

## **AFF Flooding and Debris Flow Incident Update - Monday, November 15, 2021 @ 18:30**

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From: Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>  
To: AFF Emergency Incident Notifications <INCIDENT@Victoria1.gov.bc.ca>  
Sent: November 15, 2021 6:38:24 PM PST  
Attachments: SWE PREOC Situation Report #2 2021NOV15.pdf, Situation Map #2 2021NOV15.pdf  
Greetings,

The following information is being provided to update on current AFF response actions in support of our emergency management partners and producers for this event. The SWE PREOC situation report and map have also been attached for your information (no other sitreps have been received from other activated PREOCS or the Provincial Emergency Coordination Center [PECC] at this time).

### **Overview**

- All provincial highways to the interior are currently closed with no estimates yet available on estimated times for re-opening
  - Both the Coquihalla (Highway 5) and the Fraser Canyon (Highway 1) have experienced significant impacts and are not anticipated to be open for a least several days
  - The Duffy Lake road (Highway 99) and the Crows Nest (Highway 3) has also suffered impacts from flooding and debris flows and will require additional assessment to determine potential re-opening times
- There are also a significant number of provincial and local roadways impacted within the Lower Mainland area impacting ability to move around within the region
  - As of this afternoon there was no access between Hope and other areas of the Lower Mainland with no estimates available for re-opening
- There have also been impacts to the transportation network on Vancouver Island including the Malahat and roadways within the Cowichan Valley Regional District
- A number of communities and areas in both the Lower Mainland and the interior have been isolated without road access as a result of the flooding and debris flows
- Ministry of Transportation and Infrastructure (MOTI) has been advised that the CP rail line between Chilliwack and Hope has been impacted with no rail traffic currently able to move through this area
  - MOTI did not have an estimate from CP for the re-opening of this line
  - MOTI is also reaching out to CN and the railways regarding any other current impacts to provincial rail lines
- BC Hydro has reported that as of this afternoon there were 45,000 customers without power around the province
  - Access issues are limiting Hydro's ability to fully assess damage and make timing estimates for the restoration of power
  - Power poles have been impacted in a number of areas that will increase the time it takes to restore power
- Weather is forecasted to improve (in terms of rainfall) with the system continuing to move eastward and a drying trend occurring over the next couple of days
  - High winds are forecast for tonight for areas of the coast and southern interior
  - Temperatures are also decreasing (limiting further mid-elevation snow melt) with a snowfall warning posted for the Coquihalla highway

### **Agricultural Impacts**

- EMBC Central Provincial Regional Emergency Operations Center (CTL PREOC) in Kamloops requested AFF support with the ongoing response
  - An AFF emergency responder was activated and deployed to the CTL PREOC today
  - No specific impacts or requests for support have been reported to the AFF responder at the CTL PREOC as this time
- EMBC SWE PREOC contacted AFF today with requests for assistance from 2 local authorities in the Lower Mainland area today
  - A producer in the District of Kent was initially requesting to relocate livestock but decided not to proceed as water levels began receding
  - A producer in the Township of Langley called the local authority for livestock relocation assistance but the call was dropped

- The Township of Langley did not have the producer's contact info to call back, and the producer has not made further contact with the township at this time
- No requests for support have been received from the Vancouver Island (VIR) PREOC
- Agricultural producers continue to be impacted due to loss of power, loss of road access and damage or impacts to their operations from flood waters and debris flows
  - Producers requiring immediate support are directed to contact their local authority or First Nation who are responsible for leading the response within their area of jurisdiction
    - AFF's role is to provide advice and support based on Local Authority / First Nations request for AFF support via EMBC
  - Emergency support is provided on a priority basis based on the BC Emergency Management System response goals as follows:
    - 1. Ensure the health and safety of responders 2. Save lives 3. Reduce suffering 4. Protect public health 5. Protect infrastructure 6. Protect property 7. Protect the environment 8. Reduce economic and social losses
- Impacts reported to date include:
  - Direct impacts to some crops and / or agricultural lands due to debris flows (deposition, erosion) and flood waters (inundation, erosion)
  - Highway and road closures are impacting producers ability to receive feed, other required deliveries, and have their products pickup for transport to market (ex: milk)
  - See today's previous incident email for additional agricultural impact information

The next incident update will be provided on Tuesday, November 16<sup>th</sup>. Please contact me if you have any questions or concerns at this time.

Thank you,

Graham Knox  
 Director, Emergency Management  
 Corporate Policy and Priorities Branch  
 BC Ministry of Agriculture, Food and Fisheries  
 Phone: 778-698-4949  
 Cell: 250-886-4761  
[AFF Emergency Management](#)

**Event: Atmospheric River**

**Date/Time Issued:** 2021-11-15; 1700hrs

**Task #:** 223862

**Operational Period:** 2021-11-15

**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: 10      Activated TEAMS: 3      Agency: 4

**The next Situation Report will be issued:** 2021-11-16 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

**Environment Canada**

- Environment Canada has issued the following weather warnings:

Rainfall warnings are in effect for:

- Coquihalla Hwy – Hope to Merritt, Fraser Valley including Metro Vancouver, Fraser Valley, Howe Sound, Sea to Sky - Squamish to Whistler, Whistler, Sunshine Coast - Gibsons to Earls Cove
- Total rainfall up to 180 to 250 mm. Rising freezing levels with melting snow giving rise to increased river flows and localised flooding. So far, the highest rainfall amounts near 180 to 200 mm have been observed over central and eastern Fraser Valley. Additional rainfall amounts near 50 mm are expected today

Wind warnings are in effect for:

- Howe Sound, Metro Vancouver, Fraser Valley east including Hope

Snowfall warning in effect for:

- Coquihalla Hwy – Hope to Merritt. Heavy snow tonight, snowfall accumulation 15 to 25 cm

**River Forecast Centre**

- The River Forecast Centre is upgrading to a Flood Warning for:
  - Coquihalla River
- The River Forecast Centre is upgrading to or maintaining a Flood Watch for:
  - Sea to Sky (upgraded)
  - Howe Sound (upgraded)
  - North Shore Mountains (upgraded)
  - Fraser Valley including surrounding tributaries
  - Fraser Canyon tributaries, including tributaries around Hope
  - Chilliwack River
- The River Forecast Centre is maintaining a High Streamflow Advisory for:
  - Sunshine Coast
  - Metro Vancouver
- The next Coordination Call will be 2021NOV16 @ 0900hrs

- **Total Active RCs: 4**
- **Total Active Alerts: 7**
- **Total Orders: 4**
- **Total States of Local Emergency: 4**
- **Total Band Council Resolutions: 0**

## WEATHER FORECAST FOR – 2021NOV16

### Abbotsford

- Monday PM Mainly cloudy with 40 percent chance of showers late this evening and overnight. Wind southwest 60km gusting to 80 diminishing to 20 early this evening. Low plus 4
- Tuesday AM Clearing in the morning. Wind southwest 20 km/h. High 9
- Tuesday PM Clear. Low minus 1

### Pemberton

- Monday PM Mainly cloudy. Flurries beginning this evening. Local amount 2 to 4 cm. Wind southwest 20 km/h becoming light this evening. Low minus 3
- Tuesday AM A mix of sun and cloud. Clearing near noon. High plus 3
- Tuesday PM Clear. Low minus 8

## 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

### 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

### Skawahlook First Nation:

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

### Seabird Island

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



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

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

#### **LOCAL AUTHORITIES**

##### **Abbotsford:**

- **Incident:** Heavy rainfall has resulted in several localized mudslides and flooding
- **Alerts: 7**
  - 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
  - Matsqui Village: Grace Road North to the Matsqui Slough
  - Clayburn Area: Clayburn Village and surrounding area
  - Eagle Mountain Areas: Cranberry Court, Briarwood Place, Doneagle Place
  - Ten Oaks: Mount Blanchard Court, Mount Blanchard Drive and Old Clayburn Road
  - Sumas Prairie: Westside of Whatcom Road, East of Huntington Village, Southside of Vye Road
  - Straiton Areas: Dawson Road East of Sumas Mountain Road
- **Homes Alerted:** unknown
- **Orders: 2**
  - Issued 2021NOV15 for 5 units on Straiton Road
  - Issued 2021NOV15 for Sumas Prairie including the area bordered by: Sumas Mt. and Yale Rd to the North, The USA border to the South, the Sumas River Dike to the East and Sumas Way to the West
- **Homes Ordered:** 5 units
- **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
- 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
- 2021NOV14: Fire and Police are currently sandbagging and debris clearing
- **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

##### **Burnaby:**

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

##### **Chilliwack:**

- **Incident:** Heavy rainfall has resulted in several localized mudslides and flooding causing travellers to be stranded
- **Reception Centre: 1** – Chilliwack Secondary School, 46363 Yale Road
- Due to the high stream flows, the following parking areas along the Vedder Greenway will be closed until further notice: Vedder Park, Peach Park, Lickman Parking lot, Keith Wilson Bridge, No. 3 Road, Browne Road, Giesbrecht Road
- The public are asked to stay away from the Vedder River (including adjacent trails) and other fast moving water
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to Local Government website for list of closures

#### Fraser Valley Regional District:

- **Incident:** Heavy rainfall causing overland flooding and mudslides
- **Orders: 2**
  - Issued 2021NOV14 at 1130hrs for Bridal Falls Area, FVRD Electoral Area "D" for 1 property on Bridal Falls Road
  - Issued 2021NOV15 at 0030hrs for Chilliwack River Valley, FVRD Electoral Area "E" for 4 properties on Auchenway Road
- **State of Local Emergency: 1** - declared 2021NOV14 at 2230 for all Electoral Areas of the FVRD to remain in force until 2021NOV21 at midnight
- **Homes Evacuated:** to be confirmed
- **Reception Centre(s): #**
- **Individuals Registered with ESS: #**
- 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
- Multiple landslides have created road closures at Hwy 1
- 24 people or 5 various groups with pets require shelter, these are mostly stranded travellers

#### 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

#### 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
- Sunshine Valley Fire Chief indicated that Highway 3 is closed and many people are stranded. The fire hall is open all night and people can register for ESS
- Currently there is no power in District of Hope
- The EOC was relocated to the Hospital
- Evacuations are taking place on the Coquihalla River

#### District of Kent:

- **Incident:** Landslide threatening people and property along Rockwell Drive
- **Alerts:**
- **Orders:**
- **State of Local Emergency: 1** – declared 2021NOV14 for Rockwell Drive and expires 2021NOV21 at midnight
- **Homes Alerted: #**
- **Homes Evacuated: 6**
- **Reception Centre(s): #**
- **Individuals Registered with ESS: #**
- Multiple landslides on Rockwell Drive (6500, 6900 and 7000 blocks). A tactical evacuation of 6 properties was performed on 2021NOV14

- Evacuation Notices have been verbally delivered to those residents residing in the s.22 . All other residents south of this location are on Evacuation Alert
- **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
- BC Hydro is working on deactivating the powerlines in the area
- 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**
- A mud slide has occurred at s.22 in Langley. The Township is on scene assessing the damage
- 2 adults have been provided 1 night accommodation

#### Mission:

- **Incident:** Localized flooding and mutual aid
- EOC activated due to localized flooding and to provide mutual aid to Abbotsford

#### New Westminster:

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

#### Pemberton:

- **Incident:** Flooding
- EOC activated 2021NOV15 due to flood activity

#### Pitt Meadows, City of

- **Incident:** Heavy rainfall has resulted in multiple roads flooding
- Multiple roads flooded, Public Works is on scene
- A number of properties could be affected by flood. The city is monitoring the situation and will issue an evacuation order if necessary

#### 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

#### Richmond:

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

#### Squamish Lillooet Regional District:

- **Incident:** Flood threat to properties
- EOC activated 2021NOV15 due to flood threat to properties and water levels continue to rise

#### 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

#### Surrey:

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

#### HEALTH INFORMATION

No impacts reported

#### LIVE STOCK IMPACTED

No impacts reported

#### TRANSPORTATION IMPACTED

##### Drive BC

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 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. Detour in effect. Assessment in progress. Estimated time of opening not available. Detour onto Bridal Falls Rd to Hwy 9

Highway 1 Both Directions - Highway 1, in both directions. Travel advisory in effect between Annis Rd and Exit 170 for 35.0 km (1 km east of Chilliwack to Hope). Heavy rain. Mudslide. Assessment in progress. Mudslide events and flooding east of Chilliwack, avoid unnecessary travel, expect closures and major delays

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

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

Highway 7 Both Directions - Highway 7, in both directions. Flooding between 240 St and 272 St for 6.3 km (Maple Ridge). Road closed. Detour in effect

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

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

Chancellor Boulevard (UBC), westbound. Flooding at Acadia Road in Vancouver. Westbound lane closure

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

## UTILITIES IMPACTED

### BC Hydro

- 2021NOV15 1148 update: There are currently 63 outages for the Lower Mainland and Sunshine Coast with 23,528 customers affected in various areas. Cause of outages are due to wires down, mud slides and adverse weather, some outages are still under investigation
- A flood alert is now in effect downstream of Wahleach Dam. Spill via free crest spillway is occurring at Wahleach Dam, water levels may rise above the banks, flooding land and impacting residential areas
- 2021NOV14 2145 update: A large outage caused by landslides is currently affecting customers in Hope, Spuzzum, Yale and surrounding communities. Where safe, crews have been patrolling the damaged lines to plan repairs. Due to deteriorating conditions and additional slides, crews have been unable to restore the majority of customers still without power in Hope and they will remain without power overnight. Crews will continue to work throughout the night to repair damage where possible and safe to do so

**For more information:** <https://www.bchydro.com/power-outages/app/outage-list.html>

## USEFUL LINKS/RESOURCES

[River Forecast Centre](#)

[Drive BC](#)

[Environment Canada](#)

[Avalanche Canada Weather Forecast](#)

[BC Hydro](#)

### APPROVED BY:

*Original signed by*

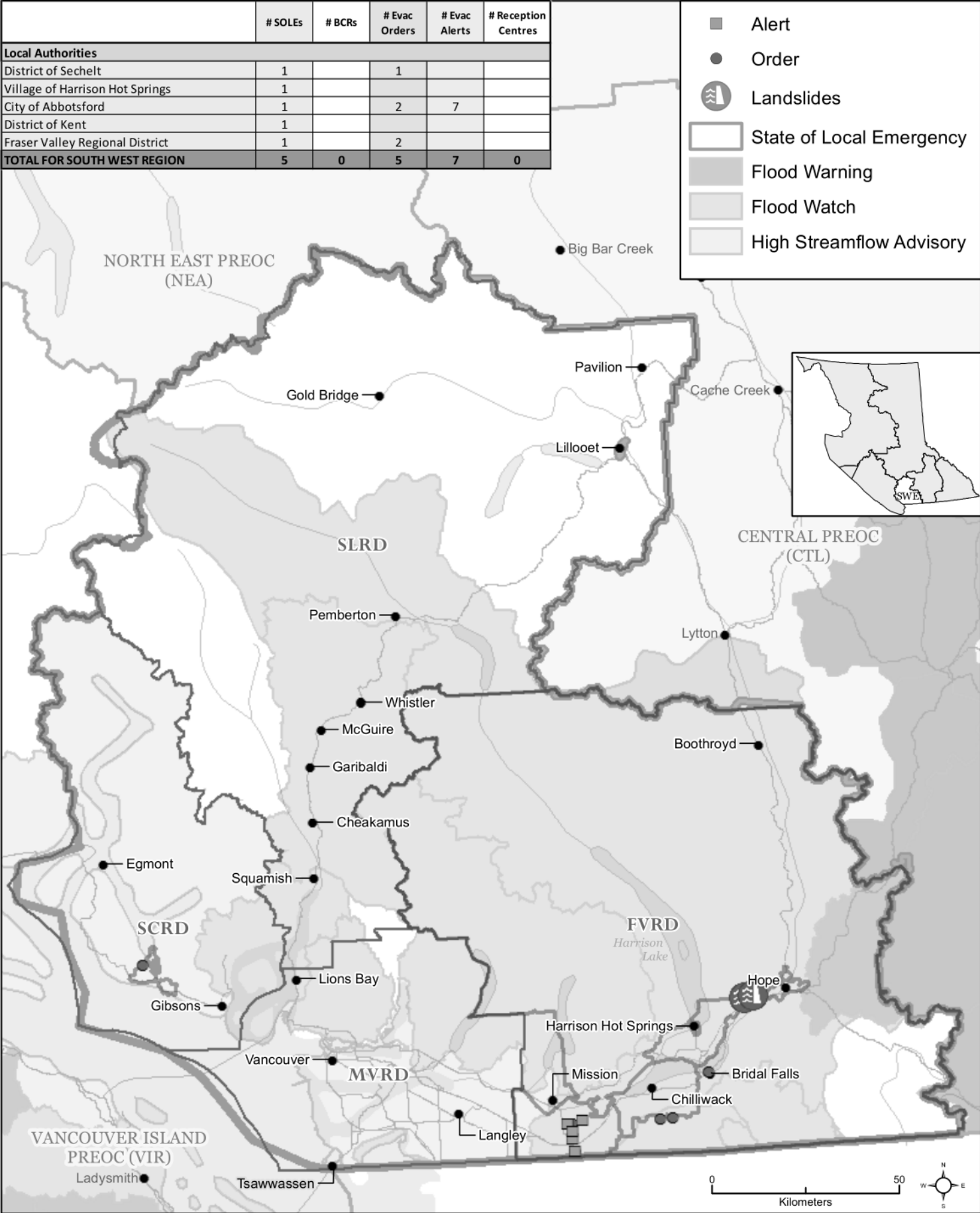
Ken Meeks

**PREOC 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.

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

2021-11-15



UPDATED 2021-11-15 Time: 16:37

File: W:\lmb\PEP\response\SWE\task223863\_ISC\_AtmosphericRiver\arcgisprojects\task223863\_sitmap\_8x11\_20211115.mxd

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

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From: Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>  
To: AFF Emergency Incident Notifications <INCIDENT@Victoria1.gov.bc.ca>  
Sent: November 15, 2021 11:22:28 PM PST  
Attachments: 21\_PECC SitRep\_Nov 15\_2021\_#1\_FINAL.pdf  
Greetings,

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

Thank you,

Graham Knox  
Director, Emergency Management  
Corporate Policy and Priorities Branch  
BC Ministry of Agriculture, Food and Fisheries  
Phone: 778-698-4949  
Cell: 250-886-4761  
AFF Emergency Management



**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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## Premises Under Evacuation Order/Alert of 0900 Hf November 17 2021

From: Hopperstead, Anders AFF:EX <Anders.Hopperstead@gov.bc.ca>  
To: AFF Emergency Management Interior AFF:EX <Emergency.Management.Interior@gov.bc.ca>, Ethier, Tom AFF:EX <Tom.Ethier@gov.bc.ca>, Lalani, Arif AFF:EX <Arif.Lalani@gov.bc.ca>, McGuire, Jennifer AFF:EX <Jennifer.Mcguire@gov.bc.ca>, Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>, Raymond, Mark AFF:EX <Mark.Raymond@gov.bc.ca>  
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Sent: November 17, 2021 9:45:25 AM PST  
Attachments: PremisesID\_EvacOrderAlert\_Report\_20211117\_0900.xlsx  
Hello Team,

Please find attached the latest report on registered livestock premises under Evacuation Order or Alert due the flooding/landslide events of the past few days. There is one more premises under Alert in the RD of Okanagan-Similkameen since the last report. The totals are currently **190** premises under Evacuation Order and **83** premises under Evacuation Alert.

There are now **40** Evacuation Order or Alert Areas active in the province as a result of this week's flooding. Only **9** of these Order/Alert areas impact registered livestock premises)

Quick refresher on what this report communicates:

**Estimated Animal Numbers:** The estimates of animal numbers derived from the Premises ID database are known to be under counts due to three fundamental aspects of BC Premises ID program:

1. It is a voluntary program. Although ~6,000 livestock premises are registered in BC, that is believed to be somewhere between one-third and one-half of the actual number of livestock premises in the province
2. Not all registrants communicate animal number estimates. This is most common with operators who registered prior to 2016 via the paper form method.
3. Regulated industry premises (which are 100% registered) are not required to share animal numbers on premises outside of event situations per MOUs with the industry associations

**\*\*NOTE\*\***

We have received preliminary rough estimates from the BC Dairy Association on dairy cattle impacted and have included that update in this report. We do not have similar data from the pork or poultry industries at this time.

**Tables in the Report (i.e. sheets in the workbook):**

- **Province\_Summary**
- **PREOC\_Summary** (only PREOCs covering events that impact registered livestock premises)
- **Event\_Summary** (only events that impact registered livestock premises)
- **Detail** (each premises within an order or alert area with Premises ID, operation type, and species type and capacity information)

**\*\*NOTE\*\***

If you are an Emergency Responder with a Premises ID system internal user account, you can look up the emergency contact information for any premises listed in this report in the Premises ID online system by searching based on Premises ID.

This report does not have separate tables for regulated industry data at this time. This event has significant regulated industry impacts due its impact on the Fraser Valley.

For reference, here are the numbers of regulated livestock operations within the Sumas Prairie/Yarrow adjacent Evacuation Orders:

Industry	Premises Under Evacuation Order (Sumas Prairie/Yarrow)
Regulated Dairy	62

Regulated Poultry	61
Regulated Pork	4
<b>TOTAL</b>	<b>127</b>

We will send an update at midday and at the end of the day. Let us know if you have any questions.

All the best,  
Anders

### **Anders Hopperstead**

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PREOC	Issuing_Agency	Event_Name	Status	Premises_ID	Species_and_Capacity	Estimated_Cattle_Beef	Estimated_CattleDairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_Poultry	Estimated_Other	Operation Type	Account Status (Active/Inactive)	RegulatedPoultry_Status	RegulatedDairy_Status	RegulatedSwine_Status	
CTL	City of Merrit	Coldwater River Flooding	Order	s.22	CattleBeef(0) & CattleDairy(0)	0	0							Feedlot	ACTIVE				
CTL	City of Merrit	Coldwater River Flooding	Order		Bison(1) & CattleBeef(2) & Donkey(1) & Goat(4) & Horse(4) & Llama(1) & Rabbit(6) & Sheep(4)	2		4	4		4		9 VeterinaryHospital	ACTIVE					
CTL	City of Merrit	Coldwater River Flooding	Order		Horse(5) & PoultryTableEgg(20) & CattleBeef(40) & CattleDairy(200)	40	200	5				20		Feedlot & FarmRanch	ACTIVE				
CTL	Cook's Ferry Indian Band	Cook's Ferry Flooding	Alert		CattleBeef(30)	30									FarmRanch	ACTIVE			
CTL	Nooaitch Indian Band	Nooaitch Flooding	Order		Horse(2) & CattleBeef(20) & Swine(0) & PoultryBroiler(0) & Sheep(0)	20		2	0	0		0		HobbyFarm & FarmRanch	ACTIVE				
CTL	Regional District of Okanagan-Similkameen	Similkameen River Flooding	Alert		CattleBeef(0) & Horse(0)	0		0							FarmRanch	ACTIVE			
CTL	Regional District of Okanagan-Similkameen	Similkameen River Flooding	Alert		PoultryTableEgg(100) & Swine(10)						10		100		HobbyFarm & OtherOperation	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	Horse(20) & CattleBeef(1000)	1000		20						FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	Horse(3) & CattleBeef(100)	100		3						FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	Horse(4) & CattleBeef(4)	4		4						FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	Horse(5) & CattleDairy(2)		2	5						HobbyFarm	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	CattleDairy(130)		130							FarmRanch	ACTIVE		ACTIVE	
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	PoultryTableEgg(40) & CattleBeef(5) & Swine(10) & PoultryTurkey(3) & PoultryBroiler(100)	5				10		143		FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	CattleBeef(30)	30								FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	Horse(7) & PoultryTableEgg(18) & CattleBeef(50) & PoultryBroiler(100) & Sheep(3)	50		7	3			118		FarmRanch	ACTIVE			
					Horse(5) & PoultryTableEgg(60) & PoultryHatchingEgg(100) & PoultryLayerPullet(90) & Swine(10) & PoultryTurkey(20) & Donkey(1) & PoultryHatchingEggPullet(100) & Bees(30) & CattleBeef(4) & PoultryBroiler(50) & Sheep(10)	4		5	10	10		420	1 HobbyFarm	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	CattleBeef(50)	50								FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N		Alert	Bees(25) & CattleBeef(5) & Goat(50) & Sheep(50)	5			50		50			Apiary & FarmRanch	ACTIVE			
					CattleBeef(2200) & Goat(6) & Horse(50) & PoultryBroiler(50) & PoultryTableEgg(35) & PoultryTurkey(20)	2200		50			6	105		FarmRanch & CompetitionFacility & AssemblyYard & PastureRange	ACTIVE				
				Peafowl(2) & Pheasant(6) & PoultryLayerPullet(29) & Rabbit(60) & Swine(10) & PoultryTurkey(1)															
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	& Alpaca(1) & Duck(25) & Sheep(43) & Geese(3)	433		6	43	10	66	61 HobbyFarm	ACTIVE						
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(6) & CattleBeef(433)									FarmRanch	ACTIVE				
				CattleBeef(60) & Horse(2) & PoultryBroiler(30) & PoultryTableEgg(25) & PoultryTurkey(40) & Swine(12)	60		2		12		95		FarmRanch & HobbyFarm & PastureRange	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(6) & PoultryLayerBreeder(50) & Swine(10) & Goat(10) & PoultryBroiler(100) & Sheep(20)			6	20	10	10	150	HobbyFarm	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(350) & CattleDairy(800)	350	800							Feedlot	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(145) & Horse(5)	145		5						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(20) & PoultryPullet(10) & CattleBeef(1700) & Swine(30) & Sheep(1)	1700		20	1	30	10		PastureRange & Feedlot & FarmRanch	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(7) & CattleBeef(3) & Swine(60) & Goat(8) & Duck(8)	3		7		60	8	8		FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(6) & CattleDairy(7000)		7000	6						PastureRange & Feedlot & FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(100)	100								FarmRanch	ACTIVE				
				Horse(30) & PoultryHatchingEgg(50) & Bees(0) & CattleBeef(200) & Swine(20) & CattleDairy(4)															
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	& Donkey(2)	200	4	30		20		50	2 PastureRange & FarmRanch	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(4) & PoultryTableEgg(24) & CattleBeef(65) & Swine(2)	65		4		2	24		PastureRange & VeterinaryHospital &	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(0) & PoultryTableEgg(0) & CattleBeef(0) & Swine(0) & CattleDairy(0) & Sheep(0)	0	0	0	0	0	0		HobbyFarm	ACTIVE					
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(4)			4						HobbyFarm	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(1000)	1000								FarmRanch & Feedlot & PastureRange	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(800)	800								PastureRange & FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(50) & Swine(6) & CattleDairy(500)	50	500			6				FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleDairy(1200)		1200							FarmRanch	ACTIVE		ACTIVE		
				Horse(2) & PoultryTableEgg(22) & PoultryHatchingEggTurkey(8) & PoultryHatchingEgg(10) & PoultryLayerBreeder(10) & Goat(4)				2		4	50	HobbyFarm & PastureRange & FarmRanch	ACTIVE						
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(300) & Horse(6)	300		6						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(5) & CattleBeef(120)	120		5						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(7) & CattleBeef(10)	10		7						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(1500) & CattleDairy(600)	1500	600							FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(0)	0								FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(100) & CattleDairy(400)	100	400							PastureRange & FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(400)	400								FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(3) & CattleBeef(55) & Sheep(50)	55		3	50					FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(0) & Horse(0)	0		0						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(0) & Horse(0)	0		0						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(3)	3								FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Swine(0)					0				HobbyFarm	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(0) & PoultryTableEgg(0)	0					0			FarmRanch & PastureRange	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(0)	0								FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleDairy(900)		900							Feedlot & FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	PoultryTableEgg(6) & Sheep(4) & Swine(3)				4	3	6		HobbyFarm	ACTIVE					
				CattleBeef(22) & Donkey(1) & Duck(2) & Goat(5) & Horse(1) & PoultryBroiler(20) & PoultryPullet(12) & PoultryTurkey(20) & Swine(3)	22		1		3	5	54	1 HobbyFarm	ACTIVE						
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	PoultryBroiler(25)						25			FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(20) & CattleBeef(400)	400		20						FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(417) & Horse(4)	417		4						FarmRanch & PastureRange	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	CattleBeef(20) & Horse(5)	20		5						FarmRanch & ResearchFacility & PastureRange	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding	Electoral Area I M N	Alert	Horse(3) & CattleBeef(5) & Swine(15)	5		3		15				HobbyFarm	ACTIVE				

PREOC	Issuing_Agency	Event_Name	Status	Premises_ID	Species_and_Capacity	Estimated_Cattle_Beef	Estimated_CattleDairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_oultry	Estimated_POther	Operation Type	Account Status (Active/Inactive)	RegulatedPoultry_S tatus	RegulatedDairy _Status	RegulatedSwine_ Status	
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert	s.22	Horse(20) & PoultryTableEgg(40) & Swine(2) & Goat(4)			20			2	4	40	Boarding & FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		CattleBeef(0)	0									FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		CattleBeef(390) & Horse(5) & PoultryBroiler(25) & PoultryTableEgg(9)	390		5					34	FarmRanch	ACTIVE				
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		Horse(5) & Swine(10)			5			10				HobbyFarm	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		CattleBeef(12) & Swine(2) & PoultryBroiler(50)	12					2			50	FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		Horse(7) & PoultryTableEgg(12) & Bees(6) & CattleBeef(150)	150		7					12		FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		CattleBeef(1700) & Horse(10)	1700		10							FarmRanch & Feedlot & PastureRange	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		Horse(2) & PoultryTableEgg(13) & Swine(3)			2			3			13	HobbyFarm	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		CattleBeef(0) & Horse(0) & PoultryTableEgg(0)	0		0						0	FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		Horse(300) & CattleBeef(20000)	20000		300							PastureRange & Feedlot & FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		PoultryTableEgg(40) & PoultryTurkey(5) & Sheep(15)					15				45	FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert		CattleBeef(3000) & Horse(45)	3000		45							FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	TNRD Area I (Blue Sky Country)	Order		Bees(20) & Swine(10)							10			FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	TNRD Area I (Blue Sky Country)	Order		Swine(0)							0			FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	TNRD Area I (Blue Sky Country)	Order		CattleBeef(42)		42								FarmRanch	ACTIVE			
CTL	Thompson-Nicola Regional District	TNRD Area I (Blue Sky Country)	Order		CattleBeef(125) & Horse(4)		125		4						FarmRanch	ACTIVE			
STRAITON AREA Dawson Road East of Sumas																			
SWE	City of Abbotsford	Mountain Road	Alert		PoultryTableEgg(6)								6	HobbyFarm	ACTIVE				
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0						FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryHatchingEgg(0) & PoultryHatchingEggPullet(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryHatchingEgg(0) & PoultryHatchingEggPullet(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)								0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)		0				</								

PREOC	Issuing_Agency	Event_Name	Status	Premises_ID	Species_and_Capacity	Estimated_Cattle_Beef	Estimated_CattleDairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_Poultry	Estimated_Other	Operation Type	Account Status (Active/Inactive)	RegulatedPoultry_Status	RegulatedDairy_Status	RegulatedSwine_Status	
SWE	City of Abbotsford	Sumas Prairie	Order	s.22	Swine(0)						0			FarmRanch	DEACTIVATED			INACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)								0		FarmRanch	DEACTIVATED	INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleBeef(1000) & CattleDairy(1000) & Goat(50) & Horse(10) & Sheep(50)	1000	1000	10	50		50				AssemblyYard & Auction	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryOther(0)									0	FarmRanch	DEACTIVATED	INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	DEACTIVATED		INACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	DEACTIVATED		INACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryTableEgg(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0) & PoultryTableEgg(6)			0					6		FarmRanch	DEACTIVATED		INACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)								0		FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)								0		FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0) & Sheep(1) & Swine(3)			0		1	3				FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(180)			180							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryTurkey(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		Swine(0)							0			FarmRanch	ACTIVE			ACTIVE
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryTableEgg(0)									0	OtherOperation & FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		Swine(0)							0			FarmRanch	ACTIVE			ACTIVE
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryHatchingEgg(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryTurkey(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		Horse(0) & PoultryPullet(0) & PoultryTableEgg(0) & PoultryHatchingEgg(0) & Swine(0) & PoultryTurkey(0) & Bison(0) & Cervid(0) & CattleBeef(0) & CattleDairy(0) & PoultryBroiler(0) & Sheep(0)	0	0	0	0	0			0	0 VeterinaryHospital & OtherOperation	ACTIVE				
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryTableEgg(0) & PoultryLayerPullet(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		PoultryHatchingEgg(0)									0	FarmRanch	DEACTIVATED	INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(0) & Horse(1)			0	1						FarmRanch	ACTIVE		ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order		Swine(12)							12			HobbyFarm	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryTableEgg(0) & PoultryLayerPullet(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(400) & OtherSpecies(20)			400						20	FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	Swine(0)							0			FarmRanch	DEACTIVATED			INACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	DEACTIVATED		INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	Alpaca(2) & CattleDairy(0) & Llama(1)			0						3	FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	Horse(2) & CattleDairy(55)			55	2						FarmRanch	DEACTIVATED		INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	DEACTIVATED		INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0) & PoultryBroiler(40000)			0					40000		FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	DEACTIVATED		INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	Horse(5) & PoultryHatchingEgg(75) & Goat(6)				5			6	75		Boarding & HobbyFarm & PastureRange	ACTIVE				
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryTableEgg(0)									0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	Swine(0) & Goat(0)						0	0			FarmRanch	DEACTIVATED			INACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0) & PoultryBrolierSpecialty(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	Swine(5000)						5000				FarmRanch	ACTIVE			ACTIVE	
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	Swine(4) & Sheep(15)					15	4				FarmRanch	ACTIVE				
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleBeef(7)	7									HobbyFarm	ACTIVE				
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryHatchingEgg(0) & PoultryOther(0) & PoultryHatchingEggPullet(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryBroiler(0)									0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryTableEgg(0) & PoultryLayerPullet(0)									0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	DEACTIVATED		INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order	PoultryTableEgg(0) & Swine(0)						0		0		FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Abbotsford	Sumas Prairie	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE		

PREOC	Issuing_Agency	Event_Name	Status	Premises_ID	Species_and_Capacity	Estimated_Cattle_Beef	Estimated_CattleDairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_Poultry	Estimated_Other	Operation Type	Account Status (Active/Inactive)	RegulatedPoultry_S tatus	RegulatedDairy _Status	RegulatedSwine_ Status
SWE	City of Abbotsford	Sumas Prairie	Order	s.22	PoultryHatchingEgg(0)								0	FarmRanch	DEACTIVATED	INACTIVE		
SWE	City of Abbotsford	Sumas Prairie	Order		CattleDairy(125)		125								FarmRanch	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	OtherOperation & FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		CattleBeef(1) & Swine(15)		1				15				HobbyFarm	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTurkey(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		Duck(0) & PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		CattleBeef(4) & NoSpecies(4)		4							4	HobbyFarm	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryBrolierSpecialty(0)								0	FarmRanch	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)			0							FarmRanch	ACTIVE		ACTIVE
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTurkey(0) & PoultryBroiler(0) & PoultryOther(0) & PoultryHatchingEggPullet(0) & PoultryBrolierSpecialty(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order		PoultryOther(0)								0	FarmRanch	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryTableEgg(0)								0	FarmRanch	DEACTIVATED	INACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	Horse(2) & PoultryPullet(500) & CattleBeef(2)		2		2					500	FarmRanch	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryTableEgg(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryTableEgg(0) & PoultryHatchingEgg(0)								0	OtherOperation & FarmRanch	ACTIVE	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryPullet(99) & PoultryTableEgg(99) & PoultryLayerPullet(99) & Bees(20) & Llama(5) & Swine(15) & Alpaca(5)						15	297	10	HobbyFarm	ACTIVE				
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryBroiler(0)								0	FarmRanch	ACTIVE	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryPullet(1000) & PoultryTableEgg(300) & CattleBeef(15) & PoultryTurkey(600) & Sheep(50)		15			50			1900	FarmRanch	ACTIVE				
SWE	City of Chilliwack	the community of Yarrow	Order	Goat(50)								50		FarmRanch	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	CattleDairy(0)			0							FarmRanch	ACTIVE		ACTIVE	
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryTurkey(0)								0		Hatchery & FarmRanch	ACTIVE	ACTIVE		
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryBrolierSpecialty(0)								0		FarmRanch	ACTIVE			
SWE	City of Chilliwack	the community of Yarrow	Order	PoultryOther(0)								0		AbattoirClassAB & FarmRanch	ACTIVE			

PREOC	Issuing_Agency	Event_Name	Status	Premises_Count	Estimated_Cattle_Beef	Estimated_Cattle_Dairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_Poultry	SumOfEstimated_Other
CTL	City of Merrit	Coldwater River Flooding	Order	3	42	200	9	4		4	20	9
CTL	Nooaitch Indian Band	Nooaitch Flooding	Order	1	20		2	0	0		0	
CTL	Thompson-Nicola Regional District	TNRD - Area I (Blue Sky Country)	Order	4	167		4		10			
SWE	City of Abbotsford	Sumas Prairie	Order	149	1278	23210	38	79	5027	74	40095	24
SWE	City of Chilliwack	the community of Yarrow	Order	33	22	1000	2	50	30	50	2697	14
<b>Total Under Order</b>				<b>190</b>	<b>1529</b>	<b>24410</b>	<b>55</b>	<b>133</b>	<b>5067</b>	<b>128</b>	<b>42812</b>	<b>47</b>
CTL	Cook's Ferry Indian Band	Cook's Ferry Flooding	Alert	1	30							
CTL	Regional District of Okanagan-Similkameen	Similkameen River Flooding	Alert	2	0		0		10		100	
CTL	Thompson-Nicola Regional District	South TNRD Flooding Electoral Area I M N	Alert	79	39448	11540	801	202	240	92	2130	161
SWE	City of Abbotsford	STRAITON AREA Dawson Road East of Sumas Mountain Road	Alert	1							6	
<b>Total Under Alert</b>				<b>83</b>	<b>39478</b>	<b>11540</b>	<b>801</b>	<b>202</b>	<b>250</b>	<b>92</b>	<b>2236</b>	<b>161</b>
<b>Total Under Order or Alert</b>				<b>273</b>	<b>41007</b>	<b>35950</b>	<b>856</b>	<b>335</b>	<b>5317</b>	<b>220</b>	<b>45048</b>	<b>208</b>

PREOC	Status	Premises_Count	Estimated_Cattle_Beef	Estimated_Cattle_Dairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_Poultry	Estimated_Other
CTL	Order	8	229	200	15	4	10	4	20	9
SWE	Order	182	1300	24210	40	129	5057	124	42792	38
<b>Total Under Order</b>		<b>190</b>	<b>1529</b>	<b>24410</b>	<b>55</b>	<b>133</b>	<b>5067</b>	<b>128</b>	<b>42812</b>	<b>47</b>
CTL	Alert	82	39478	11540	801	202	250	92	2230	161
SWE	Alert	1							6	
<b>Total Under Alert</b>		<b>83</b>	<b>39478</b>	<b>11540</b>	<b>801</b>	<b>202</b>	<b>250</b>	<b>92</b>	<b>2236</b>	<b>161</b>
<b>Total Under Order or Alert</b>		<b>273</b>	<b>41007</b>	<b>35950</b>	<b>856</b>	<b>335</b>	<b>5317</b>	<b>220</b>	<b>45048</b>	<b>208</b>



Status	Premises_Count	Estimated_Cattle_Beef	Estimated_Cattle_Dairy	Estimated_Horses	Estimated_Sheep	Estimated_Swine	Estimated_Goats	Estimated_Poultry	Estimated_Other
Total Under Alert	83	39478	11540	801	202	250	92	2236	161
Total Under Order	190	1529	24410	55	133	5067	128	42812	47
<b>Total Under Order or Alert</b>	<b>273</b>	<b>41007</b>	<b>35950</b>	<b>856</b>	<b>335</b>	<b>5317</b>	<b>220</b>	<b>45048</b>	<b>208</b>

## **EMBC PECC and activated PREOC sitreps for Wednesday, November 17, 2021**

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From: Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>  
To: AFF Emergency Incident Notifications <INCIDENT@Victoria1.gov.bc.ca>  
Cc: Rainforth, Kelly A AFF:EX <Kelly.Rainforth@gov.bc.ca>, Burger, Sarah AFF:EX <Sarah.Burger@gov.bc.ca>  
Sent: November 17, 2021 9:29:22 PM PST  
Attachments: 21\_PECC SitRep\_Nov 17\_2021\_#3\_FINAL.pdf, PECC-SITREP\_17 Nov Overview Flood.pdf, Situation Map #4 2021NOV17.pdf, CTL\_SitRep\_3\_2021-11-17.pdf, SWE PREOC Situation Report #4 2021NOV17.pdf, CTL\_SitRepMap\_2021-11-17.pdf, PECC-SITREP\_17 Nov Overview Orders.pdf, 21\_PECC SitRep\_Nov 17\_2021\_#3\_FINAL.docx

Greetings,

Please find attached, the EMBC situation reports for the PECC, the SWE PREOC, and the CTL PREOC for November 17, 2021.

Thank you,

Graham Knox

*AFF MEOC Director*

Director, Emergency Management

Corporate Policy and Priorities Branch

BC Ministry of Agriculture, Food and Fisheries

Phone: 778-698-4949

Cell: 250-886-4761

[AFF Emergency Management](#)



**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
- Shxwha: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:**

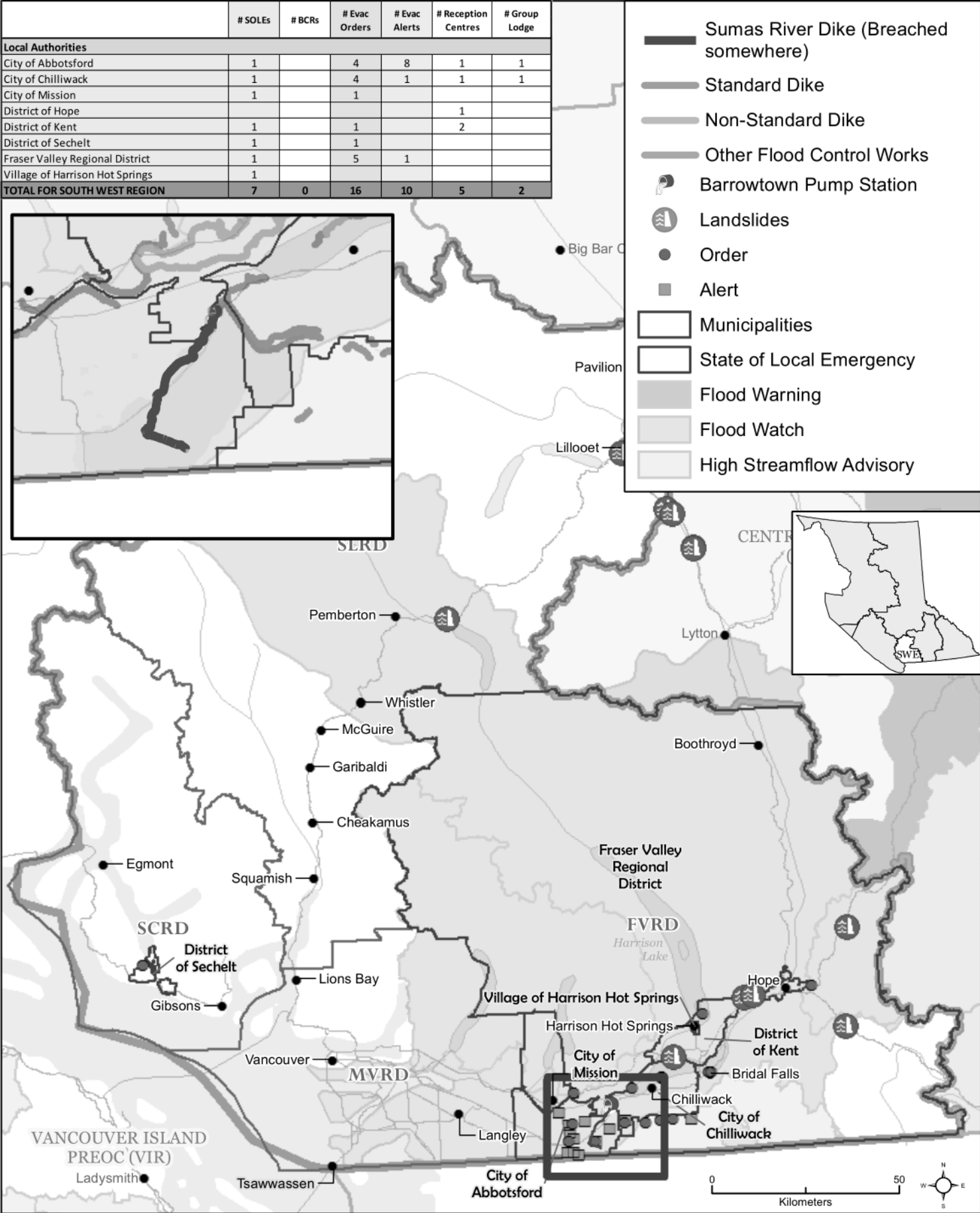
Brendan Ralfs  
PECC Director

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



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

2021-11-17



UPDATED 2021-11-17 Time: 16:49

File: W:\lmb\PEP\response\SWE\task223862\_ISC\_AtmosphericRiver\arcgisprojects\task223862\_sitmap\_8x11\_20211117.mxd

## Central Provincial Regional Emergency Operations Centre (CTL PREOC)

### SITUATION REPORT

**Event:** Central Region – Atmospheric River

**Date/Time Issued:** 2021-11-17, 15:30hrs

**EMBC Task # CTL:** 223874

**Operational Period:** 2021-11-17, 08:30hrs to 16:30hrs (or until required)

**CTL PREOC Level:** 2

**CTL Primary PREOC Email:** [preoc3.ops1@gov.bc.ca](mailto:preoc3.ops1@gov.bc.ca)

**CTL Primary PREOC Phone:** 250-312-6623

**CTL Primary PREOC Fax:** 250-371-5246

**Overall Regional Situation:** Improving

**The next Situation Report will be issued:** 2021-11-18 at 15:30hrs

**Activated EMBC Staff:** 12 **Activated TEAMS:** 5 **Activated Other:** 9

**\*\* New information in blue. Information current as of 15:00hrs**

### Key Regional Information:

#### Provincial State of Emergency

A Provincial State of Emergency was issued on November 17, 2021 at 1315 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. <https://news.gov.bc.ca/25752>

#### Disaster Financial Assistance

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>

**Event: Central Region Atmospheric River 2021**

	Central Region (CTL)
Band Council Resolutions declaring a SOLE	4 (+1)
States of Local Emergency (SOLE)	7 (+2)
Evacuation Orders	13 (-1)
Evacuation Alerts	6 (-3)

**EMERGENCY SUPPORT SERVICES SUMMARY**

	Central Region (CTL)
Evacuees Registered (to date)	2038 <sup>1</sup>
Reception Centers Open	5
GL Facilities Open	0
Commercial Lodging: Evacuees / Rooms	1307 <sup>1,2</sup> /574 <sup>1,2</sup>
Billets: Evacuees / Billet Hosts	300 <sup>1,2</sup> /156 <sup>1,2</sup>
Evacuees in Group Lodging	0 <sup>1,2</sup>

Numbers include those evacuated for Wildfire and Atmospheric River Events

<sup>1</sup>Values are approximate

<sup>2</sup>Retrieved from ERA

**FIRST NATIONS**

**Coldwater Indian Band**

**Task: 223882 Incident: 210142**

- IR #2 is isolated and without water and power
- **Alerts: 0**
- **Orders: 0**
- **State of Local Emergency: 1**
  - BCR issued to declare a SOLE on November 15, 2021 and is effective until rescinded

**Cook's Ferry Indian Band**

**Task: 223882 Incident: 210120**

- **Alerts: 1**
  - Issued a BCR for an evacuation alert on November 15, 2021 at 12:25 for IRs #2, 3, 4A, 4B, 4C, 5, 5A, 6, 8, 8A, 9, 10, 11, 11A, 16, 17, 18, 19 Firstly, 19 Secondly, 20, 21 & 22
- **Orders: 2**
  - Issued a BCR for an evacuation order on November 15, 2021 at 12:25 for IR#1
  - Issued a BCR for an evacuation order on November 15, 2021 at 12:25 for IR#7
- **State of Local Emergency: 1**
  - BCR issued to declare a SOLE on November 15, 2021 and is effective until rescinded

#### **Lower Similkameen Indian Band**

**Task: 223882 Incident: 210170**

- Chopaka bridges have been compromised and are closed in both directions
- **Alerts: 1**
  - Issued a BCR for an evacuation alert on November 15, 2021 at 14:00 for Chopaka IR #7/8; Similkameen IR #2, Alexis IR #9, Ashnola IR #10.
- **Orders: 0**
- **State of Local Emergency: 1**
  - BCR issued to declare a SOLE on November 16, 2021 at 14:00 and is effective until November 19, 2021 at 14:00

#### **Lytton First Nation**

**Task: 223882 Incident: 210134**

- Community is without power
- Water system currently not operational
- **Alerts: 0**
- **Orders: 0**
- **State of Local Emergency: 0**

#### **Nicomen Indian Band**

**Task: 223882 Incident: 210178**

- Community is isolated
- Bridge has been washed out
- **Alerts: 0**
- **Orders: 0**
- **State of Local Emergency: 0**
- 

#### **Nooaitch Indian Band**

**Task: 223882 Incident: 210132**

- Community is sheltering in place
- Community is isolated and without power
- A reconnaissance flight occurred November 17, 2021 with members from Nooaitch Indian Band and staff from FLNRORD
- Two bridges have been washed out
- **Alerts: 0**
- **Orders: 1**
  - Issued a BCR for an evacuation order on November 15, 2021 for IR# 10
- **State of Local Emergency: 0**

#### **Okanagan Indian Band**

**Task: 223882 Incident: 210175**

- **Alerts: 1**
  - Issued on November 16, 2021 at 14:00 for Residences located North of Westside road from 12020 Westside Road to 11820 Westside Road including residents on Tatalux and North Tatalux Roads
- **Orders: 0**
- **State of Local Emergency: 0**

#### Siska First Nation

**Task: 223882 Incident: 210184**

- Alerts: 0
- Orders: 0
- State of Local Emergency: 1
  - BCR issued to declare a SOLE on November 16, 2021 and is effective until rescinded

#### Shackan First Nation

**Task: 223882 Incident: 210133**

- Community is without power as of November 16, 2021
- Road closed from Porcupine Ridge Rd (9km east Spences Bridge) to Petit Creek Rd (17 km west of Merritt)
- Alerts: 0
- Orders: 1
  - Issued a BCR for an evacuation order on November 15, 2021 at 08:00 for IR# 11
- State of Local Emergency: 0

#### Skuppah Indian Band

**Task: 223882 Incident: 210179**

- 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
- Alerts: 0
- Orders: 0
- State of Local Emergency: 0

#### LOCAL AUTHORITIES

##### Columbia Shuswap Regional District

**Task: 223928 Incident: 210159**

- Activated the EOC to a level one on November 15, 2021 in response to flooding and sand bag requests
- Alerts: 0
- Orders: 0
- State of Local Emergency: 0

##### Lillooet, District of

**Task: 223922 Incident: 210160**

- Activated November 15, 2021 to provided ESS to people stranded due to road closures
- Lillooet Friendship Centre Society providing group lodging and assisting with food when necessary
- Alerts: 0
- Orders: 0
- State of Local Emergency: 0

##### Merritt, City of

**Task: 223861 Incident: 210105**

- 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
- 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
- **Alerts: 0**
- **Orders: 1**
  - Issued on November 15, 2021 at 10:05 for the entirety of the City of Merritt and replaces the initial evacuation order
- **State of Local Emergency: 1**
  - Issued on November 15, 2021 and expires at midnight on November 22, 2021

#### **Princeton, Town of**

##### **Task: 223857 Incident: 210104**

- The sewer system is up and running with minor silt issues
- Boil water advisory in place; downtown core is under “do not consume” order
- Bridge and dike assessments are expected to be done soon
- No restaurants are open due to no gas and no potable water
- **Alerts: 0**
  - Rescinded on November 16, 2021 at 15:30 for Alert issued on November 15, 2021 at 11:30 for low lying properties within the Town boundaries along the Similkameen River
  - Rescinded on November 16, 2021 at 15:30 for Alert issued on November 15, 2021 at 02:30 for low lying properties within the Town boundaries along the Tulameen River
  - Rescinded on November 16, 2021 at 15:30 for Alert issued on November 14, 2021 at 21:30 for low lying properties within the Town boundaries along the Tulameen River
- **Orders: 3**
  - Issued on November 15, 2021 at 00:15 for low lying properties within the Town boundaries along the Tulameen River
  - Issued on November 14, 2021 at 23:30 for low lying properties within the Town boundaries along the Tulameen River
  - Issued on November 14, 2021 at 22:30 for low lying properties within the Town boundaries along the Tulameen River
- **State of Local Emergency: 1**
  - Issued on November 14, 2021 and expires at midnight on November 21, 2021

#### **Regional District of Okanagan Similkameen (RDOS)**

##### **RDOS - Electoral Area B**

##### **Task: 223851 Incident:**

- **Alerts: 1**
  - Issued on November 15, 2021 at 12:30 for Electoral Area B for low-lying properties along the Similkameen River
- **Orders: 1**
  - Issued on November 15, 2021 at 16:30 for 4 properties on Chopaka Road in Electoral Area B
- **State of Local Emergency: 1**
  - Issued on November 15, 2021 for EA B and expires at midnight on November 22, 2021

#### **RDOS - Electoral Area G**

**Task: 223851 Incident: 210148**

- **Alerts: 1**
  - Issued on November 15, 2021 at 12:30 for Electoral Area G for low-lying properties along the Similkameen River
- **Orders: 1**
  - Issued on November 15, 2021 at 15:30 for Electoral Area G properties in Schedule 1
- **State of Local Emergency: 1**
  - Issued on November 15, 2021 for EA G and expires at midnight on November 22, 2021

#### **RDOS - Electoral Area H**

**Task: 223851 Incident: 210101**

- Flooding Tulameen River and some minor landslides. Roads closed in and out of Tulameen and Princeton.
- **Alerts: 1**
  - Issued on November 15, 2021 at 12:30 for Electoral Area H for low-lying properties along the Similkameen River
- **Orders: 2**
  - Issued on November 15, 2021 at 16:45 for properties in the community of Coalmont
  - Issued on November 14, 2021 at 21:45 for Electoral Area H properties in Schedule 1
- **State of Local Emergency: 1**
  - Issued on November 14, 2021 for EA H and expires at midnight on November 21, 2021

#### **RDOS - Keremeos**

**Task: 223851 Incident: 210161**

- **Alerts: 0**
  - Rescinded on November 16, 2021 at 16:30 for Alert issued on November 15, 2021 at 12:30 for low-lying properties along the Similkameen River within the Village of Keremeos
- **Orders: 0**
- **State of Local Emergency: 0**

#### **Thompson Nicola Regional District (TNRD)**

##### **TNRD – Nicola**

- List obtained from TNRD to co-ordinate efforts to do wellness checks and rescues for locations along Hwy 8 Merritt Spences Bridge
- List is divided among 3 local RCMP detachments: Merritt, Lytton, Hope. Responses requested from RCMP upon completion.
- TNRD co-ordinating transport of rescues from Merritt to Kelowna for ESS.

**Task: 223909 Incident: 210151**

- **Alerts: 0**
  - Rescinded on November 17, 2021 at 12:00 for Alert issued on November 15, 2021 at 10:00 for Electoral Area I, M, and N
- **Orders: 1**
  - Issued on November 16, 2021 at 16:00 for 37 addressed properties in Electoral Area I
- **State of Local Emergency: 1**
  - Issued on November 16, 2021 for EA I and expires at midnight on November 22, 2021

## **TNRD - Brookemere**

**Task: 223909 Incident: 210168**

- **Alerts: 0**
- **Orders: 0**
  - Rescinded to an All Clear on November 17, 2021 at 12:00 for Order issued on November 15, 2021 at 16:00 for 51 addressed properties in the community of Brookemere
  - Rescinded to an All Clear on November 17, 2021 at 12:00 for Order issued on November 15, 2021 at 15:30 for 2 addressed properties in Electoral Area N
- **State of Local Emergency: 1**
  - Issued on November 15, 2021 for EA N and expires at midnight on November 22, 2021

## **RIVER FORECAST CENTRE**

**LAST UPDATED: 15:30 PM November 16, 2021**

The River Forecast Centre is **maintaining** Flood Warnings for:

- **Lower Nicola River**
- **Coldwater River**

The River Forecast Centre is **maintaining** High Streamflow Advisories for:

- **Similkameen River**
- **Tulameen River and tributaries**

## **WEATHER FORECAST FOR NOVEMBER 17, 2021**

Weather forecasts are taken from Environment Canada: <https://weather.gc.ca>

### **Merritt**

**Today:** Mainly cloudy. High plus 2. UV index 1 or low.

**Tonight:** Mainly cloudy. Low minus 1.

**Tomorrow:** Mainly cloudy with 60 percent chance of flurries or rain showers. High plus 3. UV index 1 or low.

### **Princeton**

**Today:** Mainly cloudy. High minus 1. UV index 1 or low.

**Tonight:** Mainly cloudy. Wind up to 15 km/h. Low minus 5. Wind chill minus 6 this evening.

**Tomorrow:** Mainly cloudy. Periods of snow beginning late in the morning. Amount 2 cm. High zero.

## **PEOPLE IMPACTED**

### **Merritt, City of**

- **# of Homes on Alert:** 0
- **# of Homes/Units Evacuated:** approximately 7800 people notified, approximately 4700 confirmed to have evacuated

### **Princeton, Town of**

- **# of Homes on Alert:** TBD
- **# of Homes/Units Evacuated:** approximately 300 homes

#### **Shackan Indian Band**

- **# of Homes on Alert:** TBD
- **# of Homes/Units Evacuated:** approximately 50 people

#### **Reception Centres and Group Lodging (CTL)**

##### **Central Okanagan Regional District – RC**

- Relocating to Willow Park Church effective November 17, 2021
- **Location:** Willow Park Church, 438 Hwy 33, Kelowna, BC
- **Hours:** 10:00 to 22:00

##### **Columbia Shuswap Regional District - RC**

- **Location:** Prestige Harbourfront Resort, 251 Harbourfront Drive, Salmon Arm, BC
- **Hours:** 8:00 to 18:00 (tentative)

##### **Lillooet, District of – RC**

- **Location:** Lillooet Friendship Centre, Community Cares building, 76 5<sup>th</sup> Ave, Lillooet, BC
- **Hours:** TBD

##### **Kamloops, City of – RC**

- Kamloops has no further accommodations available
- **Location:** McArthur Island Sport & Event Centre, 1655 Island Parkway, Kamloops, BC
- **Hours:** 10:00 to 20:00 (tentative)

##### **Penticton, City of – RC**

- **Location:** Penticton Seniors' Drop-in Centre, 2965 South Main Street, Penticton, BC
- **Hours:** 10:00 to 17:00 (tentative)

#### **LIVESTOCK IMPACTED**

##### **Ministry of Agriculture, Food and Fisheries**

As of 9:45am there are currently **8 premises** with livestock under Order and **82 premises** under Alert. The number of livestock under Order/Alert is beef cattle (229/39,478), dairy cattle (200/11,540), horses (15/801), sheep (4/202), swine (10/250), goats (4/92) poultry (20/2,230), other (9/161)

*Important note: The numbers are based on the Premises ID registration which is still a voluntary program in B.C. and registration rates that are still relatively low compared to provinces with mandatory Premises ID programs. Emergency planning and response based on premises information must always be done with the understanding that the data is neither comprehensive nor authoritative. The true numbers may be higher.*

#### **TRANSPORTATION IMPACTED**

##### **Statement from Canada Border Services Agency (CBSA) media team:**

"The Canada Border Services Agency (CBSA) can confirm that given the current situation in BC, travellers who must transit through the United States to get to their residence in Canada are exempt from the COVID-19 pre-arrival test, the test in Canada, and quarantine requirements.

Pre-existing exemptions within the Orders in Council (OIC) can be applied to travellers in this situation:

Exemption - Pre-Arrival Test – By Land

S1.T2.I20: A person who enters Canada to return to their habitual place of residence in Canada after carrying out everyday functions that, due to geographical constraints, necessarily involve entering the United States

Exemption – Quarantine

S2.T1.I14: A person who enters Canada to return to their habitual place of residence in Canada after carrying out everyday functions that, due to geographical constraints, necessarily involve entering the United States

Exemption – Test in Canada

S2.T2.I14: A person who enters Canada to return to their habitual place of residence in Canada after carrying out everyday functions that, due to geographical constraints, necessarily involve entering the United States

There are many factors that come into play when a CBSA border services officer is determining which instructions are provided to a traveller with regards to their public health obligations. CBSA officers use all of the information available to them when a traveller is seeking entry into Canada to determine which set of instructions apply to the traveller".

## Ministry of Transportation and Infrastructure Road Closures/Advisories

### Check DriveBC for up-to-date information:

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

**Chopaka Road**, in both directions. **Bridge closed** at Chopaka Road Bridge #1. Estimated time of opening not available. Chopaka Road Bridge #1 is closed until further notice due to flooding. Next update time Tues Nov 23 at 3:00 PM PST. Last updated Wed Nov 17 at 8:04 AM PST.

**Coalmont Rd**, in both directions. Bridge wash out between Brookmere Rd and Manning Station Rd (50 km north of Princeton). **Road closed**. Detour not available. Roberts Bridge washed out 20 km north of Tulameen. Next update time Tues Nov 23 at 10:00 AM PST. Last updated Wed Nov 17 at 0748 AM PST.

**Coalmont Rd**, in both directions. Flooding between Ford St and Collins Gulch Rd (23 km north of Princeton). **Road closed**. Estimated time of opening not available. Next update time Tues Nov 23 at 4:00 PM PST. Last updated Wed Nov 17 at 0748 AM PST.

**Highway 1**, in both directions. Flooding between Flood Hope Rd and Junction Hwy 8 for 144.3 km (Hope to Spences Bridge). Rock slide. **Road closed**. Estimated time of opening not available. Assessment in progress. Next update time Wed Nov 17 at 3:00 PM PST. Last updated Tue Nov 16 at 10:46 AM PST.

**Highway 3**, Highway 3, in both directions. Flooding between Taylor Mill Rd and Old Hedley Rd for 27.9 km (2 km east of Princeton to 6 km west of Hedley). Road closed. Assessment in progress. Estimated time of opening not available. Next update time Tue Nov 23 at 9:00 AM PST. Last updated Wed Nov 17 at 7:47 AM PST.

**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. Next update time Thu Nov 18 at 12:00 PM PST. Last updated Wed Nov 17 at 12:45 PM PST

**Highway 8**, in both directions. Flooding between Porcupine Ridge Rd and Petit Creek Rd for 33.5 km (9 km east of Spences Bridge to 17 km west of Merritt). **Road closed**. Assessment in progress. Estimated time of opening not available. Next update time Thu Nov 18 at 12:00 PM PST. Last updated Wed Nov 17 at 12:45 PM PST.

**Highway 99**, 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. Next update time Wed Nov 17 at 6:00 PM PST. Last updated Tue Nov 16 at 2:46 PM PST.

**Old Hedley Rd**, in both directions. Flooding at Old Hedley Rd near Princeton. Road closed. Estimated time of opening not available. Please avoid the area until further notice. Next update time Mon Nov 22 at 9:00 AM PST. Last updated Wed Nov 17 at 7:47 AM PST.

**Rice Road Bridge**. Bridge wash out at Rice Road 19 km north of Princeton. Road closed. Rice bridge at Granite Creek near Coalmont has been washed out. Avoid the area. Last updated Mon Nov 15 at 1:31 PM PST.

### **Railway Traffic**

#### **Canadian Pacific Railway**

- Damage assessments are being made and starting to work on recovery
- CP's operations between Spences Bridge and Falls Creek, BC, remain suspended following heavy rains that have resulted in multiple track outages.
- CP has deployed crews and equipment to the region, and CP engineering teams are working to repair the damaged rail corridor as quickly as possible where safe to do so.
- There is no time estimate for when service will resume.
- CP is working closely with authorities, including the Ministry of Transportation and Infrastructure, in our response to the situation. The safety of our employees and the public remains our priority.

#### **Canadian National Railway**

- Understood but unconfirmed by CN Rail that rail traffic through the Fraser Canyon has been suspended due to multiple events. No estimated time of re-opening.

### **UTILITIES IMPACTED**

#### **BC Hydro**

- In the late afternoon and early evening of Monday, November 15, the wind caused power outages in the Interior and Okanagan/Kootenay regions. During the evening peak, between 7 and 8 p.m., about 82,000 customers were without power with the hardest hit areas being Williams Lake, Kamloops, 100 Mile House, West Kelowna and Vernon.
- The timing of the storm, and access issues from heavy rain and flooding, led to some customers being without power overnight. BC Hydro crews and contractor crews worked throughout the night

to restore power to the vast majority of impacted customers. Most customers left without power by Monday's windstorm will have their power restored today – with exceptions where access roads are still closed, where crews cannot safely make repairs, or very remote locations that pose access challenges.

- **0900 Nov. 16:** Crews are continuing to find access challenging in the region, due to flooding and hazards. Has crews coming in today from Prince George to help crews in their restoration efforts and are working with local officials in Merritt to assess damage in the area and plan restoration when it is safe to do so.

## **Fortis BC**

### **Gas Outage – 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.
- Crews are working to repair storm damage to gas infrastructure in the area. As a safety precaution, crews are shutting off the gas service to approximately 1,275 customers in Princeton in the south side of the Tulameen River and the downtown core.
- FortisBC's first priority is to make the situation safe and determine the best way to repair the gas line with the least impact to our customers. Due to flood conditions, it is challenging to assess the damage.
- After this, crews will visit each home or business to turn gas back on at the meter and relight all affected appliances. If no one is home, FortisBC service crews will leave door tags that provide contact information for relights. If you receive a tag contact the emergency number 1-877-711-8877 to arrange for FortisBC to restore your service. It is important that you do not attempt to relight any appliances yourself.
- Currently, FortisBC does not have a timeline for restoration and will provide updates as soon as they are able. Customers should be prepared for an outage to last for a couple of days due to the number of relights required. We greatly appreciate the patience of local residents as we work our hardest to restore your service as quickly as possible.

### **Electricity Outage – Kelowna**

- Crews are working safely and as quickly as possible to restore power to approximately 100 customers in Kelowna, following an outage on our electricity system caused by heavy rain storms.

## **Shaw**

- **0652 Nov. 17:** 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.
- Shaw has outages on Internet, Business Internet, Phone, Business Phone, Digital TV, VOD, Gateway, BlueCurve TV, WiFi Access Points.
- **0842 Nov. 16:** Due to extreme weather and driving conditions in British Columbia, some customers are temporarily without service. Once weather conditions in the affected areas subside, local technicians will work to restore services as quickly as possible. Please note there will be delays in technician visits and equipment shipping.

## **Telus**

- 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.

- BC Hydro crews continue to restore commercial power and TELUS team members are also working hard to maintain TELUS network infrastructures. Impacts in the Thompson/Shuswap and Okanagan/Kootney regions.

#### **USEFUL LINKS**

##### **Emergency Info BC**

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

##### **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>

##### **FortisBC outage map**

<https://outages.fortisbc.com/Outages>

##### **BC Hydro outage map**

<https://www.bchydro.com/power-outages/app/outage-map.html>

##### **Disaster Financial Assistance (DFA)**

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

#### **PUBLIC INFORMATION AND MEDIA ISSUES**

##### **Atmospheric River Coordination Call:**

- Thursday, November 18, 2021 at 10:00
- Thursday, November 18, 2021 at 15:00

##### **ESS Coordination Call:**

- Thursday, November 18, 2021 at 13:15



**Event: Central Region Wildfire 2021**

	Central Region (CTL)
Band Council Resolutions	2
States of Local Emergency	1
Evacuation Orders	4
Evacuation Alerts	1

**FIRST NATIONS**

**Lytton First Nation**

**Lytton Creek Complex Wildfire K71086**

**Task: 220360 Incident: 210339**

- Alerts: 0
- Orders: 0
- State of Local Emergency: 0
  - BCR declaring a SOLE issued June 30, 2021 until rescinded

**Skuppah Indian Band**

**George Rd Wildfire K70804**

**Task: 220360 Incident: 210153**

- Alerts: 0
- Orders: 0
- State of Local Emergency: 1
  - BCR to issue a SOLE declared July 25, 2021 until cancelled
  - Intends to keep the BCR for a SOLE in place until services have stabilized in the area

**LOCAL AUTHORITIES**

**Village of Lytton**

**Lytton Complex Fire (K71086)**

**Task: 221501 Incident: 210332**

- Alerts: 1
  - Order partially downgraded to an alert on August 20, 2021 at 12:00 for Kumcheen Secondary School, Pines Motel, Ponderosa Heights, Loring Way and Kent Road
- Orders: 2
  - Amended August 20, 2021 at 12:00 for alert issued August 14, 2021 at 19:00; Lytton Junction Esso Station, Kent Rd still on Order
  - Issued June 30, 2021 for 217 properties in the Village of Lytton
- State of Local Emergency: 1
  - Issued on June 30, 2021 for the entire Village of Lytton: extended effective November 8, 2021 and expires November 15, 2021

**Event: Central Region Freshet 2020**

	Central Region (CTL)
States of Local Emergency	1
Evacuation Orders	1
Evacuation Alerts	1

**(CSRD) Columbia Shuswap Regional District (CTL) 2020**

**Incident: 200223 - Lee Creek Landslide**

- CSRD EOC advises the residents currently under order have chosen to return to their property.
- **Alerts: 1**
  - Issued on June 22, 2020 for the following areas: Lots #89 to #95, Gateway Lakeview Resort, #2633 Squilax-Anglemont Road, Lee Creek, BC
- **Orders: 1**
  - Issued June 22, 2020, Lots #96 to #100, Gateway Lakeview Resort - 2633 Squilax-Anglemont Road, Lee Creek, BC
- **State of Local Emergency: 1**
  - Issued on June 22, 2020 for the 2400 through 2600 blocks of Squilax-Anglemont Road, Lee Creek in Electoral Area "F": extended effective November 16, 2021 and expires November 23, 2021

**APPROVED BY:**

***Original signed by***

*Mike Knauff*

**PREOC Director**

**Primary CTL PREOC Email:** preoc3.ops1@gov.bc.ca

**Primary CTL PREOC Phone:** (250) 312-6623

**Primary CTL PREOC Fax:** (250) 371-5246

***Emergency Management BC respectfully acknowledges that it carries out its operations on the traditional territories of Indigenous nations throughout British Columbia, we are grateful for the opportunity to live, work and learn on this land.***

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

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

### SITUATION REPORT #4

#### Event: Atmospheric River

Date/Time Issued: 2021-11-17; 1630hrs

Task #: 223862

Operational Period: 2021-11-17

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: 13

Activated TEAMS: 4

Agency: 6

Other: 3

The next Situation Report will be issued: 2021-11-18 at 1630hrs

\*\* New information

### KEY PROVINCIAL INFORMATION

- The Southwest PREOC is activated to support communities affected by flooding and landslides caused by the Atmospheric River
- On 2021NOV17 the BC government 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
- Search & Rescue (SAR) - Task Force 1 has been deployed to assist with the rescue of stranded evacuees of the Sumas Prairie region of Abbotsford
- PREOC ESS Branch is working on staffing and providing support to the Reception and Group Lodging Centres in the Southwest Region
- 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

### Fraser River Debris Trap Update

#### ADVISORY

An increase in logs and large woody debris may be experienced on the Lower Fraser River, downstream of Agassiz through Saturday 2021NOV20

Recreational boaters, marine traffic and infrastructure operators should be aware that more logs than normal may be floating downstream due to decreased performance of the Fraser River Debris Trap. Based on new aerial images today, 2021NOV17, high debris volumes have misaligned the booms that direct debris into the Trap. Contractors are inspecting and attempting to realign the booms today, but repairs are expected to take longer

Normally, the Fraser River Debris Trap diverts up to 70% of the woody debris coming downstream near Agassiz before it flows into the lower reaches of the Fraser. Although there is always some volume of logs and floating debris in the River, an increase in the number of floating logs getting past the Debris Trap is anticipated

- The next Coordination Call will be 2021NOV18 @ 1100hrs
- **Total Active RCs: 5 (1 virtual)**
- **Total Group Lodging Facilities: 2**
- **Total Active Alerts: 10**
- **Total Orders: 16**
- **Total States of Local Emergency: 7**
- **Total Band Council Resolutions: 0**
- Note: 1 SOLEs, 1 Order applies to Sechelt 2019 Seawatch Sinkhole

### WEATHER FORECAST FOR – 2021NOV17

#### Abbotsford

Thursday AM	Cloudy with 40 percent chance of showers in the morning and early in the afternoon. Periods of rain beginning in the afternoon. High 6. UV index 1 or low
Thursday PM	Periods of rain. Low plus 2
Friday AM	Sunny. High 7
Friday PM	Cloudy with 60 percent chance of showers. Low plus 2

#### Pemberton

Thursday AM	Mainly cloudy. 30 percent chance of flurries in the morning and afternoon. Wind up to 15 km/h. High plus 1. Wind chill minus 6 in the morning. UV index 1 or low
Thursday PM	Cloudy periods. Low minus 5
Friday AM	Sunny. High plus 3
Friday PM	Cloudy with 30 percent chance of flurries. Low minus 3

## 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
- Advised that they have rescinded their Flood Alert as levels have dropped down safely enough to rescind
- Put on flood alert 2021NOV15 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):

- **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

### Musqueam First Nation:

- **Incident:** Flooding
- EOC activated 2021NOV17 due to flooding

### Peters First Nation:

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

### Seabird Island

- **Incident:** Flooding
- EOC activated 2021NOV15 for flooding
- Group lodging was set up for stranded motorists. Breakfast and lunch provided for 8 truck drivers
  - Transported the 8 truck drivers that stayed at Seabird to Agassiz to the Agricultural Hall EOC/ESS
- Kamp Road off of Seabird Island Road released flood waters into Maria Slough causing major impact
- Currently Seabird Island has endured flooding of several homes and is still in high water advisory. Crews are assessing damage

- Due to access egress concerns in regard to surrounding highways, it is unknown when fuel will be delivered to the Seabird Island Gas station. Currently there is 12,000 liters of fuel. Public Works/Operations are fueled up, however it has been forecasted that Seabird and surrounding areas will be out of fuel by Thursday
- The emergency generator for the community water system is working. Unable to have a secondary unit delivered due to access on local highways
- TELUS fiber connection from Hope is not functional, temporarily lost communication
- Working to mitigate and dry flooded basements within the community, water diversion and sand bagging and to ensure that the community has enough food and supplies in anticipation of food shortages

#### **Shxw̓ha:y Village First Nation**

- **Incident:** Flooding
- EOC is activated today 2021NOV17 in support of the flooding and landslide response in the region

#### **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

#### **Spuzzum First Nation:**

- **Incident:** Flooding
- EOC activated 2021NOV16 for flooding
- Flooding is impacting drinking water in community

#### **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 Area: 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 Huntingdon 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:** to be confirmed
- **Orders: 4**
  - Issued 2021NOV15 (2 Orders) for Straiton Road (7 Homes, 15 homes)
  - Issued 2021NOV15 for Sumas Prairie including the area bordered by: Sumas Mountain, and Yale Road to the North, the US border to the South, the Sumas River dike to the East and Sumas Way to the west (619 homes). On 2021NOV17 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
  - Issued 2021NOV16 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)
- **Homes Ordered:** to be confirmed
- **State of Local Emergency: 1** – issued 2021NOV15 and expires 2021NOV23 at midnight
- **Reception Centre(s): 1**, Tradex, 1190 Cornell Street (RC and GL - hours of operation: 24/7)
- **Individuals Registered with ESS:** 642 registered to date, 118 persons in group lodging
- 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: 4**
  - Issued 2021NOV17 at 1100hrs for property at 47000 block of Yale Road
  - Issued 2021NOV17 at 1100hrs for property at 43000 block of Old Orchard Road
  - 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**, Expanded 2021NOV16 expires 2021NOV23 at midnight
- **Reception Centres: 1**, Chilliwack Landing Sports Centre, 45530 Spadina Avenue

- **Individuals Registered with ESS:** 750
- **Group Lodging Facilities:** 1, Evergreen Hall, 9291 Corbould Street (160 Registered)
- On 2021NOV16 the State of Local Emergency that was declared on 2021NOV15 for areas of the 47000 block of Yale Road and the 47000 block of Chartwell Drive was cancelled. On 2021NOV16 a State of Local Emergency was declared for the City of Chilliwack
- **Road Closures:**
  - Multiple roads are closed due to flooding and/or mudslides. Refer to Local Government website for list of closures

#### Coquitlam, City of:

- **Incident:** Flooding
- EOC activated 2021NOV17 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:

- **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
- **Properties 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
- **Properties Evacuated: 51**
- **State of Local Emergency: 1** - declared 2021NOV14 at 2230 for all Electoral Areas of the FVRD to remain in force until 2021NOV21 at midnight
- 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 2021NOV15 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

#### **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):** 1, Hope Secondary School, 444 Stuart St, Hope (hours of operation: 24/7 – warming centre)
- **Individuals Registered with ESS:** unknown
- Multiple Churches have opened to provide support as needed
- Currently no food in town due to no power. Stores/restaurants closed
- Meals flown in via helicopter 2021NOV16 and provided by Salvation Army – Food and cot delivery continued today, 2021NOV17
- 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, (Harrison Hot Springs Resort Hotel; 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). The road is blocked at the intersection of Lillooet Road
- All properties on Rockwell Drive corridor have been placed on Evacuation Order. The reception centre has been moved from the Morrow Road location and evacuees are being directed to go to the Harrison Hot Springs Resort Hotel. Delivery of Evacuation Orders has been challenging due to life safety issues and is still underway (2021NOV16)
- Water is receding in the Kamp Road area
- Flood pumps at Hammersley Pump Station are again running. Additional pumping capacity is required in Harrison Mills
- **Incident:** Hwy 7 landslide

- Approximately 275 people rescued from Highway 7 2021NOV15
- Crews are working to make access through the slide area
- **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

#### **Maple Ridge:**

- **Incident:** Localized flooding
- EOC activated in response to localized flooding due to the Alouette River
- Monitored South Alouette, North Alouette and Fraser River flows
- The Fraser River levels continue to drop and the Sanitary Sewer Overflow (SSO) event will transition from an EOC event to an operational response
- The EOC will transition to a virtual format
- Continuing visual inspections along South and North Alouette River

#### **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
- **Orders:** 1, Issued 2021NOV16 for 8 properties located on the 8400 block of Bembow Street in Hatzic (8 properties)
- **Homes Evacuated:** 8 properties
- **State of Local Emergency:** 1, Issued 2021NOV16 to expire on 2021NOV23 at midnight
- **Reception Centre(s):** 1, Virtual
- **Individuals Registered with ESS:** 12
- EOC activated due to localized flooding and to provide mutual aid to Abbotsford

- Mission Virtual RC currently registering evacuees from Kent into the Harrison Hot Springs Hotel using ERA (10 families registered to date, 2021NOV17)
- On 2021NOV16 a State of Local Emergency and an Evacuation Order were issued for properties on Bembow Street in Hatzie
- Virtual Reception Center activated in the EOC to support evacuees from Mission (30 persons) - evacuees will self register for ESS services and all vouchers and supports will be processed online through ERA - Evacuees told to Self-register then call EOC information line for ESS supports (2 persons registered to date)
- ESS requested to support District of Kent with evacuees airlifted from between the mudslides on Highway 7 (50 cots sent to Kent from Mission supply) - Virtual RC will be processing vouchers for Kent evacuees through Mission's virtual RC
- Some road closures continue
- Completing daily assessments of Benbow Street (Mission)
- Continuing to partner with Public Works and City media staff to provide accurate Alertable notifications for road closures
- Two residences on King Avenue are isolated due to complete road wash out

#### **New Westminster:**

- **Incident:** Localized flooding
- EOC standing down 2021NOV17

#### **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
- A significant number of travellers impacted by the Hwy 99/Duffy Lake Road mudslide have been turned around at the slide and have been residing in the Pemberton area.
- Emergency Support Services have been provided to 6 individuals including services provided to those that were referred by the RCMP
- As localized flooding is taking some time to drain, damage and impacts to trails and infrastructure is still unknown

#### **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
- Localized flooding has subsided. Drainage infrastructure was at a maximum capacity and now is continuing to lower
- Liverpool sanitation backups cleared back to normal flow
- Sand and bags are available to residents at Public Works Yard

#### **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
  - MoTI and contractor attended the road washout 2021NOV16, cleared debris, and report that there is now approximately an 8 foot trench in the road. The culvert will likely need to be removed and replaced due to age and damage
  - MFLNRORD conducted an aerial survey of the S2S area 2021NOV16
- 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 at this time
- EOC Information Officers continue to receive a volume of media and public enquiries, and to publish regular updates

#### **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

#### **Vancouver, City of**

- **Incident:** Flooding

- EOC activated 2021NOV17 for flood support

#### **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

##### **Vancouver Fraser Port Authority (VFPA):**

- Communications issues are resolved
- All rail service coming to and from the Port of Vancouver is halted; impacts to supply chain anticipated but unknown at this time; waiting on damage assessment to rail lines and timeframe for re-opening to have a clearer picture on impacts
- Vessel delays and heightened anchorage demand are expected due to disruptions to terminal operations. VFPA are working closely with their terminal operators, railways, and all levels of government to understand the impacts of these delays on terminal operations and to develop a recovery plan
- Freshet-like conditions seen on the Fraser River: request to ship masters to exercise additional caution; potential for overhead clearances being less than advertised on CHS Charts and increased wood debris/heightened shoreline damage from a vessel's wake; additional tug support may be requested to ensure safe passage to and from berth to avoid accumulated debris
- Real-time insights into Port of Vancouver operations can be accessed through the PortVan eHub app, which can be downloaded at <https://www.portvancouver.com/port-dashboard/ehub-app/> or through the App Store. Daily updates on import rail performance and weekly updates on truck terminal turn time performance are available through the port authority's website <https://www.portvancouver.com/port-dashboard/>

#### **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 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. 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, 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. Single lane alternating traffic. Watch for traffic control

Highway 11, in both directions. Flooding between Hazelwood Ave and Townshipline Rd for 2.9 km (Abbotsford). Road closed. Detour not available

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

- 2021NOV17 update - There are currently 1283 customers without power within the Lower Mainland and Sunshine Coast remain without power due to flooding, mud/snow slides and trees down on wires
- [BC Hydro bill help for BC Residents who are evacuated](#)
- **For more information:** <https://www.bchydro.com/power-outages/app/outage-list.html>

##### BC Hydro Alerts

- Cheakamus Dam Spill Notice of Cancellation – 2021NOV17 at 0930hrs - Present conditions are favourable and flows are expected to decrease
- 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

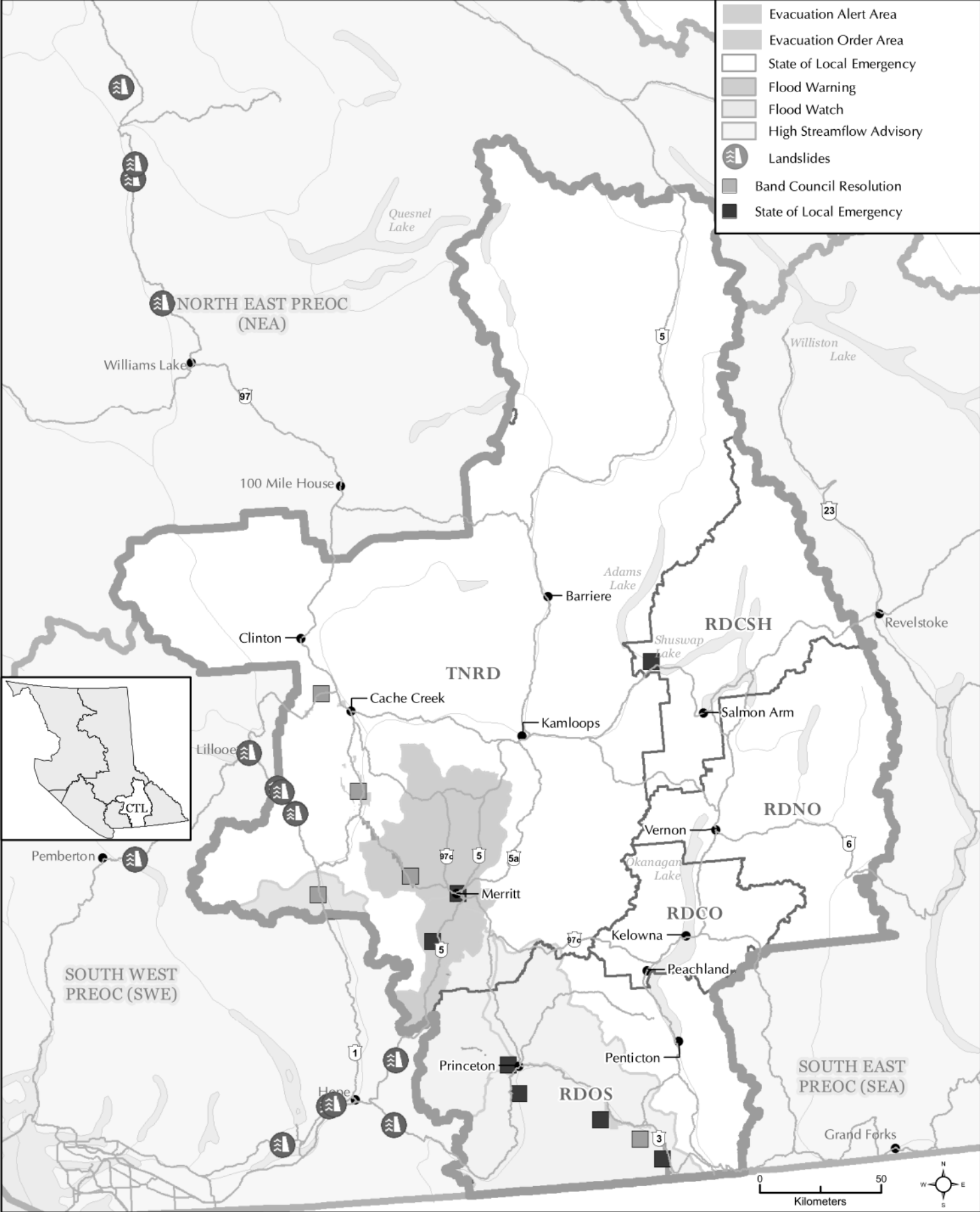
**PREOC Deputy Director**

**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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# Central (CTL) Provincial Regional Operational Centre (PREOC) Atmospheric River Flooding Event

2021-11-17



UPDATED 2021-11-17 Time: 16:45 [https://spatialfiles.bcgov/work/vlmb/PEP/response/CTL/task\\_223874\\_atmospheric\\_river/largis/projects/task223874\\_AtmosphericRiver\\_SitRep\\_Map\\_CTL\\_20211117.mxd](#)



[illegible]



**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

## EMBC ECC Situation Report November 18, 2021

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From: Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>  
To: AFF Emergency Incident Notifications <INCIDENT@Victoria1.gov.bc.ca>  
Cc: Grout, Kim ALC:EX <Kim.Grout@gov.bc.ca>, Rainforth, Kelly A AFF:EX <Kelly.Rainforth@gov.bc.ca>, Burger, Sarah AFF:EX <Sarah.Burger@gov.bc.ca>  
Sent: November 18, 2021 9:08:55 PM PST  
Attachments: EMBC Provincial Overview Flood Notifications 20211118.pdf, EMBC CTL SWE Overview Orders Alerts and Highway Events 20211118.pdf, 21\_PECC SitRep\_Nov 18\_2021\_#4\_FINAL.pdf

Greetings,





Please find attached, the situation report for the Provincial Emergency Coordination Centre for November 18, 2021.

Graham Knox  
*AFF MEOC Director*  
Director, Emergency Management  
Corporate Policy and Priorities Branch  
BC Ministry of Agriculture, Food and Fisheries  
Phone: 778-698-4949  
Cell: 250-886-4761  
[AFF Emergency Management](#)

# Emergency Management British Columbia Provincial Flood Notifications Overview

Date: November 18, 2021

Time: 4:00:41 PM

-  Landslide/Mudslide Locations
-  Flood warning
-  Flood watch
-  High streamflow advisory



**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.

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Emergency  
ManagementBC

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Ratio scale is correct at 11"x17" page size.  
Projection: Albers Equal Area Conic, NAD 83

South West (SWE) & Central (CTL) Provincial Regional Operational Centre (PREOC)

Current Orders and Alerts & Highway Closures

2021-11-18





**PECC ACTIVATION DAY NO. 4**  
**NOVEMBER 18, 2021**

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

**Operational Period: November 18, 2021, 08:00 hrs to Closing**

**Next Sitrep will be issued: November 19, 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 18, 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.

On November 17, 2021 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. Federal resources and personnel have started 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

- An Orange Weather Notification has been issued for Northern BC due to heavy rain, snow, and rain on snow anticipated for Friday through Monday. Rainfall amounts could reach 200-300mm range, and runoff from snowmelt may occur as the freezing level raises from Friday afternoon into Sunday.
- Friday morning: The ridge of high pressure will continue to build over southern BC on Friday, bringing mainly sunny skies over the South Coast and Vancouver Island, mainly cloudy but dry conditions over the Columbias and Cariboo. Lingering flurries will end in the morning over Kootenay-Boundary region and in the afternoon over Purcells and South Rockies. Another 2 to 4 cm snow in the forecast. Over the northwest ranges and North Rockies, flurries will continue under the strong onshore flow. Westerly mountaintop winds of 40 to 60 km/h will increase to 60 to 80 km/h in the afternoon as a weak disturbance approaches.

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

#### EMBC Central Region

RFC has Maintained 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

RFC has maintained a High Streamflow Advisory for:

- Chilliwack River

RFC has downgraded Flood Warnings to High Streamflow Advisories for:

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

RFC has ended the High Streamflow Advisory for:

- Coquihalla 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	2		5 (+5)	-	-	-	7 (+5)
States of Local Emergency	7 (-1)	-	-	1 (+1)	5 (-1)	1 (-1)	14

Evacuation Orders	12 (-4)		5 (+5)	-	17 (-1)	2	36 (+2)
Properties on Order	3,432*		2 (+2)	-	119 (-2,016)	6 (+6)	3,559 (-2,024)
Population on Order	9,758 (-190)		-	-	4,937 (-1,618)	137 (+137)	14,832 (-1,893)
Evacuation Alerts	6 (+5)		4 (+4)	-	3 (-3)	0 (-1)	5 (-5)
Properties on Alert	400*		-	-	455 (-252)	-	855 (-252)
Population on Alert	1,243*		-	-	1,185 (-720)	-	2,428 (-720)

\*Do not have updated # as of time of publication

### EMERGENCY SUPPORT SERVICES (ESS)

The information provided in the table below is the most accurate consolidation of data available to the PECC but may contain inaccuracies due to the dynamic nature and scope of the event.

	CTL	NWE	NEA	SEA	SWE	VIC	Total
Evacuees Registered	2,718	-	-	-	1,724	-	4,442
Group Lodging Facilities	-	-	-	-	2	-	2
Evacuees in Group Lodging	-	-	-	-	214	-	214
Evacuees in Commercial Lodging	1,710	-	-	-	-	-	1,710
Commercial Lodging Rooms in Use	743	-	-	-	-	-	743

- The Provincial ESS Call Centre is receiving a consistently high call volume with over 1,500 calls actioned to date. House of operation have been extended from 8-20:00 and have increased staffing.
- 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 the Disaster Psycho-Social Services Program
- Reception Centre locations are posted publicly on Emergency Info BC.

## FLOOD IMPACTS

### INFRASTRUCTURE & TRANSPORTATION

#### Highways

Major Highway Incidents: As per DriveBC website map at 15:00 November 18, 2021. See website for more information

- Highway 1:
  - Hope to Spences Bridge: closed in both directions due to rockslide
  - Hope to 2 km east of Chilliwack: closed in both directions
  - Abbotsford to Chilliwack: closed in both directions
  - Vancouver Island: Malahat closed in both directions. Washout between Westshore Parkway and Tunnel Hill. Open to single lane alternating traffic for 30 minute intervals 24 hours of the day. Travel is limited to essential travel only. No oversized loads.
- Highway 3: Between Sunshine Valley and Allison Pass – Mudslide: closed in both directions. Flooding between Taylor Mill Rd and Old Hedley Rd for 27.9 km (2 km east of Princeton to 6 km west of Hedley).
- Highway 5: Hope to Merritt - Multiple washouts: closed in both directions
- Highway 7: Kent to 1 km east of Hope. Open to one lane in each direction
- Highway 8: Merritt to Spences Bridge closed in both directions due to mudslide
- Highway 99: Pemberton to Lillooet closed in both directions due to mudslide

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

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

#### Impacts on the Transportation Sector

##### Canadian Pacific Railway (CPR)

- Main area of concern is the Bridge at M.87.03 (otherwise referred to as Tank Hill), Thompson sub (Kamloops to North Bend). It's now been determined the bridge is damaged beyond repair and will need to be replaced. CPR is meeting with provincial officials to discuss options and plan a course of action for coordinating efforts in restoring both the rail bridge & the highway.
- No timeline has been provided for re-opening the CP route from Kamloops to Vancouver.
- CP still remains out of service between Kamloops & Vancouver.
- Following up with CP for a timeline for re-opening track to full service. 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.
- CPR & BC MOTI have agreed on the construction of a shoo-fly & level grade crossing at M.87.03 Thompson sub (Tank Hill) (location where CP's bridge over the Trans-Canada Highway was severely damaged, along with the highway, by a washout). This will hasten the timeline required to open the subdivision to rail traffic.

##### Canadian National (CN)

- Yale sub (Boston Bar – Vancouver) remains open to rail traffic. All previously staged trains have now moved into Vancouver from Boston Bar.



- A total of 15 slide/washout sites were repaired on the Yale sub. 3 sites are still being closely monitored.
- CN Engineering forces are continuing damage assessment of the Prince George to Vancouver route in preparation for potential detouring of select traffic into Vancouver.
- Ashcroft sub (Kamloops – Boston Bar) remains closed to rail traffic. Restoration work continues with no update to estimated time of re-opening.
- VIA Rail in collaboration with CN and EMBC provided a special train which traveled from Vancouver to Hope and back. It brought on board food and beverage to evacuees. They evacuated approximately nearly 200 persons.

#### **Vancouver Fraser Port Authority (VFPA)**

- All rail service coming to and from the Port of Vancouver is halted; impacts to supply chain anticipated but unknown at this time; waiting on damage assessment to rail lines and timeframe for re-opening to have a clearer picture on impacts
- Vessel delays and heightened anchorage demand are expected due to disruptions to terminal operations.
- Freshet-like conditions seen on the Fraser River: request to ship masters to exercise additional caution; potential for overhead clearances being less than advertised on CHS Charts and increased wood debris/heightened shoreline damage from a vessel's wake; additional tug support may be requested to ensure safe passage to and from berth to avoid accumulated debris
- Real-time insights into Port of Vancouver operations can be accessed through the PortVan eHub app, which can be downloaded at <https://www.portvancouver.com/port-dashboard/ehub-app/> or through the App Store. Daily updates on import rail performance and weekly updates on truck terminal turn time performance are available through the port authority's website <https://www.portvancouver.com/port-dashboard/>

#### **Transport Canada Actions:**

Transport Canada's Pacific Regional Emergency Coordination Centre (RECC) is activated to Level 3 – Full Activation in support of the ongoing Pacific region flash flooding/mudslides and the transportation impacts and consequence management requirements of these events.

#### **Civil Aviation**

- Civil Aviation has extended the NOTAM restricting the airspace around Abbotsford (Sumas Mountain) in support of ongoing emergency operations. The NOTAM expires at midnight Pacific time on Thursday, November 18th.

#### **National Aerial Surveillance Program (NASP)**

- NASP's Pacific aircraft C-GSUR out of service for maintenance until next week (forecasted return to service Tuesday-Thursday Nov. 23-25). NASP will be commencing maritime patrols today out of Campbell River with the DFO contractor (PAL) aircraft (Dash 8) and available for taskings in support of the RECC.

#### **Marine Safety**

- Is working on the details of an Interim Order to restrict the recreational use of pleasure craft in flooded areas.

- Marine Safety is responding to a provincial request for information on marine fuel use and delivery methods along the BC coast.
- MSS in conjunction with MCTS and MSOC partners has commenced assessment of traffic volumes offshore beyond Vessel Management Traffic System coverage.
- Office of Boating Safety is coordinating with Emergency Management BC and local law enforcement on the development of the interim order to restrict recreational use of pleasure craft in flooded areas.
- Marine Safety has requested the owner of the barge beached at Sunset Beach, Vancouver, to provide a recovery plan prior to the next attempt to refloat it. The owner is planning to refloat the barge the morning of Sunday, 21 November, when the tide should be high enough to assist.

## UTILITIES/ TELECOMMUNICATIONS

- **BC Hydro**
  - BC Hydro is reporting less than 3,000 customers affected with outages.
  - There is significant damage to infrastructure between Spences Bridge and Merritt. Hydro will be conducting an aerial damage assessment tomorrow morning. Customers who have not yet been restored should plan to remain without power for several days.
  - There are currently approximately 15 outages in the Central region affecting 596 customers
- **Enbridge Inc.**
  - Shut down a segment of 30-inch natural gas pipeline in the Coquihalla river valley 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
- **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 gas control to align operational plans.
  - Working to repair storm damage to gas infrastructure in the Princeton area. Gas service to approximately 1,275 customers in Princeton. Restoration and Relights have begun for 481 customers on the north side of Princeton. Most should be complete by Friday. Restoration to all but 30 of the electrical customers in Princeton is complete. Unable to access last 30 due to road washouts. Two apartments wait inspection.
- **Telecommunications:**
  - Telus has various small outages due to infrastructure damage caused by rainfall, mudslides, and wind damage.

- Telecommunications carriers requested photos of washed-out areas of CP Rail (North Bend to Ashcroft), and a subsequent ask for photos of the utility poles on Hwy1 between Hope and Bridal Falls. A NASP overflight tasking has been set for tomorrow morning
- **Shaw has outages in the SWE and CTL Region.** Once weather conditions in the affected areas subside, our local technicians will work to restore services as quickly as possible. Please note there will be delays in technician visits and equipment shipping.
- **Innovation Science & Economic Development (ISED) Canada reports:**
  - Telecoms carriers are reporting recovery to several cell sites in the affected areas and gradual stabilization of networks.
  - Work on the installation of a fiber optic bypass was successfully completed by mid-day today. This adds a third route, in addition to the path along HWY 99, which increases capacity and redundancy.
  - ISED and Telecoms carriers discussed future generator fuel requirements and the need for fuel prioritization in light of supply chain issues. Some carriers had no requirements, others saw the potential need for prioritization if access continues to be a problem, or local sources of fuel run out. s.15
  - Some carriers reported continuing wireless congestion in the areas where evacuees are congregating.

## CROSS-MINISTRY AND AGENCY UPDATES

### RED CROSS

- Red Cross registration line is now active - people who are impacted by flooding and extreme weather events in British Columbia can register with Red Cross by calling 1-800-863-6582, between the hours of 8 a.m. and 8 p.m. PST.
- CRC has launched an appeal - those wishing to contribute to the British Columbia Floods and Extreme Weather Appeal can donate online at [redcross.ca](http://redcross.ca), by calling 1-800-418-1111, or by texting BCFLOODS to 30333.
- Presence at flood resilience centres in Cowichan Valley Regional District
- Supporting local authorities with providing ESS to stranded travellers in SLRD
- CRC representatives deployed to PECC in Liaison and Recovery Branch.
- CRC representative deployed to CTL PREOC in liaison role
- Supplies deployed: 96 clean up kits, 50 cots, 50 blankets, 60 pillows, 50 hygiene kits

### CANADIAN ARMED FORCES

#### CAF Air Task Force (ATF):

18 Nov: A CH148 Cyclone is conducting an aerial reconnaissance flight, with photos, of critical infrastructure near Laidlaw, BC. Airborne at time of report. CC130 transporting land forces into Abbotsford tonight.

19 Nov: No flights requested at the time of report.

#### CAF Land Task Force (LTF):

18 Nov: LTF recce team was received at SWE PREOC in Surrey. Land forces arriving into Abbotsford. There will be a total of 67 land forces in the mainland at end of day. Most of them will be spending the night at Aldergrove.

19 Nov: Approximately 40 more land forces will arrive by Hercules. Land Task Force current capability is general duty tasks (sandbagging, delivering supplies, etc).

#### Longer Term Plans:

1 x CC177 delivering 3 x CH146 Griffons into Abbotsford on 20 Nov. CC177 will return to home base.

2 x CH147 Chinooks arriving approximately 22 Nov.

Larger land task force intends to move from Edmonton to Lower Mainland. Numbers to be determined.

Best transit method is being investigated.

#### CAF Liaison Officers:

- 1 JTFP LO at EMBC PECC
- 1 JTFP LO at SWE PREOC
- 1 JTFP LO at CTL PROC

#### Aircraft assigned to the Province:

- 1 x CH146 Griffon, Kamloops available for tasking
- 1 x CH146 Griffon, Kamloops available for tasking
- 1 x CH148 Cyclone, Victoria available for tasking
- 1 x CC130 Hercules, Edmonton Abbotsford-Edmonton, available for tasking beginning 20 Nov.

### AIR/SAR BRANCH

The EMBC AIR/SAR Branch is activated 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 should be available in the coming days if required
- Fuel supply at Abbotsford Airport is confirmed adequate for anticipated operations

#### High Level SAR Activation Summary: November 14-16, 2021:

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

#### GSAR GROUP UPDATES

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

#### High Level SAR Activation Summary November 14/21 1300 – Nov 18/21 1300:

49 SAR Incident(s) with 357 PSLV's responded

37 Civil Emergency Response(s) with 424 PSLV's responded

#### High Level SAR Activation Summary November 16/21 1300 – Nov 18/21 1300:

12 SAR Incident(s) with 67 PSLV's responded  
17 Civil Emergency Response(s) with 164 PSLV's responded

#### **Southwest:**

##### **Hope**

- GSAR Group is isolated due to road closures

##### **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
- Only 6 members in the field

##### **Coquitlam**

- GSAR Group not directly affected by flooding
- Regional HETs team working with CFVSAR on the Sumas Prairie South Fraser
- Not deployed for Mutual aid or requested

##### **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

##### **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
- 2 boat crews on standby as a RIT for crews on the Sumas prairie
- No mutual aid teams requested

##### **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

### **Pemberton**

- Communication issues due to topography even with satellite devices
- Worried about availability of Helicopters due to deployment to lower mainland
- No issues with resupply at this time

### **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
- Water levels appear to be dropping; however, the Coldwater River continues to cut parts of the City

#### **Kamloops**

- 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

## **Office of the Fire Commissioner**

### **Support to local services**

- The OFC has been called into Abbotsford in support of the community, and the Abbotsford Fire Department.
  - The AFD has established a DOC to further enhance and enable their coordination efforts for the community.
  - OFC has attended to the fire scene and the community EOC. OFC will remain available to the AFD to support Abbotsford EOC and DOC as needed for the weekend.
  - The fire incident has been brought under control.

## **AGRICULTURE**

### **Report on Dairy**

- On the Sumas Prairie,
  - 20 dairy operations requesting immediate support for deliveries of water and, secondarily, feed. (Approximately 5,700 dairy cows).
  - 19 poultry operations requesting immediate support for deliveries of water and feed.
- AFF staff are liaising with Abbotsford EOC to permit re-entry to farms

- Draft process has been developed
- AFF staff are working with BCWS to provide water deliveries by air.
- AFF staff recommend that agriculture operations be included as an essential service to ensure prioritised road access for agricultural operators, feed, water, waste and milk trucks.
- Hearing concerns from agriculture operations and associated essential service providers not being able to reach farms due to traffic congestion on roads (especially HWY 7).
- 44 regulated poultry operations. Representing ~2.2 million birds
- 59 dairies under Evac Order.

## PROVINCIAL REGIONAL UPDATES

### CENTRAL REGION (CTL)

CTL PREOC has activated in response to flooding.

#### KEY CTL REGIONAL INFORMATION

Total Active Alerts: 8 (+2)

Total Orders: 16 (+3)

Total States of Local Emergency: 7

Total Band Council Resolutions: 4

#### 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.
    - 35 homes within Chopaka IR 7 and 8 along Chopaka Road are isolated due to bridge closures
  - 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 & community is isolated (60-65 people)
- Nooaitch First Nation
  - Band Council Resolution
  - One bridge washed out
  - Spius FSR Bridge opened at 2100 hours November 17, 2021 - 5 tonne limit and essential traffic only
  - Community is isolated, sheltering in place & without paper
- 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
  - IR #4 water intake has been washed out.
  - Repairs underway on George Road to repair access road to the water treatment plant
  - Assessments are underway for repairing the water system
  - 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.
  - Engineering is underway for solutions for bringing both the water and wastewater systems online
  - 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.
  - Houston Street Bridge has reopened, and an assessment has been completed on the Main Street Bridge
- Town of Princeton
  - State of Local Emergency declared.
  - 3 Evacuation Alerts Issued: Properties along the Similkameen & Tulameen Rivers.
  - Boil water advisory in place; downtown core is under “do not consume” order.
  - North water reservoir is empty
  - Gas to Princeton General Hospital has been restored
  - Dike is currently being rebuilt to original height, Tri Valley to work thru the night to restore
  - As a precaution the wooden bridge will remain closed until an engineer assessment has been obtained. All traffic is routed to Hwy 5A - Bridge and dike assessments are continuing



- Regional District Okanagan-Similkameen
  - EOC Activated
  - RDOS EA B – Alert for low-lying properties along the Similkameen River. 1 order for 4 properties on Chopaka Road.
  - RDOS EA H - Alert Issued on November 18, 2021 at 10:00 for low-lying properties along the Similkameen River
  - RDOS EA G – Alert for low-lying properties along the Similkameen River, 1 order for properties Schedule 1.
  - RDOS EA H – Alert for low-lying properties along the Similkameen River, 2 orders for the community of Coalmont.
  - Flooding Tulameen River and some minor landslides. Roads closed in and out of Tulameen and Princeton
  
- 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 – No Alerts 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 – Evacuation Order issued on November 15, 2021 at 16:00 for 51 addressed properties in the community of Brookmere remains in place, while the Alert area has been rescinded.
  - Evacuation Order issued on November 15, 2021 for 2 addressed properties in Electoral Area N remains in place, while the Alert area has been rescinded
  - One Order Issued on November 16, 2021 at 16:00 for 37 addressed properties in Electoral Area I
  - Evacuation Order Issued on November 18, 2021 at 13:30 for 1 address in Electoral Area N at 2972 Merritt Spences Bridge Hwy 8

#### 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.

- **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.

#### SOUTHWEST REGION (SWE)

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

#### **KEY SWE REGIONAL INFORMATION**

Total Active Alerts: 10

Total Orders: 16

Total States of Local Emergency: 7

Total Band Council Resolutions: 0

#### **FIRST NATIONS**

- Chawathil First Nation
  - EOC activated for flooding. 12 homes have flooded, and material is sliding off bluffs around the community
- Leq'á: mel First Nation
  - Virtual EOC activated November 15, 2021 due to flooding and 1,000 sandbags requested
- Lower SStl'atl'imx (LSTC)
  - Heavy rain caused multiple landslides closing roads and affecting power to Douglas, Samahquam, and Skatin
  - Power has been restored to Samahquam
  - In-SHUCK-ch FSR - Road access to north to Pemberton has not been established for all communities.
- Lytton First Nation/Camp Hope
  - Activated in support of evacuees located at Camp Hope
  - Supporting stranded motorists in Hope
  - Food supplies from Camp Hope for Lytton evacuees and First Nation communities is provided for approximately 400+
  - Power is restored
  - Advance planning for food and medical supplies, energy need
- Matsqui First Nation
  - Band Council Resolution
  - Requested sandbags and sand due to localized flooding on IR 2 and IR 4.
- Musqueam First Nation:
  - EOC activated due to flooding
- Peters First Nation
  - EOC activated due to flooding.
- Seabird Island
  - EOC activated for flooding.
  - Currently Seabird Island has endured flooding of several homes and is still in high water advisory. Crews are assessing damage.
  - Group lodging was set up for stranded motorists.
  - Kamp Road off Seabird Island Road released flood waters into Maria Slough causing major impact
  - Seabird and surrounding areas will be out of fuel by Thursday
  - The emergency generator for the community water system is working. Unable to have a secondary unit delivered due to access on local highways
  - TELUS fiber connection from Hope is not functional, temporarily lost communication

- Working to mitigate and dry flooded basements within the community, water diversion and sand bagging and to ensure that the community has enough food and supplies in anticipation of food shortages
- Shxw̓ha: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 and firefighting water in community
  - Intake dam is not working so there is no potable water. Currently trucking water into the water system to make potable water as intake inspections and repairs happen
  - Intake issues have not been resolved yet. More heavy equipment needed. Intake lines will need to be flushed, as debris from high waters have clogged the intake main
  - Food was delivered to the community by helicopter
  - Continue to work on the intake system to get water flowing to the treatment plant
  - Road repairs after washouts are preventing access to the intake
  - Concerned about food and livestock feed shortage
- 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.
  - Fleetwood Mt Rd was badly washed out and there is concern for an accompanying pipe which provides drinking water to 600 people in Sts'ailes
- Sumas First Nation
  - EOC activated for flooding

#### **LOCAL AUTHORITIES**

- City of Abbotsford
  - State of Local Emergency declared
  - Evacuation Orders:
    - Straiton Road (2 Orders) (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.
- Evacuation Alerts:
  - 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).
  - Clayburn Area: Clayburn Village and surrounding area (30 Homes).
  - Sumas Prairie: Expanded (2 Alerts) 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.
  - State of Local Emergency was declared for the City of Chilliwack on November 16, 2021
  - 2,800 people were evacuated
  - If capacity is exceeded at the Chilliwack Landing Sports Centre and Evergreen Hall, 2 additional facilities with a collective capacity of 400 have been identified for use
  - Fuel shortages are becoming a concern to Chilliwack General Hospital in terms of home care workers travelling to patients
  - Reports of some gas stations having to close due to supply chain issues
  - Reports of supply chain issues with grocery stores
  - Some poultry and dairy operations with minor to moderate impacts have been reported.
  - The EOC developed and implemented an entry plan for all suppliers and farmers to provide fuel and feed to farms in affected areas
- 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.
  - Coquitlam Animal Shelter has capacity to temporarily shelter domestic animals for evacuees or other shelter organizations that have exceeded their capacity
- Delta - EOC Activated in response to issues related to flooding and high winds
  - Supporting Abbotsford's Registration & Group lodging Facilities
  - Monitoring and maintaining drainage infrastructure
- 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.
- The Wilson Road dike, Elbow Creek dike have been overtopped and damaged.
- Geotechnical assessment underway for Hood Rd/Lyarden Rd due to slide debris concerns
- Geotechnical assessment on Baker Trail Debris Catch Basin completed
- A hydrotechnical assessment is being conducted to help inform evacuation order status on Wilson Road and Chilliwack Lake Road
- Geotechnical assessment underway to understand the evacuation alert status on Obyrne Road
- Need diesel for generators for water systems in Northbend and Boston Bar as power is out. This will be needed or there will be no water for fire protection and potable water. The FVRD’s utility operator has been trapped in Boston Bar for several days and needs to be relieved and replaced with a new operator
- Village of Harrison Hot Springs – EOC activated due to flooding in the Miami Slough.
  - SOLE declared
  - Sewage is backing up and lift stations cannot keep up to the demand
- District of Hope
  - Access from all Highways (1,3,5) cut off.
  - Currently no food in town due to no power. Stores/restaurants closed.
  - EOC was relocated to the hospital.
- 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.
  - Water is receding in the Kamp Road area
  - Flood pumps at Hammersley Pump Station are again running. Pumping capacity has increased in Harrison Mills with the addition of a rental pump
- 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.
  - Crew mobilized to repair slope at 7800 block of 264 St and to repair bridge wingwall washout at 23600 block of 64 Ave
  - Dozens of hay bales from flooded properties in Fort Langley are ending up in the Salmon River and impacting the flood boxes of the dike station. Crews and contractors are mobilized to remove the hay bales
  - Interim repairs are in progress for 40 Avenue as per geotechnical recommendations

- Monitoring Jacob Haldi Bridge between Fort Langley and Kwantlen First Nations / Metro Vancouver Regional Park for debris getting stuck at the bridge that is flowing down the Fraser River
- **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**
  - 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 9
  - 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 - EOC activated**
  - 1 order issued for 8 properties located on the 8400 block of Benbow Street in Hatzic (8 properties).
  - Remote Mission EOC/RC currently processing extensions for families under Evacuation Order in Hatzic – Benbow
  - ESS requested to support District of Kent with evacuees airlifted from between the mudslides on Highway 7 (50 cots sent to Kent from Mission supply)
  - Virtual RC will be processing vouchers for Kent evacuees through Mission's virtual RC
  - Some road closures continue
  - Completing daily assessments of Benbow Street (Mission)
  - Continuing to partner with Public Works and City media staff to provide accurate Alertable notifications for road closures
  - Two residences on King Avenue are isolated due to complete road wash out
- **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.
  - Stranded travellers from the Hwy 99/Duffy Lake Road mudslide in the Pemberton area continue to be impacted by highway closures. The Pemberton and District Community Centre has seen an influx in those requiring use of shower facilities. Lil'wat Nation has also seen a significant number of travellers sleeping in their vehicles at the Chevron Gas Station and camping in multiple different locations

- Connection has been made with additional travellers requiring ESS and other services
  - 11 individuals have been provided lodging, food and other referral supports
  - As localized flooding is taking some time to drain, damage and impacts to trails and infrastructure is still unknown
- **Pitt Meadows**
  - EOC stood down November 17, 2021
  - The City has progressed to a routine clean up stage following the event
- **Port Coquitlam - EOC activated.**
  - Localized flooding has subsided. Drainage infrastructure was at a maximum capacity and now is continuing to lower
  - Liverpool sanitation backups cleared back to normal flow
  - Sand and bags are available to residents at Public Works Yard
- **Squamish Lillooet Regional District – EOC activated.**
  - A geotechnical engineer will be in the Jason Creek area again 2021NOV18, continuing their survey of the creek system in the Reid Road and Walkerville areas where damage has been observed.
  - The SLRD is working with MFLNRORD and MoTI for urgent access improvements to the McKenzie FSR and Reid Road
- **Squamish District – EOC activated**
  - A sinkhole in the Squamish River dike near the Kowtain reserve is being assessed and monitored. Squamish Nation has been engaged
- **Sunshine Coast Regional District – EOC activated.**
  - Day Road now accessible - Contractor at Whitaker Creek responding to debris flow with excavator
  - Reed Rd water main fixed
  - Roberts Creek Campground road needs attention and site visit occurring for emergency vehicle access
  - 5 wastewater treatment plants are functioning poorly; no public health risk
  - Chapman Creek Water Treatment Plant continued issues with intake. Continuing to monitor
  - 3 dams assessed and no apparent concerns
  - 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. Fortis attempted to secure gas lines to a steel I-beam, which was too short, so is held in place by cranes
  - Fortis rerouting exposed gas line on Lower Road
  - Working to protect water supply/infrastructure for public health and fire flow (Chapman Creek main, water mains, McNeill Lake dam, Grantham's pump station)
- **Surrey – EOC Activated.**
  - Crews are continuing to clean up and repair roads that have been washed out, replace flood boxes and restore spillways that have been damaged. They are also assessing damage to some pump stations due to flooding
  - An individual who resides in the interior is stranded in Surrey and has reached out to the ESS team for support

- Firefighters and ESS volunteers sent to Abbotsford for support
- Vancouver
  - EOC activated for flooding

#### NORTH REGION (NEA & NWE)

NEA PREOC has activated in response to flooding.

##### First Nations:

- **Yunist'in First Nation**
  - Declared a BCR for food shortage issues
  - Community confirms that stores are being replenished in Williams Lake
- **Nazko First Nation**
  - Working with grocery stores in Quesnel to ensure priority is given to community members who have not yet had an opportunity to purchase food items.

##### Village of Queen Charlotte

- SOLE remains in place for 1 property on order from a landslide that occurred in October.
- EMBC has confirmed that there is no imminent risk to MOTI infrastructure at this time.

##### District of Stewart Warming Centre

- Stewart received 2' of heavy snow yesterday which resulted in a power interruption
- Power outages occurred for the majority of the day
- The neighboring town of Hyder, AK is still without power; no estimated time of restoration (crew anticipated to be on site at 1600 hrs). Stewart offered support, however, residents are unable to travel into Stewart due to downed power lines on road.
- A warming centre was opened at the arena to support residents. Is has been closed now that power has been restored.

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

VIC PREOC activated today in response to flooding.

##### KEY VIC REGIONAL INFORMATION

Total Active Alerts: 1

Total Orders: 0(-2)

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.
  - 2 ESS reception centres open.
  - Evacuation Order from Cowichan Tribes has been downgraded to an Alert, with the exception of 3 homes that suffered severe damage - Halalt First Nation remains evacuated
- Nanaimo Regional District:
  - EOC resources remain active to support clean up efforts.
  - State of Local Emergency rescinded. Continue to support residents with overland flooding
  - Evacuation Order rescinded for 380 Martindale Road
- Capital Regional District
  - 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>

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

**APPROVED BY:**

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