunshine Coast Regional District – EOC activated.
  - Stormwater flooding and erosion has impacted public services (drinking water, fire flows, roads, transit, wastewater treatment, parks) in 35+ locations, regionally. Fortis reports exposed gas line at Stephens Road and Lower Road and are preparing for re-routing and/or shutoff.
- Surrey – EOC Activated.
- Vancouver
  - EOC activated for flooding

## **VANCOUVER ISLAND AND CENTRAL COAST REGION (VIC)**

**VIC PREOC** activated today in response to flooding.

### **KEY VIR REGIONAL INFORMATION**

Total Active Alerts: 1

Total Orders: 1

Total States of Local Emergency: 1

Total Band Council Resolutions: 0

### **FIRST NATIONS**

- Halalt First Nation:
  - 150 evacuees, Flooding for 30 homes due to a watermain break and overland flooding. RDA for 2 homes requested, CVRD assisting.
- Snuneymuxw First Nation:
  - 25 evacuees (approximate), reviewing impacts to several septic tanks in the area.
- Penelakut First Nation:
  - 50 evacuees (approximate.)
- Cowichan Tribes:
  - 120 evacuees (approximate).
  - Evacuation order remains in place for Sahilton road, alerts remain in place for other areas impacted by the flood as river is still very high, with rain in the forecast.
- Pauquachin First Nation
  - Flooding event. Pumps likely needed.

### **LOCAL AUTHORITIES**

- Cowichan Valley Regional District:
  - Major flooding event taking place in the Cowichan region due to heavy rainfall over the past 48 hours - Multiple road closures (incl. highway), restricting areas throughout the region, including within the boundaries of the Municipality of North Cowichan.
  - SOLE was issued at 1100 hrs on 2021-11-15 - 4 Evacuation Orders in effect - incl. CVRD, Cowichan Tribes, Halalt and Penelakut First Nations.
- Nanaimo Regional District:
  - States of Local Emergency in place.
  - 1 Evacuation Order remains, 2 orders rescinded: Nanaimo River and Cedar Grove/Riverside/Waters Road.
- Capital Regional District
  - EOC Activated. Highway 1 in both directions reduced to single, alternating route on Malahat. Some localized power outages throughout the CRD. Water service in Fulford Harbour area down for 21 households.
- District of Sooke
  - EOC Activated.
- District of Highlands
  - EOC Activated.
- City of Langford
  - EOC Activated.
  - 20+ properties on alert.
- Central Saanich
  - EOC activated
  - Localized flooding throughout the district. Supporting Public Works within the Brentwood Bay area, liaising with Saanich Peninsula Hospital with resources as needed and status update.

### **Key Internet Links:**

**Avalanche Canada Weather Forecast** [Drying out at last \(avalanche.ca\)](https://www.avalanche.ca/)

### **Emergency Info BC**

<https://www.emergencyinfobc.gov.bc.ca>

**BC Hydro Outage Map** <https://www.bchydro.com/power-outages/app/outage-map.html>

### **BC River Forecast Centre**

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/drought-flooding-dikes-dams/river-forecast-centre>

### **Drive BC**

<https://www.drivebc.ca/mobile/events/index.html>

**Information about Disaster Financial Assistance is available on the DFA web site at**

<http://www.gov.bc.ca/disasterfinancialassistance>

**APPROVED BY:**

Brendan Ralfs  
PECC Director

**Note:** This document may be distributed within your agency. Any distribution outside your agency requires prior approval from the PECC Director



**PECC ACTIVATION DAY NO. 3**

**NOVEMBER 17, 2021**

**Hazard(s): Atmospheric River Storm**

**Operational Period: November 17, 2021, 08:00 hrs to Closing**

**Next Sitrep will be issued: November 18, 2021**

**Primary PECC E-mail: [pecc.ops1@gov.bc.ca](mailto:pecc.ops1@gov.bc.ca)**

**Primary PECC Phone: 778-698-8617**

**Information current as of Nov 17, 2021 at 17:00h**

**\*New information is noted in blue font**

**Note:** Information contained in this situation report is for operational purposes only. The contained information is not meant for external dissemination. If you wish to use information contained herein for release, you must clear it with the PECC Director.

**PROVINCIAL SITUATION**

The EMBC Provincial Emergency Coordination Centre (PECC) is activated today in support of three Provincial Regional Emergency Operations Centres (PREOCs) and the impacts of the atmospheric river storm event that resulted in multiple flooding, landslide, mudslide, power outages and other human consequence impacts along the BC southern coastal and interior regions.

This afternoon, a Provincial State of Emergency was declared to mitigate impacts on transportation networks, facilitate movement of essential goods and supplies, and to support the provincewide response and recovery from the widespread damage caused by severe flooding and landslides in BC.

The state of emergency, initially in effect for 14 days, ensures federal, provincial, and local resources can be delivered in a coordinated response to protect the public, which remains the provincial government's top priority.

The focus is on clearing, repairing and reopening roads to connect the Interior and the North to the Lower Mainland and Vancouver Island so that supply chains begin moving and stranded travelers return home. The federal government has responded to and accepted British Columbia's requests for assistance. In the coming days additional federal resources and personnel will be arriving in BC to assist.

Disaster Financial Assistance (DFA) has been approved for flooding in the Vancouver Island & Central Coast, Southwest, and Central regions of the Province, including all First Nations communities, electoral areas, and municipalities within these Regions.

**WEATHER OUTLOOK AND ALERTS**

**Flood Safety, Water Management Branch Weather Outlook**

- Generally, drier conditions are expected in the short term, and river levels are expected to continue to recede throughout the week

- Light precipitation is expected for some areas later in the week; however, no significant flow rises are currently projected
- Systems with lake or reservoir-fed watersheds are receding more slowly
- Areas close to the Sumas River continue to experience high water conditions
- Many river systems remain sensitive due to high flows, and will be closely monitored

## **RIVER FORECAST CENTRE (RFC) WATCHES AND WARNINGS**

### **EMBC Central Region**

RFC has downgraded Flood Watches to High Streamflow Advisories for:

- Lower Nicola River
- Coldwater River

### **EMBC Southwest Region**

RFC is maintaining Flood Warnings for:

- Sumas River and areas around the US Border

And downgraded Flood Warnings to High Streamflow Advisories for:

- Fraser Canyon tributaries, including tributaries around Hope
- Fraser Valley
- Chilliwack River

### **EMBC Vancouver Island Central Region**

High Streamflow Advisory maintained for:

- Cowichan River

## HUMAN CONSEQUENCE IMPACTS

### PROVINCIAL SUMMARY

The following table depicts impacts related only to the recent BC atmospheric river storm event. While the information reflects the best current situational awareness of the event, it may be subject to revision.

	CTL	NWE	NEA	SEA	SWE	VIC	Totals
Band Council Resolutions	3 (+2)						3 (+2)
States of Local Emergency	8 (-1)				4	2	14 (-1)
Evacuation Orders	16 (-6)				14 (+2)	2 (-2)	32 (-6)
Properties on Order	3,432 (+142)				2,135 (+446)	16 (-31)	5,583 (-335)
Population on Order	9,948 (+198)				6,618 (-1,185)	159 (-63)	16,725 (-1,050)
Evacuation Alerts	6 (+1)			0 (-1)	6 (+1)	6 (+6)	18 (+5)
Properties on Alert	400 (-2,968)			0 (-10)	707 (-453)		1,107 (-2,529)
Population on Alert	1,243 (-3,236)			-	1,905 (+1,185)		3,148 (-2,051)

### EMERGENCY SUPPORT SERVICES (ESS)

- The Provincial ESS Call Centre is receiving a consistently high call volume and has extended its hours of operation.
- Buses are moving evacuees from Kamloops to Kelowna if they need accommodation support.
- ESS HQ Staff are supporting the City of Abbotsford by supplying personnel to their Reception and Group Lodging sites (which also being supported by the Samaritan's Purse organization).
- Billeting has been approved for host families taking care of stranded travellers.
- Road closures has complicated the deployment of volunteers/mutual aid.
- Food referrals are no longer being provided out of the Kelowna Reception Centre as there are food supply challenges for grocery and restaurant providers
- Stranded travellers are asked to attend Reception/Warming Centres for Group Lodging support, food and water while waiting for roads to re-open

- Mental Health Supports have been requested at Reception Centres and will be supported by Disaster Psycho-Social staff.

Reception Centre locations are posted publicly on Emergency Info BC.

## FLOOD IMPACTS

### INFRASTRUCTURE & TRANSPORTATION

#### HIGHWAYS

- Highway Closures:
  - Highway 1 (Hope to Spences Bridge). DriveBC shows closed with no estimated time of re-opening available.
  - Highway 3 (Sunshine Valley) Drive BC shows UFN closure Between Sunshine Valley and Allison Pass.
  - Highway 5 (Hope – Merritt) Closed and severely impacted.
  - Highway 7 (Maple Ridge – Hope) Drive BC reporting single lane alternating.
  - Highway 8 (Merritt to Spences Bridge) Drive BC reporting UFN closure in both directions.

#### Impacts on the Transportation Sector

##### Canadian Pacific Railway (CPR)

- No estimate provided at this time for track re-opening. 47 trains are currently staged.
- Road access for movement of equipment & resources remains a challenge. All employees & contractors have been provided letters indicating they are critical service providers to hasten their movement through highway check points.

##### Canadian National (CN)

- Still on target for re-opening the Yale sub (Boston Bar – Vancouver) for rail traffic later today (after 1600 PST) once track patrols are completed.
- Ashcroft sub (Kamloops – Boston Bar) remains closed to rail traffic. Restoration work continues with no update to estimated time of re-opening.

#### Transport Canada Actions:

##### Civil Aviation

- NOTAMS were issued by airport operators to restrict operations to emergency support aircraft only for Langley Airport, Chilliwack Airport, and Hope Airport.

##### Marine Safety

- Is working on the details of an Interim Order to restrict the recreational use of pleasure craft in flooded areas.

### UTILITIES/ TELECOMMUNICATIONS

- BC Hydro
  - BC Hydro is reporting less than 3,000 customers affected with outages.
- International/Interprovincial Powerlines (IPLs):
  - At present, there are no known or reported impacts to CER-regulated IPLs in BC.
- Fortis BC:
  - There are no reported Station Control or supply issues.
  - No impact to assets; standing water around the station is receding, and there remains no impact/damage to piping.



- There are no supply concerns at this time; however, with the Enbridge 30"-line shut-in, Fortis has reduced flow by 25% and is looking at ways to increase system capacity in the event there is a disruption to the 36" line.
- The company is contingency planning for different potential supply scenarios.
- Fortis, Enbridge, and NW Pipe are coordinating gas control to align operational plans. Princeton - Due to flood conditions, it has been challenging to assess the damage but FortisBC has a restoration plan in place that they are ready to execute starting Wednesday morning.
- **Telecommunications:**
  - Telus has an active outage in Spences Bridge area due to cable damage from landslide. Due to safety reasons, service technicians are standing down, and will continue to work with local authorities to ensure safe access to the site as quickly as possible. Estimated time of repair is early morning Nov. 18.
  - Shaw has outages in the CTL Region. Technicians are on site working to restore service as quickly as possible. No ETA at this time but will continue to monitor the situation and provide updates when available.
  - **ISED reports:**
    - Telecom carriers are reporting recovery to several cell sites in the affected areas and gradual stabilization of networks.
    - After a helicopter flyover, a carrier has identified a location for the installation of a fiber optic bypass. Work began early today with an aggressive target of being installed within a day or two. This will add a third route in addition to the path along HWY 99 as a contingency back-up route.
    - Some carriers reported continuing wireless congestion in the areas where evacuees are congregating.

## CROSS-MINISTRY AND AGENCY UPDATES

### HEALTH

- No new information.

### CANADIAN ARMED FORCES

#### **CAF Air Task Force (ATF):**

- 17 Nov: A CH148 Cyclone has been identified as available to the Province. A CH146 Griffon is inbound to Kamloops for an evening arrival. A CC130 Hercules is inbound to Edmonton for an evening arrival.
- 18 Nov: Both helicopters are tasked to complete a recce flight for FLNRORD/EMBC. Potential Hercules task for moving dialysis and chemotherapy patients if able to land/take off in Chilliwack.

#### **CAF Land Task Force (LTF):**

17 Nov: LTF recce team arriving in Surrey.

18 Nov: Team will receive brief at SWE PREOC to determine best plan for using land forces to include basing locations and tasks.

#### **CAF Liaison Officers:**

- 1 JTFP LO at EMBC PECC
- 1 JTFP LO at SWE PREOC
- 1 JTFP LO to arrive at CTL PROC 18 Nov.

#### **Aircraft assigned to the Province:**

- 1 x CH146 Griffon, Kamloops potentially moving to Abbotsford tomorrow 18 Nov.
- 1 x CH148 Cyclone, Victoria.
- 1 x CC130 Hercules, Edmonton

### **AIR/SAR BRANCH**

The EMBC AIR/SAR Branch was activated today in support of the evacuations due to floods.

#### **AIR BRANCH**

- Coordinated urgent GeoBC overflight for orthographic imaging of flood extent
- Open discussion of military support for overflight of Fraser river debris trap for River Forecast Centre
- Anticipating 2 med rotary wing with NVG capability
- Heavy lift helicopters are a few days out if still required
- Confirmed fuel supply at Abbotsford Airport is adequate for anticipated operations
- RCMSAR has offered assistance.

#### **High Level SAR Activation Summary: November 14/21 1300 – Nov. 16/21 1300:**

- 37 SAR Incident(s) with 290 Public Safety Lifeline Volunteers (PSLVs) responded
- 21 Civil Emergency Response(s) with 266 PSLVs responded

### **GSAR GROUP UPDATES**

#### **Southwest**

##### **Hope**

- GSAR Group is isolated due to road closures
- GSAR Group is rested

##### **Chilliwack**

- Working on clearing people from the Sumas prairie using boats and rafts
- GSAR Group is also isolated due to road closures
- Assisting Central Fraser Valley SAR as well as the RCMP in conducting rescues across the Sumas Prairie

##### **Coquitlam**

- GSAR Group not directly affected by flooding
- Regional HETs team working with CFVSAR on the Sumas Prairie South Fraser

##### **Kent Harrison**

- GSAR Group is isolated due to road closures. Only connection is with Chilliwack
- SAR trucks were caught behind a landslide but since then Rescue truck was recovered and other truck was left behind for transport to deliver evac notices.
- Some equipment recovered from behind a slide

- GSAR Volunteers delivering evacuation notices by boat
- GSAR Volunteers got a night's sleep and moral is good

#### **Central Fraser Valley**

- Directly impacted by the flooding (Sumas prairie)
- Conducting evacuations on the Sumas Prairie
- Conducted significant operations across the Sumas Prairie with support from five GSAR Groups and multiple municipal fire departments across the Southwest
- Three aircraft providing Class D Helicopter Rescue (North Shore Rescue, Coquitlam, Chilliwack), boats (Coquitlam, Ridge Meadows) and vehicles were used to rescue subjects
- As of 1400 Central Fraser Valley SAR reported the number of subjects requiring rescue had greatly decreased and it was possible to travel by vehicle across a significant portion of the Sumas Prairie

#### **Mission**

- Did a rescue of 6 subjects in their area due to road wash out
- Assisting Central Fraser Valley SAR with watercraft and personnel for evacuation of the Sumas prairie

#### **Ridge Meadows**

- GSAR Group not directly affected by the flooding
- GSAR Group has the capability to provide mutual aid
- Assisting Central Fraser Valley SAR with watercraft and personnel for evacuation of the Sumas prairie

#### **CTL SAR Group Updates:**

##### **Princeton**

- GSAR Group was exhausted as of November 15, Penticton provided coverage
- Community has been impacted by flooding waters. SAR Hall has been used for operations
- Tasked to do door to door search at residences in downtown Princeton. Still have members from Vernon, Penticton and Osoyoys on scene.
- Team is rested

##### **Nicola Valley**

- Municipality under Evacuation Order
- Response capacity is reduced, but no request for replacement
- Unable to deploy out of area, minimal resources available
- GSAR Group is doing well
- Water levels appear to be dropping; however, the Coldwater River continues to cut parts of the City

##### **Kamloops**

- High operation temp November 11 – 15 created fatigue
- Response truck has been recovered
- Active on non-flood related GSAR Incidents
- L2 SARM unavailable for several days
- Anticipating continuing an ongoing search on Saturday Nov 23rd

##### **Vernon**

- Winch is unavailable with no ETA of return
- Low in SAR Managers

## AGRICULTURE

### Report on Dairy

- 62 dairies under Evac Order. This represents about 11,000 milk cows and another 11,000+ replacement dairy stock.
- Reports from BC Dairy indicate that some dairies & animals have been evacuated, but no confirmation on exact numbers.
- Animal Nutrition Association of Canada (ANAC), BC Division issued a Notice to Producers today (Nov 17, 2021) explaining that feed grains & protein supplements would no longer be delivered to dairies, instead redirected to poultry & pork sectors.
- Feeding only forages to a dairy animal not only impacts production, but predisposes animals to health problems (i.e., ketosis; milk fever).
- Biggest issue with trapped dairy herds now is 'water'. Without water, milk cows will soon become severely dehydrated thus compromising health & life. High # milk cows now without water for 17-18 hours. This is now CRITICAL to survivability.
- Approximately 80% of BC milk supply is inaccessible.
- Industrial plants are being shorted of milk & reports of potential shutdowns. BCMMB does not generate its daily report until 4:30 pm. Fluid milk plants are a priority to get milk to first, but even those are being shorted milk.
- BC Dairy has 6 staff attempting to call all 62 dairies under Evac Order.
- Severe infrastructure damage to barn and equipment. Will be high demand to get contractors in and building supplies and time to repair and get many dairies operational again.
- Many reports of manure pits that are full and overflowing, and milk is being dumped into pits and part of overflow. No where else to dispose of the milk.

## PROVINCIAL REGIONAL UPDATES

### SOUTHEAST REGION (SEA)

The **SEA PREOC** is not activated, but Regional Duty Managers are responding to flooding within the region.

**Regional District of East Kootenay** - RDEK EOC activated at Level 2 in support of both the City of Fernie and RDEK flood response.

- **RDEK EA "A" – Hosmer:**
  - An Alert was issued for 11 homes, now rescinded.
  - On Nov. 16, Water Stewardship issued RDEK an emergency in-stream works permit to allow equipment to clear out approximately 200 m3 of material at the confluence between Mine and Hosmer Creeks, allowing flood waters to return to the creek channel. This work was successfully completed on Nov 17.
- **City of Fernie:**
  - Coal Creek scoured and undercut Coal Creek Rd and Montane Parkway making them impassable.
  - Several public buildings experienced minor flooding and several calls for basement flooding. Hartley Creek flooded Hwy 3 with a detour in effect via Dicken Rd.
  - A sewer trunk line near Zwaryck Rd may become compromised if further scouring occurs. Geotechnical expertise is required to assess bank stability.
  - The community suffered significant damage to recreational areas, including a soccer field and the majority of Fernie's in-town trail network.

## CENTRAL REGION (CTL)

**CTL PREOC** has activated in response to flooding.

### KEY CTL REGIONAL INFORMATION

Total Active Alerts: 6 (-3)

Total Orders: 13 (-1)

Total States of Local Emergency: 7(+2)

Total Band Council Resolutions: 4(+1)

### FIRST NATIONS

- Coldwater First Nation
  - Band Council Resolution.
  - IR #2 has been isolated and is without water and power.
- Cook's Ferry Indian Band
  - Band Council Resolution.
  - One Alert for IRs #2, 3, 4A, 4B, 4C, 5, 5A, 6, 8, 8A, 9, 10, 11, 11A, 16, 17, 18, 19, 20, 21 & 22.
  - Two Orders for #1 and IR#7.
- Lower Similkameen Indian Band
  - Band Council Resolution.
  - Chopaka bridges have been compromised and are closed in both directions.
  - One Alert for Chopaka IR #7/8; Similkameen IR #2, Alexis IR #9, Ashnola IR #10.
- Lytton First Nation
  - Community is without power.
  - Water system currently not operational.
- Nicomen Indian Band
  - Bridge has been washed out
- Nooaitch First Nation
  - Band Council Resolution.
  - Two bridges washed out.
  - Community is isolated and without power.
  - Community is sheltering in place.
  - A reconnaissance flight occurred November 17, 2021 with members from Nooaitch Indian Band and staff from FLNRORD
- Okanagan Indian Band
  - 1 Alert issued for located North of Westside road from 12020 Westside Road to 11820 Westside Road including residents on Tatalux and North Tatatlux Roads
- Siska First Nation
  - BCR and SOLE issued on Nov. 16, 2021
- Shakan First Nation
  - Band Council Resolution Declared
  - Evacuation Order issued for IR# 11
  - Community is without power as of November 16, 2021
- Skuppah Indian Band
  - George Rd washout has caused there to be no access to the water treatment plant.
  - IR #4 water intake has been washed out.
  - Currently relying on the remaining water supply in their reservoir.

## **LOCAL AUTHORITIES**

- Columbia Shuswap Regional District
  - Activated the EOC to a level one on November 15, 2021 in response to flooding and sandbag requests.
- District of Lillooet
  - Activated November 15, 2021 to provide ESS to people stranded due to road closures - Lillooet Friendship Centre Society providing group lodging and assisting with food when necessary.
- City of Merritt
  - State of Local Emergency Declared.
  - Evacuation Order Issued: Entire Community (approx. 7800 people), due to failure of sewage treatment plant (unsanitary conditions).
  - The wastewater treatment plant is down, with no estimated date for bringing it online
  - The water system is contaminated because of a well malfunction and the City has turned the water off.
  - Middlesboro Bridge has collapsed.
  - Water levels have receded significantly.
  - Barricade systems have been formalized and currently bridges are not being crossed for any reason until structural assessments are completed.
- Town of Princeton
  - State of Local Emergency declared.
  - 3 Evacuation Order Issued: Properties along the Tulameen River. **RESCINDED**
  - 3 Evacuation Alerts Issued: Properties along the Similkameen & Tulameen Rivers.
  - The sewer system is up and running with minor silt issues.
  - Boil water advisory in place; downtown core is under “do not consume” order.
- Regional District Okanagan-Similkameen
  - EOC Activated
  - RDOS EAB – 1 Alert for low-lying properties along the Similkameen River. 1 order for 4 properties on Chopaka Road.
  - RDOS EAG – 1 Alert for low-lying properties along the Similkameen River, 1 order for properties Schedule 1.
  - RDOS EAH – 1 Alert for low-lying properties along the Similkameen River, 2 orders for the community of Coalmont.
  - RDOS – Keremeos – One Alert for low-lying properties along the Similkameen River within the Village of Keremeos. **RESCINDED**
- Thompson Nicola Regional District
  - TNRD – Nicola - RCMP requested to assist with wellness checks and determine if evacuation is required. TNRD co-ordinating transport of rescues from Merritt to Kelowna for ESS.
  - TNRD – One Alert issued for the following Electoral Areas:
    - Electoral Area “I” (Blue Sky Country) **RESCINDED**
    - Electoral Area “M” (Beautiful Nicola Valley – North) **RESCINDED**
    - Electoral Area “N” (Beautiful Nicola Valley – South) **RESCINDED**
  - TNRD – Brookmere – 2 Orders for 51 properties in Brookmere and 2 properties in EA “N”. **RESCINDED**

## SOUTHWEST REGION (SWE)

**SWE PREOC** activated today in response to flooding.

### KEY SWE REGIONAL INFORMATION

Total Active Alerts: 10

Total Orders: 16(+6)

Total States of Local Emergency: 7(+2)

Total Band Council Resolutions: 0

### FIRST NATIONS

- Chawathil First Nation
  - EOC activated for flooding. 1 home is flooding and material is sliding off bluffs around the community
- Kwikwetlem First Nation
  - EOC activated for flooding.
  - Put on flood alert from BC Hydro Dams. **RESCINDED**
- Leq'á: mel First Nation
- Lower SStl'atl'imx (LSTC)
  - Approximately 60 households are without power in Samahquam and Skatin.
  - LSTC has spoken to FLNRO, BC Hydro, and Lizzie Bay/IRM to coordinate efforts to restore power and access. FLNRO and BC Hydro will have assessment crews out first thing 2021NOV16 to begin the repair/reconnection of power lines and routes
  - In-SHUCK-ch FSR - Road access to north to Pemberton has not been established for all communities.
- Musqueam First Nation:
  - EOC activated due to flooding.
- Matsqui First Nation
  - Band Council Resolution
  - Requested sandbags and sand due to localized flooding on IR 2 and IR 4.
- Peters First Nation
  - EOC activated due to flooding.
- Seabird Island
  - EOC activated for flooding.
  - Group lodging was set up for stranded motorists. Breakfast and lunch provided for 8 truck drivers.
  - Currently Seabird Island has endured flooding of several homes and is still in high water advisory. Crews are assessing damage.
  - TELUS fiber connection from Hope is not functional, temporarily lost communication
- Shxw'ha:y Village First Nation
  - EOC is activated in support of the flooding and landslide response in the region
- Shsw'ow'hamel First Nation
  - EOC activated for flooding.
- Skawahlook First Nation
  - EOC activated for flooding.
- Soowahlie First Nation:

- EOC activated for flooding.
  - Currently no power or water due to flooding activity.
- Spuzzum First Nation
  - EOC activated for flooding
  - Flooding is impacting drinking water in community
- Squamish First Nation:
  - EOC activated for flooding.
- Sts'ailes First Nation:
  - Currently 2 flooded houses and 1 mobile home with water underneath. Community is currently out of sandbags.
- Sumas First Nation
  - EOC activated for flooding

#### **LOCAL AUTHORITIES**

- City of Abbotsford
  - State of Local Emergency declared
  - 4 Evacuation Orders Issued
    - Straiton Road (22 Homes)
    - Sumas Prairie including the area bordered by Sumas Mountain, DeLair Road and Old Yale Road to the North, The USA Border to the South, Chilliwack City border to the East, The Ridge West of Railway Road to the West (1700 Homes)
    - The order was partially rescinded for the Huntingdon Area of Sumas Prairie including Huntingdon Village and area west of Sumas Way between the US Border to Lonzo Avenue and were placed back on Alert
    - Alert for Sumas Prairie including the area bordered by Sumas Mountain, Delair Road and Old Yale Road to the North; the US border to the south; Chilliwack City border to the east; and the Ridge West of Railway Road to the west (300-500 homes)
    - Total numbers of homes on orders are still to be determined.
  - 8 Evacuation Alerts Issued
    - Sumas Prairie: The Southern Rail Line to the West, Whatcom Road to the East, Highway 1 to the North, United States Border to the South (1700 Homes).
    - for Matsqui Village: Grace Road North to the Matsqui Slough (12 Homes).
    - Clayburn Area: Clayburn Village and surrounding area (30 Homes).
    - Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place (12 - 15 Homes).
    - Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road (30 Homes).
    - Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road; Westside of Sumas Way to West of Riverside Road, East of Sumas River Dike to Boundary Road (140 Homes).
- Bowen Island
  - EOC activated due to flooding
- City of Chilliwack
  - 1 Alert for Yarrow, from Boundary Road to Browne Road, and from the Vedder River to Majuba Hill Road.



- 4 Orders, Yarrow, from Boundary Road to Browne Road, and all Majuba Hill and 4 properties on Yale Road and 3 properties on Chartwell Drive. Added Nov 17, one property on Yale road and one on Old Orchard Road.
- Coquitlam
  - EOC activated to coordinate provision of support, equipment and staffing for other communities.
  - No uncontrolled flooding or other emergency conditions in Coquitlam
  - Specialized rescue services (Coquitlam Fire Rescue) and/or EOC/ESS trained staff available to support other communities if needed.
- Delta - EOC Activated in response to issues related to flooding and high winds
- Fraser Valley Regional District
  - State of Local Emergency Declared
  - 1 Alert for Chilliwack River Valley, FVRD Electoral Area "E" for 7 properties on O'Byrne Road.
  - 5 Orders:
    - FVRD EA "B" for 3 properties on Fish Camp Road and 5 properties on Othello Road.
    - FVRD EA "D" for 1 property on Bridal Falls Road (24 people).
    - FVRD EA "E" for 4 properties on Auchenway Road.
    - FVRD EA "E" for 13 properties on Chilliwack Lake Road and 8 properties on Wilson Road.
    - FVRD EA "H" for 17 properties on Lakeshore Drive.
- Village of Harrison Hot Springs – EOC activated due to flooding in the Miami Slough.
- District of Hope
  - Access from all Highways (1,3,5) cut off.
  - Significant power outages for much of the day (w/hospital on generator)
  - Currently no food in town due to no power. Stores/restaurants closed.
  - Meal flown in via helicopter 2021NOV16 and provided by Salvation Army.
  - Food and cot delivery continued today.
- District of Kent
  - 1 Orders for Rockwell Drive, Rockwell Lane, Rockwell Place, Pirates Lane, Thunderbird Crescent, and Dogwood Lane (6 homes).
  - All properties on Rockwell Drive corridor have been placed on Evacuation Order.
  - Approximately 275 people rescued from Highway 7 on Nov. 15
  - Crews are working to make access through the slide area
- City of Langley – EOC activated
  - Rainfall caused widespread flooding on public and private property, as well as parks and trails, and sewer lift stations.
  - Multiple roads impacted due to flooding.
- Maple Ridge- EOC activated
  - The Fraser River levels continue to drop, and the Sanitary Sewer Overflow (SSO) event will transition from an EOC event to an operational response.
- Metro Vancouver- EOC activated
- Mission - EOC activated
  - 1 order issued for 8 properties located on the 8400 block of Bembow Street in Hatzic (8 properties).
- New Westminster – EOC standing down.

- Pemberton – EOC activated.
  - The neighbourhoods of the Peaks, Pioneer Junction, the Trailer Park on Hwy 99, the Industrial Park and One Mile Lake area have all have experienced substantial flooding.
  - A sandbag station has been set up at Municipal Hall.
- Pitt Meadows
  - Determining flood spill conditions and possible scenarios from the Alouette Dam
  - Notification to some properties along the Alouette/Pitt Rivers.
- Port Coquitlam - EOC activated.
- Squamish Lillooet Regional District – EOC activated.
  - The continued closure of the Duffy Lake Road / Hwy 99 and other closures are constraining access around the regional district, and there are a number of stranded travellers in the S2S member municipalities who are unable to get home currently.
- Sunshine Coast Regional District – EOC activated.
  - Stormwater flooding and erosion has impacted public services (drinking water, fire flows, roads, transit, wastewater treatment, parks) in 35+ locations, regionally. Fortis reports exposed gas line at Stephens Road and Lower Road and are preparing for re-routing and/or shutoff.
- Surrey – EOC Activated.
- Vancouver
  - EOC activated for flooding

## VANCOUVER ISLAND AND CENTRAL COAST REGION (VIC)

**VIC PREOC** activated today in response to flooding.

### KEY VIR REGIONAL INFORMATION

Total Active Alerts: 1

Total Orders: 1

Total States of Local Emergency: 1

Total Band Council Resolutions: 0

### FIRST NATIONS

- Halalt First Nation:
  - 150 evacuees, Flooding for 30 homes due to a watermain break and overland flooding. RDA for 2 homes requested, CVRD assisting.
- Snuneymuxw First Nation:
  - 25 evacuees (approximate), reviewing impacts to several septic tanks in the area.
- Penelakut First Nation:
  - 50 evacuees (approximate.)
- Cowichan Tribes:
  - 120 evacuees (approximate).
  - Evacuation order remains in place for Sahilton road, alerts remain in place for other areas impacted by the flood as river is still very high, with rain in the forecast.
- Pauquachin First Nation
  - Flooding event. Pumps likely needed.

### LOCAL AUTHORITIES

- Cowichan Valley Regional District:
  - Major flooding event taking place in the Cowichan region due to heavy rainfall over the past 48 hours - Multiple road closures (incl. highway), restricting areas throughout the region, including within the boundaries of the Municipality of North Cowichan.
  - SOLE was issued at 1100 hrs on 2021-11-15 - 4 Evacuation Orders in effect - incl. CVRD, Cowichan Tribes, Halalt and Penelakut First Nations.
- Nanaimo Regional District:
  - States of Local Emergency in place.
  - 1 Evacuation Order remains, 2 orders rescinded: Nanaimo River and Cedar Grove/Riverside/Waters Road.
- Capital Regional District
  - EOC Activated. Highway 1 in both directions reduced to single, alternating route on Malahat. Some localized power outages throughout the CRD. Water service in Fulford Harbour area down for 21 households.
- District of Sooke
  - EOC Activated.
- District of Highlands
  - EOC Activated.
- City of Langford
  - EOC Activated.
  - 20+ properties on alert.
- Central Saanich
  - EOC activated
  - Localized flooding throughout the district. Supporting Public Works within the Brentwood Bay area, liaising with Saanich Peninsula Hospital with resources as needed and status update.

### **Key Internet Links:**

**Avalanche Canada Weather Forecast** [Drying out at last \(avalanche.ca\)](https://www.avalanche.ca/)

### **Emergency Info BC**

<https://www.emergencyinfobc.gov.bc.ca>

**BC Hydro Outage Map** <https://www.bchydro.com/power-outages/app/outage-map.html>

### **BC River Forecast Centre**

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/drought-flooding-dikes-dams/river-forecast-centre>

### **Drive BC**

<https://www.drivebc.ca/mobile/events/index.html>

**Information about Disaster Financial Assistance is available on the DFA web site at**

<http://www.gov.bc.ca/disasterfinancialassistance>

**APPROVED BY:**

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PECC Director

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