

PECC Situation Report (INITIAL) November 15, 2021

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****Primary PECC Phone:****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 \(avalanche.ca\)](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:

Brendan Ralfs
PECC Director

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EM: FLOODING - Stakeholder Outreach Report, 3:00pm November 16, 2021

From: Beyers, Georgina AFF:EX <Georgina.Beyers@gov.bc.ca>
To: Lalani, Arif AFF:EX <Arif.Lalani@gov.bc.ca>, McGuire, Jennifer AFF:EX <Jennifer.Mcguire@gov.bc.ca>, Rainforth, Kelly A AFF:EX <Kelly.Rainforth@gov.bc.ca>, Ethier, Tom AFF:EX <Tom.Ethier@gov.bc.ca>, Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>, Raymond, Mark AFF:EX <Mark.Raymond@gov.bc.ca>
Cc: Burger, Sarah AFF:EX <Sarah.Burger@gov.bc.ca>, Norton, Chris AFF:EX <Chris.Norton@gov.bc.ca>, Hansen, Erin AFF:EX <Erin.Hansen@gov.bc.ca>, Todosichuk, Ardice AFF:EX <Ardice.Todosichuk@gov.bc.ca>, Evers, Charlene AFF:EX <Charlene.Evers@gov.bc.ca>
Sent: November 16, 2021 3:43:54 PM PST
Attachments: 11-16_Compilation_FLOODING_Industry_Outreach.docx
Please find attached the stakeholder outreach report as of 3:00pm November 16, 2021.
Please note that as this situation is rapidly evolving and extremely active on the ground, particularly concerning livestock sectors, many associations are inundated with on the ground support.
Please note the major concerns (cross-sectoral - livestock) are:

- Animal welfare – many reports of mortalities (no metrics offered at this time)
 - Humane euthanasia – options for euthanasia under these circumstances is limited.
 - Disposal capacity of WCR is unclear at this time due to unknown volume – no indications at this time that we will have a backup, however planning is required here in a concerted effort).
- Transportation
 - Animal transportation is compromised (this affects slaughter, and the supply-chain)
 - Feed transportation is in question due to rail outages and access through main corridors compromised.
 - Livestock relocation, safe-havens and access is compromised.
- Loss of horticulture crops
 - Root damage
 - Soil displacement

These impacts are primarily in the flood impacted areas, however as the supply-chain dictates, the impacts are broadly felt due to the cumulative effect.

We will produce an updated report after the 6:00pm livestock sector coordination call.

Thank you,

Gina

Georgina Beyers

Director, Industry Development

BC Ministry of Agriculture, Food and Fisheries

250-896-6221

Compiled outreach as of 2:45pm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

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Compiled outreach as of 2:45pm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

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CROSS SECTORAL

- Transportation
 - Animal transportation and Livestock relocation
 - Feed transportation
- Animal Welfare
 - Mortalities
 - Humane Euthanasia
- Supply chain disruptions
- Product loss
 - Milk dumping
- Producer mental health
- Feed inventory/supply

Systems/Supports

Food Processing

Prepared by:

Zac de Vries, Food Processing Analyst

Tiffany Guan, Food Processing Specialist

Current Impacts

BC Food and Beverage

- Risk to outbound shipments but also inbound ingredients, packaging and supplies.
- Viewed as a federal issue, they are engaged with Canada Food and Beverage and AAFC at this time
- Road closures are having a substantial impact.
 - The highway 1 closure/wash out at Lytton will have the most impact on the situation with regards to the flow of supply. We currently have about 15 loads on the road at various points in the closure. Each day it's closed would represent another approximately 10-15 loads not shipped or stuck in transit. The ports in BC were closed yesterday due to the winds and inclement weather but they should open again which is going to push more product into the Vancouver market that will remain land-locked until an alternate route out of the province is

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- established (which will likely be a combination of highway 3, 5A and 97C through the Okanagan). These routes will add extra days in transit and extra cost to a truck market that has already been seeing limited capacity and surging prices in recent months.
- Essentially all of the trucking companies are not accepting new tenders as their equipment is either tied up in the closures or unwilling to load products with no clear indication of when roads will open up.
 - This will cause continued backlog in warehouses in Vancouver. Once things open up I would imagine we see at least 2-3 weeks of painful backlog depending on how efficient the detour routes operate while they repair the roads on highway 1. The backlog on those alternate highways could be a total mess.
- There was some banter of allowing shipments to travel on T&E bond through the USA from BC ports of exit to cross back into Alberta at Coutts but that adds another level of cost, complexity, import/export restrictions, weight restrictions as well as driver passport/vaccine issues.. some companies may try it on some commodities but imagine it may have limited success at best.
- I also spoke with some contacts at CP rail who mentioned they are at full shut down with no trains moving between Calgary and Vancouver... this is going to further impact the overall supply chain for companies that utilize rail for shipping.

Alcoholic Beverages

- LDB:
 - LDB is currently assessing impacts to the LDB operations. They are unable to provide more information at this time but they are sure they'll have a better picture in the coming days.
- Craft Distillers Guild of BC, Craft Brewers Guild, Farm Crafted Cider Association, Wine Growers BC, New Wave Wine Society, Wine Island Vintners Association, Wine Island Vintners Association
 - No reports yet of direct impacts
 - Concerns focus on inbound and outbound movement of workers, packaging, inputs, and their products

Small Scale Meat Producers Assn

- Producer issues:
 - Merritt completely flooded, can't get to cows, cows in flooded fields, hay drifted away by rivers, irrigation system washed away, fencing along riverbank lost, inventory lost. Water was receding overnight but coming up again.
 - Number 1 issue in Nicola Valley is hay/feed. Hay is already a hot commodity due to drought, barely have enough to get through winters.
 - Need bedding/straw for animals, freezing temperature now, snow on the ground this morning.
 - Need places to take animals, need roads to open, need Cargill to go to work - can't afford to feed animals due to slaughter issue.
 - Family on the cover of Country Life this month is a poster child – no power, no water, no hay, already lost 22 heads of cattle due to wildfires.
- Slaughter issues:
 - Most cows can't get to slaughter due to road closure.
 - Slaughter price is another issue: Cargill went on strike this week, so cow's price will be crucified.
 - Cows/pigs need to get slaughtered but no freezer to store meat even if can get slaughtered. Will need to get to Kamloops and Kelowna to scout out freezer space. Generator is ok but no use if no freezer.

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- Supply chain disruptions:
 - Sold inventory (now all lost), supposed to deliver to the coast, but now supply chain disruptions – even if can feed animals, can get them slaughtered, how to get meat to customers without roads? Market is lower mainland. Provincial plants can't sell meat to AB or WA.

Small Scale Food Processors Association

- Interruption in communications is one issue that is surfacing. Both landline and cellphone issues
- Supply chain impacts from moving food to and from the mainland to the interior is affecting members in both markets.
- Road closures and the reimbursements that may accompany them will have cash flow impacts for some members
- Suggest AFF follows up with Canada Post re impacts of flooding on their operations

BC Abattoir Association

- The movement of workers, livestock, and meat for delivery has been impacted by adverse weather and road closure
- Johnston's Packers (Lower Mainland):
 - Not enough staff can make it in to work to run the plant (roads closed, children home from school, etc.)

Anticipated Impacts

- Simultaneous impacts to supply and demand will lead to backlogs and shortages.
 - There are reports of panic buying in the interior, given disruptions to supply and distribution there are likely to be backlogs resulting in empty shelves and short orders.
 - Likely a 2-3 week impact
- Road closures are significantly impacting the supply chain by preventing or slowing the movement of workers and products as well as inputs and packaging
 - Rural processors with urban markets, such as meat processors, are disproportionately impacted.
- Storage issues and backlogs, most acute in terms of cold storage/freezers which disproportionately impacts meat.

Outreach

BC Food & Beverage (BCFB)
James Donaldson, CEO
james@bcfb.ca,

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Small Scale Food Processor Association (SSFPA)
Candice Appleby, ED
info@ssfpa.net, 1-866-547-7372

BC Association of Abattoirs (BCAA)
Nova Woodbury, ED
novawoodbury@gmail.com, 1-250-558-6855

Small Scale Meat Producers Association (SSMPA)
Julia Smith, President
smallscalemeat@gmail.com , 604-780-5262

Business Alliance of Artisan Fermenters and Distillers (BAAFD)
Carolyn MacLaren, Principle contact
dcmaclaren@shaw.ca, 778.878.6145

Magnum Meats
Chad and Erika Maarhuis
magnummeats@gmail.com

K&M Farms (poultry processor)
Jill Azanza
1-604-309-4902

Wine Growers BC
Miles Prodan
Mprodan@winebc.com

BC Craft Brewers Guild

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Ken Beattie

Ken@bccraftbeer.caom

Craft Distillers Guild of BC

Tyler Dyck

Tyler@okanaganspirits.com

Farm Crafted Cider Association

Jason Child

Jason@merridale.ca

New Wave Wine Society

Pat Bell

BC Artisan Cheese Association

Emma

emma@cheesecrafters.ca

Wine Island Vintners Association

Miles Provencher

wiva@wineislands.com

LDB regarding the distribution of alcoholic beverages

BC Shellfish Growers Association

Nico Prins

(250) 702-7645

Native Fishing Association

Andy Olsen

B.C. Seafood Alliance

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Christina Burrridge
(604) 377-9213

Henry Aquaculture Consult Ltd. (land-based aquaculture industry contact)
Justin Henry

Organic

Prepared by Emma Holmes, Industry Specialist, Organics

Current Impacts

- Over 200 organic producers are in the lower mainland covering a wide array of sectors including organic dairy and poultry production, berries, field crops. Neither the Fraser Valley Organic Producers Association or Organic BC have heard from many producers

Anticipated Impacts

Outreach

COABC Board of Directors
Eva-Lena Lang, ED COABC, ed@certifiedorganic.bc.ca
Niklaus Forsbauer Director COABC, BCAC. Organic farmer,

Fraser Valley Organic Producers Association
Jennifer Boyd,

Paddy Doherty. COABC member. West Enderby Farm, Enderby BC
phone:250 838-0965

DeLisa Lewis, COABC Accreditation board- Inspector and Farmer (Organic: processors. Canada GAP)
phone: email:

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Discovery Organics

Tracey Innes

Senior Industry Development Officer, Northwestern Departmental Regional Office

Agriculture and Agri-Food Canada / Government of Canada

tracey.innes@canada.ca / Tel: 604-292-5874 / TTY: 613-773-2600

Heather Stretch, Saanich Organics/Northbrook Farm

<https://www.saanichorganics.com/>; email: hsandll@shaw.ca

Carmen Wakeling, Eatmore Sprouts & Greens Ltd.

www.eatmoresprouts.com; Ph. 1-250-338-4860

Chris Bodnar, farmer

Educator and consultant in the Fraser Valley. Organic farmer, Abbotsford.

glenvalleychris@gmail.com Phone: 1

Current Impacts

Anita Georgy

Executive Director FarmFolk CityFolk (FFCF)

director@farmfolkcityfolk.ca Phone: 604 730 0450-ext.302

Retail

Prepared by Andrea Hoerger, Sr. Manager, Market Development, Market Development and Trade Unit, FBB

Current Impacts

MDTU staff have reached out to Sobeys and Save on Foods but have not yet heard back. Will update as soon as info is available.

Anticipated Impacts

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Compiled outreach as of 2:45pm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Outreach

Sobeys | Keith Przada | Local Development Manager BC |

| Keith.Przada@sobeys.com

Save-on-Foods | Julie

Food Service Distribution (Commercial and Institutional)

Prepared by Kristina Bouris, A/Senior Manager Value Chain Innovation, Food System Partnerships Unit, FBB

FSP staff have reached out to Sysco, GFS, Chartwells and Dana Hospitality but were unable to connect by deadline. Will update as soon as info is available.

Current Impacts

Anticipated Impacts

Outreach

Sysco – Kelowna Ryan Thiessen | Account Executive, Healthcare and Senior Living p. (250) 766-6027 c.

Thiessen.Ryan@kelowna.sysco.ca

Sysco – Kelowna Noelle Wiebe | Regional Manager - Healthcare and Senior Living p.

Wiebe.noelle@kelowna.sysco.ca

Restaurants

Prepared by Andrea Hoerger, Sr. Manager, Market Development, Market Development and Trade Unit, FBB

Current Impacts

- Information provided by the BC Restaurant and Food Services Association (BCRFA) based on conversations with Gordon Food Services and Sysco
 - Lack of trucks in Vancouver will cause issues of distribution of paper goods from port across the province.
 - Beef is not currently able to be imported from Alberta. Suppliers are now offering frozen beef as opposed to fresh.
 - Sysco has hubs in Langford, Port Coquitlam and Kelowna – all locations are impacted by the flooding in some capacity.

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- Assuming the Malahat opens up, Vancouver Island should be in good shape for the next few days.
- Some restaurants in Kamloops and Kelowna have already closed due to anticipated (or real) supply issues. Grocery stores are also running low in some locations as panic-buying is reportedly happening.

Anticipated Impacts

Outreach

BCRFA – Samantha Scholefield | Program Manager | 604 838-7956 | samantha@sasprilla.ca

Farmers' Markets

Prepared by Andrea Hoerger, Sr. Manager, Market Development, Market Development and Trade Unit, FBB

Current Impacts

- Information provided by the BC Association of Farmers' Markets (BCAFM)
 - There are many longstanding family farms who sell at BCAFM farmers' markets year round who have been affected by the rains and flooding over the past couple of days.
 - BCAFM will be surveying members in the coming days to get a better sense of those impacts.

Anticipated Impacts

Outreach

BCAFM - Heather O'Hara | Executive Director | heather.ohara@bcfarmersmarket.org

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Commodity Outreach

HORTICULTURE

Berries

Prepared by Carolyn Teasdale – Industry Specialist, Berries

Current Impacts

- Berry fields in some areas of the central and eastern Fraser Valley (Sumas Prairie, Matsqui, Pitt Meadows, Mission and Glen Valley) are flooded to a depth of 2 to 4 ft, fields in other regions of the Fraser Valley have up to 2 ft of water depending on topography.
- Blueberries, as the largest berry crop by acreage, are most impacted. The Blueberry Council is surveying its membership for impacts.
- Berry farmers in Sumas Prairie and Yarrow are under evacuation order.
- Blueberry fields are dormant at this time and can withstand 3-4 days of flooding before root damage occurs.
- Cranberry harvest is over in the Fraser Valley, so this year's crop will not be impacted.
- Pumping infrastructure is flooded, ditches and drainage canals are flooded, there is little that producers can do to drain the water from the fields.
- Some farm storage buildings have been flooded. Damage to contents may not be covered by farm insurance policies.

Anticipated Impacts

- Loss of plant vigour in established blueberry fields due to root damage if roots remain submerged beyond four days. As blueberries are a perennial crop, reduced plant vigour will result in reduced yields in years to come.
- Concern is new plantings of blueberries where baby plants are not yet rooted and will become dislodged by the water.
- Loss of sawdust and topsoil are concerns.

Outreach

BC Raspberry Industry Development Council
BC Strawberry Growers' Association
Lisa Craig, Manager
council@bcraspberries.com
info@bcstrawberries.com

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

604-854-8010

BC Blueberry Council
Anju Gill, Executive Director
anju@bcblueberry.com
604-864-2117
Jason Smith, Chair
berrybloo@telus.net

BC Cranberry Growers Association
Mike Wallis
604-309-9868
info@bccranberrygrowers.com

Cannabis/Hemp

Prepared by Rajiv Dasanjh – Industry Specialist, Emerging Markets

Current Impacts

- Have received **no reports** that a licensed, indoor cannabis producer has yet been impacted, or displaced due to flooding
 - If an indoor producer has been displaced due to evacuation order or flooding, production and maintenance operations will have ceased. Crop/revenues will be at immediate loss. Also, if an indoor producer's facilities have flooded, damages would be substantial.
 - Currently searching through industry contacts to see if any indoor producer has been displaced in major flood-zones across BC.
- Licensed outdoor producers will have harvested their crop already, and plant annually, so risk to plant-health and 2021 crop is non-existent
 - Thematic concerns regarding flooding impacts to increased production/maintenance costs for 2022, destruction of infrastructure/topography
- Large hemp producer in Lytton on Evacuation Alert. Hemp harvest has occurred in October, so this year's crop is not at threat of loss
 - Producer is worried that Nooksack River dike will fail, and would subsequently flood his fields
 - As of now, both fields and infrastructure are dry
- 2-3 hemp producers' fields in Fraser Valley area are flooded with 2-3 feet of water, minimal impact to this year's crop or plants (annuals)

Anticipated Impacts

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- Thematic concern for outdoor cannabis/hemp producers is that flooding will alter/displace topsoil, and destroy infrastructure used for farming that will increase the maintenance/production costs for 2022.
- Have received no reports that indoor producers have yet been impacted, or displaced

Outreach

Kerri Lore, Director, Cannabis Cultivators of British Columbia Association

Klore@puresunfarms.com

Sarah Campbell, Director, Craft Cannabis Association of British Columbia

Sarah@craftcannabis.ca

Dwayne Stewart, Executive Director, BC Hop Company (Large hemp Producer)

Dw@bchop.co

Field Vegetables

Prepared by Susan Smith – Industry Specialist, Field Vegetables

Current Impacts

- Most crops largely unaffected

Anticipated Impacts

Outreach

Andre Solymosi, GM, BC Vegetable Marketing Commission (BCVMC)

Mike Wallis, Administrator, Fraser Valley Cole Crop Growers Association

Bill Zylmans, BC Potato & Vegetable Growers Association

Suzanne Babcock, Compliance Officer & Food Safety Rep, BC Vegetable Marketing Commission

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Murray Driediger, CEO, BC Fresh

Heather Meberg, Principal, ES Cropconsult Ltd.

Reg Ens, BC Agriculture Council (BCAC), Executive Director

Peter Guichon, Felix Farms, grower, Delta, BC

Leisa Yee, BC Potato and Vegetable Growers Association & Delta Farmers Institute, Administrator, Delta, BC

Wes Heppels, Heppels Potatoes, Cloverdale, BC

Chris Porter, Desert Hills Ranch, Ashcroft, BC

[Mike Wallis, Administrator, Fraser Valley Cole Crop Growers Association](#)

Grain/Oilseeds

Prepared by Nadia Mori, Regional Agrologist/Industry Specialist, Grains and Oilseeds

Current Impacts

Grain transportation affected due to rail interruption and transportation trucks caught on either side of the flooded areas

Anticipated Impacts

Due to lower grain yields in the 2021 season, impact may not be as significant as there is less grain to be moved.

Concerns were raised around feed grain which is transported to dairy operations in the southern regions and may not be able to be delivered to end-recipient.

If situation persists, there are concerns over supply chain interruption for seeding supplies, such as fertilizer, seed, IMP tools etc.

Outreach

BC Grain Producer Association (BCGPA)

Jennifer Critcher

(250)785-5774

admin@bcgrain.com

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

BC Seed Growers Association

Ed Hadland - bcseedgrowers@gmail.com

Dave Wuthritch - pwfarms@xplornet.com

Robert Vanderlinden - !

Elevators

Kelly Klassan - Viterra - kelly.kassian@viterra.com

Don Biegel - AgroSource - don@agrosourceltd.com

Peace Region Forage Seed Association

Talon Gauthier - Manager

coordinator@peaceforageseed.ca

Greenhouse

Prepared by Carolyn Teasdale, Industry Specialist, Berries

Current Impacts

No response to outreach.

Anticipated Impacts

Outreach

Lisa Delli Santi – BC Greenhouse Growers’ Association

linda@bcgreenhouse.ca

Jos Moerman – Sunnyside Greenhouse

jos@sunnysdieproduce.ca

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Hazelnut

Prepared by Karina Sakalauskas, Industry Specialist, Emerging Markets

Current Impacts

- The standing water in the fields has receded a fair bit since yesterday (Chilliwack-Agassiz area)
- All hazelnuts have been harvested.
- Some infrastructures are flooded (barns-process buildings-wooden totes)
- Some equipment flooding (harvesters-sweepers)

Anticipated Impacts

- Concerns on current new planting (fall planting), hazelnut trees are not rooted yet.
- Plant damage. Poor establishment of new trees.
- Concerns of insurance coverage
- Infrastructure and equipment damage

Outreach

Kevin Hooze, Hazelnut grower and processor. Fraser Valley Hazelnut, Chilliwack
kevin@fraservalleyhazelnuts.com Phone: |

Steve Hope, Fraser Valley Hazelnut, Chilliwack
Chair of BC Hazelnut Growers Association
Steve@fraserhazelnuts.com, cell: 604 217-8880

Tyrone McNeil Seabird Island Band –Agassiz
Tyrone.mcneil@sqewqel.ca, cell:

Hops

Prepared by Rajiv Dasanjh – Industry Specialist, Emerging Markets

Current Impacts

- 4-5 Hops producers in the Fraser Valley are currently under evacuation order

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- All hop-yards have been previously harvested in October, so this year's crop is **not** at threat of loss
- Multiple hop-yards (2-3) are currently flooded (2-3 feet of water) in the Fraser Valley
- Some infrastructure flooding (barns, processing rooms)

Anticipated Impacts

- Infrastructure damage, top-soil loss and disposition, and plant damage is anticipated to impact the 2022 growing season
- Damaged/rotted poles, increased plant-mortality is expected for 2022, especially for plantings under 2 years of age
- Hops are not eligible for Production Insurance in the Province, and are not eligible for flood-damage coverage for plant-loss
- Increased maintenance/costs of production for 2022

Outreach

BC Hops Growers Association (BCHGA), Chilliwack
Ken Malenstyn, President
Kenm@barnsidebrewing.ca

Nursery

Prepared by Carolyn Teasdale, Industry Specialist, Berries

Current Impacts

No response to outreach.

Anticipated Impacts

Outreach

Outreach

BC Landscape and Nursery Association – BCLNA
Hedy Dyck, COO, HDyck@bclna.com

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

ANIMAL

Bees

Prepared by Karina Sakalauskas – Industry Specialist, Emerging Markets

Current Impacts

- Some hives flooded out in Merrit and in the Lower Mainland. Hives have been relocated by beekeepers to safe areas.
- BCHPA is reaching out to their members to find out if other beekeepers are affected.

Anticipated Impacts

- Damaged hives due to the flooding.

Outreach

BC Honey Producers Association
Jeff Lee (President)
Jeff@honeybeezen.com

BC Honey Producers Association
Heather Higo

Bison

Prepared by Christina Forbes – Industry Specialist, Livestock

Current Impacts

- No producers have identified issues with flooding. One producer in Merritt is in the hills and not impacted.

Anticipated Impacts

- None at this time.

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Outreach

Conrad Schiebel
BC Bison Association
President
conschiebel@gmail.com
1-587-336-3537

Cattle

Prepared by Christina Forbes – Industry Specialist, Beef and Livestock;

Current Impacts

- At this time Cattlemen's is not aware of any producers under immediate threat and is reaching out to its members.

Anticipated Impacts

- Princeton and Merritt areas may have ranchers impacted due to flooding.
- Feed shortage concerns for grains

Outreach

BC Cattlemen's Association (BCCA)
Kevin Boon
bccattle@cattlemen.bc.ca
1-250-573-3611

BC Association of Cattle Feeders (BCACF)
Andrea Van Iterson
info@bcacf.ca
1-250-371-7756

BC Breeders and Feeders Association (BCBFA)

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Lindy Gilson
bearvilly@telus.net
1-250-992-8483

Dairy

Prepared by Tom Droppo, Dairy/Pork Industry Specialist

Current Impacts

we have a much greater crisis that attempting to relocate animals. Although this may be identified as a task for some dairies, it has been communicated that several dairy farms have had to be abandoned & animals are left standing in water. We have an animal welfare crisis here.

A communications piece from BC Dairy is going out to all dairies in the impacted area. I am waiting for BC dairy to inform us where they need help.

BC Dairy has put together a Team to communicate with producers. The situation is 'very serious'. There are many dairies that have had to abandon their farms & leaving animals in water. Calls that BC Dairy have taken from producers – majority in shock & distraught. Crying, mentally distressed.

BC Dairy has taken the approach that they will send out a bulk email to dairy producers & encourage them to call BC Dairy to discuss where they need help or to discuss their situation. BC Dairy finding that the few they have called are so distressed they cant talk or break down crying.

I have asked BC Dairy to let us know where AFF can assist. If BC Dairy needs help in calling or taking calls, I've said AFF is prepared to assist. BC Dairy would appreciate crisis line / mental help support #'s to pass along to dairy producers.

Given what I just heard, we have an animal welfare crisis now. Animals left in flooded barns standing in water, cannot lie down nor be fed, milked or tended to.

Other info BC Dairy shared:

1. Some farms classified as under an Evac Order are high & dry (so far).
2. Some farms classified as under an Evac Order & under water, the farmer has not left the farm yet (but may have to).
3. Some farms classified as under an Evac Order & have left. Animals standing in water – can't lie down, silage bunkers flooded, power down, disastrous.

BC dairy has asked for help finding accommodations for farmers & their families that have to leave but don't have a place to go.

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Based on latest GIS generated listing, BC Dairy will be crunching some numbers to determine animal #'s impacted. We are definitely going to have a huge mortality problem (i.e., cows injured/drowned; replacements – calves in hutches that have flooded – hypothermia/drowning). Very serious.

4. With road closures/evacuations/etc, best guesstimate is that BC is cut off from at least 60% of its milk supply, which equates to 1,500,000 litres of raw milk/day.
5. Milk processing plant shortages will be realized today & throughout the week. Industrial plant shortages for sure since milk is first directed to fluid plants. Today, BCMMB will be shorting fluid plants from their normal daily volumes.

A better assessment on #'s / impacts on processing side will come later this afternoon.

Anticipated Impacts

Outreach

BC Milk Marketing Board (BCMMB)
Andrew (Woody) Siemens
Manager, Market Supply & Development
wsiemens@bcmilk.com
T: 604.556.3444

Goat

Prepared by Christina Forbes – Industry Specialist, Livestock

Current Impacts

- At this point in time no reports of affected producers have been received by BC Goat Association and they continue to do outreach

Anticipated Impacts

Outreach

Zoe Thorbergson
President

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

BC Goat Association

Agassiz Goat Dairy
Markus and Andrea Flukiger

Horse

Prepared by Kim Sutherland – Regional Agrologist

Current Impacts

Anticipated Impacts

Outreach

Kelly Coughlin
HCBC
Manager Industry and Agriculture
industry@hcbc.ca
604-992-1910

Pork

Prepared by Tom Droppo, Dairy/Pork Industry Specialist

Current Impacts

Producers unable to access barns anticipate that animals may have suffered/died. One of these farms is directly adjacent to AFF Abbotsford office. Transportation/road closure issues have stranded liners, notably in Manning Park – this liner has since been redirected to Kamloops – more information to come.

Anticipated Impacts

Feed inventory is low, and true inventory is unknown. Transportation disruptions anticipated to exasperate this issue.

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Richie Smith feeds estimates that surplus feed supply in elevators may extend supply to ~2 weeks.

Anticipated Impacts

Outreach

Johnston's Pork, Chilliwack
Bonnie Windsor, Assistant Plant Manager

T:

BC Pork Producers Association (BCPPA)
Christine Koch, General Manager
Koch.c@telus.net

T:

Poultry

Prepared by Kim Sutherland – Regional Agrologist

Current Impacts

Most of members of the BC Chicken Marketing Board have been impacted by flooding, and perhaps a majority are in areas under evacuation order. They are reaching out to membership to try to evaluate things more closely. As of Sunday evening, 27 farms were impacted. Relocation is not an option for most farms and many farms will experience complete loss of birds. In many cases, farmers were forced to walk away from their operations. In some cases, they left the electricity on and in other cases they did not. For farms that are not evacuated and where flocks have not been lost, getting feed to the farms is an issue as they only have a few days of feed on site. Feed deliveries are impacted, trucks cannot get in. Catching crews cannot reach the farms.

Had a request from Premises ID to populate the database and are working on that.

Are very, very concerned about accessing feed with all rail and truck transport being blocked. Call for securing feed grains at the ports to be redirected to the Fraser Valley.

Most farmers are in a lot of emotional distress.

Anticipated Impacts

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Anticipate that will soon run out of feed grains in the Fraser Valley with all routes to the east being blocked.

Anticipate farmers will need emotional support as well. A hot line type of support would be good.

Outreach

Christine Rickson

Executive Assistant'

Christinerickson@bcchicken.ca

(604) 859-2868

Eggs

Prepared by Kim Sutherland Regional Agrologist, Fraser Valley East

Current Impacts

Currently BC Egg is reaching out to their members on impacts. Most of the farms with BC Egg are in areas heavily impacted by flooding. BC Egg is reaching out to their membership to try to determine detailed impacts of flooding, however, the expectation is that there have been losses in the case of direct flooding and because families have been forced to evacuate their farms. Currently relocation of birds is not what is being discussed in my conversations with BC Egg. Their estimate is that many, if not a majority, of their membership is directly affected by flooding. Additional impacts are of road closures and transportation of feed. Most farms have only a few days feed on hand.

Securing more feed with the both the rail lines and road transport unavailable is an urgent issue. The industry is very concerned about running out of feed before transportation is resumed.

Anticipated Impacts

Disposal of mass mortality is going to be an upcoming issue.

Outreach

Mike Bose, Surrey AAC Co-Chair and Poultry Producer

mjbose@telus.net,

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Sheep

Prepared by Christina Forbes, Industry Specialist - Livestock

Current Impacts

- Aware of one producer in the Princeton area whose situation is getting increasingly worse, but waters are expected to recede
- Primarily flood damage to fields and infrastructure which are difficult to assess at this time

Anticipated Impacts

Outreach

BC Sheep Federation (BCSF)

Barb Ydenberg

bydenberg@gmail.com

Jacques & Nan Campbell

campbellfarm@saturnacan.net

Feed

Tom Droppo, Industry Specialist - Dairy and Pork

Nadia Mori, Regional Agrologist/ Grain & Oilseed Specialist

Current Impacts

Interruption of truck travel impedes feed grain transportation

Anticipated Impacts

Concerns were raised around feed grain which is transported to dairy operations in the southern regions and may not be able to be delivered to end-recipient.

Ritchie Smith identifies that surplus inventory in elevators may extend to ~2 weeks supply. Downscaling custom mixes and sticking to basics to extend supply.

Outreach

Ritchie-Smith Feeds (a prominent feed manufacture in BC)

James Colquhoun, Director of Purchasing

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Forage

Prepared by Chris Zabek, Regional Agrologist

Current Impacts

- Perennial forage stands, particularly in Sumas Prairie, are inundated. While established stands during this season may withstand flooding for up to a week they will not tolerate prolonged flooding.
- Stored forage supplies (hay, silage) likely to be damaged/destroyed by flood water

Anticipated Impacts

- Sediment deposition, if severe enough (2+ inches) may require reestablishment of forage stands in 2022.
- Interruption of transportation corridors may prevent movement of hay from seller to buyer, especially into/out of the lower mainland
- Erosion in some fields and areas may require rehabilitation before fields can be replanted

Outreach

Serena Black, BC Forage Council
bcfc@bcforagecouncil.com
250-564-4115

Mike Witt, Witt Precision Ag
mike@wittag.ca
250-558-9577

Regional Outreach

Hwy 16 North

Regional Agrologist, John Stevenson 250 643 2445 / John.J.Stevenson@gov.bc.ca

Regional Agrologist, Karen Tabe 236 409-2009 / Karen.Tabe@gov.bc.ca

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Current Impacts

Not aware of any current impacts in the Central Interior

Anticipated Impacts

Central Interior is a livestock feed export area, potential for hay deliverers to the south to be delayed. Although supply routes from the south are impacted, transportation routes from Alberta are open.

Outreach

Cariboo-Chilcotin Coast

Nicole Pressey / Nicole.Pressey@gov.bc.ca

Marisa Nightingale 250-267-2540 marisa.nightingale@gov.bc.ca - Nov 16, 2021

Current Impacts

Not aware of any current impacts due to flooding in the Cariboo-Chilcotin Coast Region

Anticipated Impacts

Anticipated impacts include feed and fuel shortages due to trucking limitations as transportation corridors to the lower mainland are currently severely impacted

Outreach

Jordan Grier, Cariboo Cattlemen Association Vice President

Central and South Okanagan and Boundary

Chris Zabek / Chris.Zabek@gov.bc.ca

Philip Gyug 250-378-0573 / Philip.Gyug@gov.bc.ca

Current Impacts

- Central Okanagan – power outages should be resolved by end of day. No reported current impacts due to flooding or landslides.

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- Kootenay Boundary – No reported current impacts due to flooding or landslides

Anticipated Impacts

- Potential fuel/supply shortages and inability to move agricultural products to markets in the lower mainland due to transportation corridor disruptions, depending upon length of interruption

Outreach

Regional District of Central Okanagan

City of Kelowna

District of Lake Country

Fraser Valley

Regional Agrologist - Kim Sutherland - 604 556-3073 / Kim.Sutherland@gov.bc.ca

Current Impacts

Anticipated Impacts

Outreach

Kootenay

Kevin Murphy - 250 402-2624 / Kevin.J.Murphy@gov.bc.ca

Current Impacts

Other than a flood alert impacting 10 residences just east of Fernie there are no evacuation orders or alerts in either RD Central Kootenay or RD East Kootenay as a result of recent heavy rains. Power outages are being restored throughout the Central and East Kootenay though no impacts to agriculture are known.

Anticipated Impacts

Outreach

Wloka Farms

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Barb Wloka
Wlokafarms@yahoo.com

Hummingbird Farm (floriculture)
Lana Braun
hummingbirdfarmbc@gmail.com

New Denver Farmer's Market Vendor
Mick Wilson
earthlypleasures@hotmail.com

Creston Valley Food Action Coalition
James Gates, President
cvfac.james@gmail.com

Kootenay & Boundary Farm Advisors
Rachael Roussin, Coordinator
coordinator@kbfa.ca

Windermere & District Farmer's Institute
Peter Trescher, Secretary
Rick Tegart, President
brisco@winkwireless.ca
drtegart@icloud.com

Kootenay Livestock Association
Tyler Morrison, President

Creston cherry grower
Don Low
kootlow@gmail.com

Field vegetable grower (asparagus and sweet corn)
Doug Sutcliffe

Compiled outreach as of 2:45pm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

sutcliffefarms@gmail.com

Organic dairy producer & processor

Wayne Harris

Kootenay Meadows

info@kootenaymeadows.com

Metro Vancouver

Current Impacts

Anticipated Impacts

Outreach

City of Pitt Meadows

Delta Farmers Institute – Leisa Yee

Lyeedfi@telus.net

North Okanagan

Lindsay Benbow- 778-943-7026/ Lindsay.Benbow@gov.bc.ca

Current Impacts

Power outages occurring throughout the region – most have been resolved promptly

Travel and transport of materials and supplies restricted to and from FV due to transportation corridors being compromised

No specific incidences of flooding or landslides

Anticipated Impacts

Feed supply impacts for dairy producers in the region that rely on Feed Companies in the Fraser Valley

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Transportation corridor closures also resulted and will continue to result in milk not able to make it to processing facilities in the FV - producers being told to dump milk

Outreach

Henry Bremer, President, KODA (Kamloops Okanagan Dairy Association)

H63bremer@gmail.com

250-833-8818

Laura Frank, Regional Planning Projects Manager, RDNO

Laura.frank@rdno.ca

250-550-3768

Peace Region

Aaron Mackay - 250 787-3214 / Aaron.Mackay@gov.bc.ca

Current Impacts

Anticipated Impacts

Outreach

Peace River Forage Association of BC

Neil Ward (President; Producer)

neilnward@outlook.com

1-403-512-0518

BC South Peace River Stockmen's Association

Judy Madden (President; Producer)

doublem@pris.ca

1-250-782-7875

Compiled outreach as of 2:45pm, Tuesday, November 16, 2021

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Sea to Sky

Sunshine Coast Regional District, qathet Regional District, Squamish-Lillooet Regional District

Angela Boss - [/ Angela.Boss@gov.bc.ca](mailto:Angela.Boss@gov.bc.ca)

Current Impacts

Anticipated Impacts

Outreach

Sunshine Coast Farmers' Institute (Raquel Kolof)
raquelko@telus.net

Sechelt Farmer Market (John Byrnes)- March 24, 2020
secheltmarket@gmail.com

Vancouver Island North

Nanaimo, Comox Valley, Alberni-Clayoquot, Strathcona and Mt Waddington Regional Districts, Northern Gulf Islands

Jill Hatfield - [/ Jill.Hatfield@gov.bc.ca](mailto:Jill.Hatfield@gov.bc.ca)

Current Impacts

Anticipated Impacts

Outreach

Arzena Hamir – Amara Farm (organic fruit and vegetables)
Email: arzeenahamir@shaw.ca

Vancouver Island South

Doug Pepper - [/ Doug.Pepper@gov.bc.ca](mailto:Doug.Pepper@gov.bc.ca)

Current Impacts

Anticipated Impacts

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Outreach

Tony Beck

President Salt Spring Island Agricultural Alliance

tonybeckhome@shaw.ca

Note: Feedback based on farmer survey's top concerns

CROSS SECTORAL

First Nations Agriculture Association

Prepared by Lindsay Bisschop, Executive Director

Current Impacts

- All highway access to Lytton/Boston Bar are closed. They are monitoring Highway 1 between Spences Bridge and Boston Bar as there are significant issues in 4 places. Estimate is minimum of 30 days to open the road.
- Railroad gone in 7 locations up the Fraser Canyon. MOTI engaged by Chief Patrick Mitchell. Community has food storage on site for 2-3 days, potable water and new building is battery powered due to rebuild decisions by community leadership.
- Coldwater band (#2 reserve with 10 homes) is cornered in and bridges are washed out or unstable. Power is out in the community though there are a few generators in the community. Bridges in Merrit are washed out. Planning on shipping 15 calves this week and will have to keep them around a bit longer. Got 2 inches of snow though hasn't frozen rivers.

Anticipated Impacts

- Need the Highway 12 reopening and clearing of debris to get to Lillooet. If not opened by Thursday, there will be issues.
- Risk of retraumatizing Lytton evacuees as some are stranded in Chilliwack.

Outreach

Harold Aljam

First Nations Agriculture Association

250-378-6174

harold.aljam@gmail.com

Issue: Flooding – Agriculture Sector Impact

Industry Liaison & Outreach Functional Group

Compiled outreach as of 2:45pm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Chief Patrick Mitchell

Kanaka Bar First Nation

chief@kanakabarband.ca

Update: FLOODING - Stakeholder Outreach Report, 8:30pm November 16, 2021

From: Beyers, Georgina AFF:EX <Georgina.Beyers@gov.bc.ca>
To: Lalani, Arif AFF:EX <Arif.Lalani@gov.bc.ca>, McGuire, Jennifer AFF:EX <Jennifer.Mcguire@gov.bc.ca>, Rainforth, Kelly A AFF:EX <Kelly.Rainforth@gov.bc.ca>, Ethier, Tom AFF:EX <Tom.Ethier@gov.bc.ca>, Knox, Graham G AFF:EX <Graham.Knox@gov.bc.ca>, Raymond, Mark AFF:EX <Mark.Raymond@gov.bc.ca>
Cc: Burger, Sarah AFF:EX <Sarah.Burger@gov.bc.ca>, Norton, Chris AFF:EX <Chris.Norton@gov.bc.ca>, Hansen, Erin AFF:EX <Erin.Hansen@gov.bc.ca>, Todosichuk, Ardice AFF:EX <Ardice.Todosichuk@gov.bc.ca>, Evers, Charlene AFF:EX <Charlene.Evers@gov.bc.ca>, Cotton, Brian GCPE:EX <Brian.Cotton@gov.bc.ca>
Sent: November 16, 2021 8:59:50 PM PST

Attachments: 11-16_2_Compilation_FLOODING_Industry_Outreach.docx

Please find attached an updated stakeholder outreach report as of 8:30PM.

An estimated 250 direct touchpoints with our stakeholders occurred today, by either phone, email, text message or meeting.

Updates of note:

- New intel related to the livestock sector, per 5:00pm coordinated livestock industry call.
- New section: Action items underway.

Please note that this update does not reflect new impacts related to the recent evacuation bulletin for the Sumas Prairie area received at 8:00PM this evening.

Thank you,

Georgina

Georgina Beyers

Director, Industry Development

BC Ministry of Agriculture, Food and Fisheries

250-896-6221

From: "Beyers, Georgina AFF:EX" <Georgina.Beyers@gov.bc.ca>

Date: Tuesday, November 16, 2021 at 3:43 PM

To: Arif Lalani <Arif.Lalani@gov.bc.ca>, "McGuire, Jennifer AFF:EX" <Jennifer.Mcguire@gov.bc.ca>, "Rainforth, Kelly A AFF:EX" <Kelly.Rainforth@gov.bc.ca>, "Ethier, Tom AFF:EX" <Tom.Ethier@gov.bc.ca>, "Knox, Graham G AFF:EX" <Graham.Knox@gov.bc.ca>, "Raymond, Mark AFF:EX" <Mark.Raymond@gov.bc.ca>

Cc: "Burger, Sarah AFF:EX" <Sarah.Burger@gov.bc.ca>, "Norton, Chris AFF:EX" <Chris.Norton@gov.bc.ca>, Erin Hansen <Erin.Hansen@gov.bc.ca>, "Todosichuk, Ardice AFF:EX" <Ardice.Todosichuk@gov.bc.ca>, "Evers, Charlene AFF:EX" <Charlene.Evers@gov.bc.ca>

Subject: EM: FLOODING - Stakeholder Outreach Report, 3:00pm November 16, 2021

Please find attached the stakeholder outreach report as of 3:00pm November 16, 2021.

Please note that as this situation is rapidly evolving and extremely active on the ground, particularly concerning livestock sectors, many associations are inundated with on the ground support.

Please note the major concerns (cross-sectoral - livestock) are:

- Animal welfare – many reports of mortalities (no metrics offered at this time)
 - Humane euthanasia – options for euthanasia under these circumstances is limited.
 - Disposal capacity of WCR is unclear at this time due to unknown volume – no indications at this time that we will have a backup, however planning is required here in a concerted effort).
- Transportation
 - Animal transportation is compromised (this affects slaughter, and the supply-chain)
 - Feed transportation is in question due to rail outages and access through main corridors compromised.
 - Livestock relocation, safe-havens and access is compromised.
- Loss of horticulture crops
 - Root damage
 - Soil displacement

These impacts are primarily in the flood impacted areas, however as the supply-chain dictates, the impacts are broadly felt due to the cumulative effect.

We will produce an updated report after the 6:00pm livestock sector coordination call.

Thank you,

Gina

Georgina Beyers

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

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Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Current Action Items

MAFF

- Need to sort out where feed can be accessed and how it can get to key areas in the Fraser Valley. This includes:
- Discussion with the Grain Elevator at the Port to redirect grain to Fraser Valley not exported
- Reach out to feed supply folks in the North about how much feed they have (grain, oil seeds and forage) and how we can move to Fraser Valley
- Continue conversations with feed suppliers that is currently underway
- Being able to move things around and permitting is crucial – contact Reg Stewart to assist with this
- Ministry of environment – work on the streams as a matter of prevention in future and mitigate the damage
- Conversation with DFO on salmon habitat

EMBC

- Feed that is spoiling due to storage location
 - How quickly can the forage be salvaged *OPPORTUNITY FOR HELICOPTER USE? INVENTORY FOR BROADER EMERGENCY DISTRIBUTION?
- Need for folks in the PREOC to be more direct and define what it is that agriculture needs and help EMBC map this out because until today agriculture was not on their radar
- Local EOC (RCMP) are not allowing farmers to go back to their farms to check on the animals; some farmers have figured a solution in moving their animals to other farms but need the permits to allow cattle liners to get to the farms and RCMP are not allowing it. Permitting to allow access for farmers dealing with floods, as in wildfires, continues to be a problem for agriculture.
- Need EMBC to include farms regardless under DFA – administrative change
- Highway #3 is critical and consistent message across all commodities that it needs to reopen and made for essential services

Industry

- Need to provide the forecast for the next 5-7 days to all the commodity groups so they can prepare for what is coming
- Need to provide updates when highways reopen
- Need to work on a strategy on removal of dead stock and disposal with West Coast Reduction Ltd.
- MAFF
- Need to be better disciplined on what it is the sector is asking for and mapping out what we have to do
- Need those in the PREOC to step up and start taking action
- Better coordination of the information and ensuring Georgina gets the information

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Systems/Supports

Food Processing

Prepared by:

Zac de Vries, Food Processing Analyst

Tiffany Guan, Food Processing Specialist

Current Impacts

BC Food and Beverage

- Risk to outbound shipments but also inbound ingredients, packaging and supplies.
- Viewed as a federal issue, they are engaged with Canada Food and Beverage and AAFC at this time
- Road closures are having a substantial impact.
 - The highway 1 closure/wash out at Lytton will have the most impact on the situation with regards to the flow of supply. We currently have about 15 loads on the road at various points in the closure. Each day it's closed would represent another approximately 10-15 loads not shipped or stuck in transit. The ports in BC were closed yesterday due to the winds and inclement weather but they should open again which is going to push more product into the Vancouver market that will remain land-locked until an alternate route out of the province is established (which will likely be a combination of highway 3, 5A and 97C through the Okanagan). These routes will add extra days in transit and extra cost to a truck market that has already been seeing limited capacity and surging prices in recent months.
- Essentially all of the trucking companies are not accepting new tenders as their equipment is either tied up in the closures or unwilling to load products with no clear indication of when roads will open up.
 - This will cause continued backlog in warehouses in Vancouver. Once things open up I would imagine we see at least 2-3 weeks of painful backlog depending on how efficient the detour routes operate while they repair the roads on highway 1. The backlog on those alternate highways could be a total mess.
- There was some banter of allowing shipments to travel on T&E bond through the USA from BC ports of exit to cross back into Alberta at Coutts but that adds another level of cost, complexity, import/export restrictions, weight restrictions as well as driver passport/vaccine issues.. some companies may try it on some commodities but imagine it may have limited success at best.
- I also spoke with some contacts at CP rail who mentioned they are at full shut down with no trains moving between Calgary and Vancouver... this is going to further impact the overall supply chain for companies that utilize rail for shipping.

Alcoholic Beverages

- LDB:

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- LDB is currently assessing impacts to the LDB operations. They are unable to provide more information at this time but they are sure they'll have a better picture in the coming days.
- Craft Distillers Guild of BC, Craft Brewers Guild, Farm Crafted Cider Association, Wine Growers BC, New Wave Wine Society, Wine Island Vintners Association, Wine Island Vintners Association
 - No reports yet of direct impacts
 - Concerns focus on inbound and outbound movement of workers, packaging, inputs, and their products

Small Scale Meat Producers Assn

- Producer issues:
 - Merritt completely flooded, can't get to cows, cows in flooded fields, hay drifted away by rivers, irrigation system washed away, fencing along riverbank lost, inventory lost. Water was receding overnight but coming up again.
 - Number 1 issue in Nicola Valley is hay/feed. Hay is already a hot commodity due to drought, barely have enough to get through winters.
 - Need bedding/straw for animals, freezing temperature now, snow on the ground this morning.
 - Need places to take animals, need roads to open, need Cargill to go to work - can't afford to feed animals due to slaughter issue.
 - Family on the cover of Country Life this month is a poster child – no power, no water, no hay, already lost 22 heads of cattle due to wildfires.
- Slaughter issues:
 - Most cows can't get to slaughter due to road closure.
 - Slaughter price is another issue: Cargill went on strike this week, so cow's price will be crucified.
 - Cows/pigs need to get slaughtered but no freezer to store meat even if can get slaughtered. Will need to get to Kamloops and Kelowna to scout out freezer space. Generator is ok but no use if no freezer.
- Supply chain disruptions:
 - Sold inventory (now all lost), supposed to deliver to the coast, but now supply chain disruptions – even if can feed animals, can get them slaughtered, how to get meat to customers without roads? Market is lower mainland. Provincial plants can't sell meat to AB or WA.

Small Scale Food Processors Association

- Interruption in communications is one issue that is surfacing. Both landline and cellphone issues
- Supply chain impacts from moving food to and from the mainland to the interior is affecting members in both markets.
- Road closures and the reimbursements that may accompany them will have cash flow impacts for some members
- Suggest AFF follows up with Canada Post re impacts of flooding on their operations

BC Abattoir Association

- The movement of workers, livestock, and meat for delivery has been impacted by adverse weather and road closure
- Johnston's Packers (Lower Mainland):
 - Not enough staff can make it in to work to run the plant (roads closed, children home from school, etc.)

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Anticipated Impacts

- Simultaneous impacts to supply and demand will lead to backlogs and shortages.
 - There are reports of panic buying in the interior, given disruptions to supply and distribution there are likely to be backlogs resulting in empty shelves and short orders.
 - Likely a 2-3 week impact
- Road closures are significantly impacting the supply chain by preventing or slowing the movement of workers and products as well as inputs and packaging
 - Rural processors with urban markets, such as meat processors, are disproportionately impacted.
- Storage issues and backlogs, most acute in terms of cold storage/freezers which disproportionately impacts meat.

Outreach

BC Food & Beverage (BCFB)
James Donaldson, CEO
james@bcfb.ca,

Small Scale Food Processor Association (SSFPA)
Candice Appleby, ED
info@ssfpa.net, 1-866-547-7372

BC Association of Abattoirs (BCAA)
Nova Woodbury, ED
novawoodbury@gmail.com, 1-250-558-6855

Small Scale Meat Producers Association (SSMPA)
Julia Smith, President
smallscalemeat@gmail.com , 604-780-5262

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Business Alliance of Artisan Fermenters and Distillers (BAAFD)
Carolyn MacLaren, Principle contact
dcmaclaren@shaw.ca, 778.878.6145

Magnum Meats
Chad and Erika Maarhuis
magnummeats@gmail.com

K&M Farms (poultry processor)
Jill Azanza
1-604-309-4902

Wine Growers BC
Miles Prodan
Mprodan@winebc.com

BC Craft Brewers Guild
Ken Beattie
Ken@bccraftbeer.caom

Craft Distillers Guild of BC
Tyler Dyck
Tyler@okanaganspirits.com

Farm Crafted Cider Association
Jason Child
Jason@merridale.ca

New Wave Wine Society
Pat Bell

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

BC Artisan Cheese Association

Emma

emma@cheesecrafters.ca

Wine Island Vintners Association

Miles Provencher

wiva@wineislands.com

LDB regarding the distribution of alcoholic beverages

BC Shellfish Growers Association

Nico Prins

(250) 702-7645

Native Fishing Association

Andy Olsen

B.C. Seafood Alliance

Christina Burrige

(604) 377-9213

Henry Aquaculture Consult Ltd. (land-based aquaculture industry contact)

Justin Henry

Organic

Prepared by Emma Holmes, Industry Specialist, Organics

Current Impacts

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- There are over 200 organic producers in the lower mainland covering a wide array of sectors including organic dairy and poultry production, berries, field crops. Wide array of impacts that are more closely tied to sector than organic status.
- Animal welfare crisis with dairy cows and chickens left in standing water without being tended to.
- Some farms experiencing 2-4ft of flooding and they can't do anything to change it because ditches and drainage canals are flooded.
- Farm infrastructure has been damaged – everything from greenhouses, sheds, tractors, to larger infrastructure such as chicken barns, etc.
- Loss of topsoil
- Transportation issues (ie. For producers who market in the lower mainland but farm in other regions of the province).

Anticipated Impacts

- Loss of field crops, damage to perennials, potential mass mortality of livestock (cows and chickens)
- Large scale damage to infrastructure
- Hard toll on farmers mental health
- Supply chain challenges (panic buying, empty shelves)

Outreach

COABC Board of Directors

Eva-Lena Lang, ED COABC, ed@certifiedorganic.bc.ca

Niklaus Forsbauer Director COABC, BCAC. Organic farmer,

Fraser Valley Organic Producers Association

Jennifer Boyes – Administrator Phone: 778-434-3070 Email: admin@fvopa.ca

Paddy Doherty. COABC member. West Enderby Farm, Enderby BC
phone:250 838-0965

DeLisa Lewis, COABC Accreditation board - Farmer delisa.lewis@ubc.ca

Discovery Organics

Brody Irvine, birvine@discoveryorganics.ca

Vivian Chan

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Senior Industry Development Officer, Northwestern Departmental Regional Office
Agriculture and Agri-Food Canada / Government of Canada
vivian.chan2@agr.gc.ca / Tel: 236-330-6914

Heather Stretch, Saanich Organics/Northbrook Farm
<https://www.saanichorganics.com/>; email: hsandll@shaw.ca

Carmen Wakeling, Eatmore Sprouts & Greens Ltd.
www.eatmoresprouts.com; Ph. 1-250-338-4860

Chris Bodnar, farmer
Educator and consultant in the Fraser Valley. Organic farmer, Abbotsford.
glenvalleychris@gmail.com Phone:

Anita Georgy
Executive Director FarmFolk CityFolk (FFCF)
director@farmfolkcityfolk.ca Phone: 604 730 0450-ext.302

Retail

Prepared by Andrea Hoerger, Sr. Manager, Market Development, Market Development and Trade Unit, FBB

MDTU staff have reached out to Sobeys and Save on Foods but have not yet heard back. Will update as soon as info is available.

Current Impacts

Anticipated Impacts

Outreach

Sobeys | Keith Przada | Local Development Manager BC |

| Keith.Przada@sobeys.com

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Save-on-Foods | Julie Dickson Olmstead | Managing Director Public Affairs | julie_dickson@saveonfoods.com

Food Service Distribution (Commercial and Institutional)

Prepared by Kristina Bouris, A/Senior Manager Value Chain Innovation, Food System Partnerships Unit, FBB

FSP staff have reached out to Sysco, GFS, Chartwells and Dana Hospitality but were unable to connect by deadline. Will update as soon as info is available.

Current Impacts

Anticipated Impacts

Outreach

Sysco – Kelowna Ryan Thiessen | Account Executive, Healthcare and Senior Living p. (250) 766-6027 c. Thiessen.Ryan@kelowna.sysco.ca

Sysco – Kelowna Noelle Wiebe | Regional Manager - Healthcare and Senior Living p. Wiebe.noelle@kelowna.sysco.ca

Restaurants

Prepared by Andrea Hoerger, Sr. Manager, Market Development, Market Development and Trade Unit, FBB

Current Impacts

- Information provided by the BC Restaurant and Food Services Association (BCRFA) based on conversations with Gordon Food Services and Sysco
 - Lack of trucks in Vancouver will cause issues of distribution of paper goods from port across the province.
 - Beef is not currently able to be imported from Alberta. Suppliers are now offering frozen beef as opposed to fresh.
 - Sysco has hubs in Langford, Port Coquitlam and Kelowna – all locations are impacted by the flooding in some capacity.
 - Assuming the Malahat opens up, Vancouver Island should be in good shape for the next few days.
 - Some restaurants in Kamloops and Kelowna have already closed due to anticipated (or real) supply issues. Grocery stores are also running low in some locations as panic-buying is reportedly happening.

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Anticipated Impacts

Outreach

BCRFA – Samantha Scholefield | Program Manager | 604 838-7956 | samantha@sasprilla.ca

Farmers' Markets

Prepared by Andrea Hoerger, Sr. Manager, Market Development, Market Development and Trade Unit, FBB

Current Impacts

- Information provided by the BC Association of Farmers' Markets (BCAFM)
 - There are many longstanding family farms who sell at BCAFM farmers' markets year round who have been affected by the rains and flooding over the past couple of days.
 - BCAFM will be surveying members in the coming days to get a better sense of those impacts.

Anticipated Impacts

Outreach

BCAFM - Hather O'Hara | Executive Director | heather.ohara@bcfarmersmarket.org

Commodity Outreach

ANIMAL

LIVESTOCK KEY MESSAGES

Feed

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- Grain and oilseeds will not be provided to dairy – because they have forage – this will have an impact to milk production for dairy because of dietary change
- By Friday, proteins in the feed will be reduced. Maintenance rations will be provided.
- Access to the Ports is needed in order to access additional supply ASAP

Processing – Johnson's (Bonnie Windsor)

- Moving product to retail
- Demand is increasing
- Product building up – what to do with it next 1-2 days – avoid spoilage
- WCR needed for waste pick up
- Increased activity from animal rights group

Bees

Prepared by Karina Sakalauskas – Industry Specialist, Emerging Markets

Current Impacts

- Some hives flooded out in Merrit and in the Lower Mainland. Hives have been relocated by beekeepers to safe areas.
- BCHPA is reaching out to their members to find out if other beekeepers are affected.

Anticipated Impacts

- Damaged hives due to the flooding.

Outreach

BC Honey Producers Association
Jeff Lee (President)
Jeff@honeybeezen.com

BC Honey Producers Association
Heather Higo
Heather.higo@gmail.com

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Bison

Prepared by Christina Forbes – Industry Specialist, Livestock

Current Impacts

- No producers have identified issues with flooding. One producer in Merritt is in the hills and not impacted.

Anticipated Impacts

- None at this time.

Outreach

Conrad Schiebel
BC Bison Association
President
conschiebel@gmail.com
1-587-336-3537

Cattle

Prepared by Christina Forbes – Industry Specialist, Beef and Livestock;

Current Impacts

- Cattle largely not affected
- Cattle largely out on pasture
- Infrastructure around corrals, holding areas are largely affected

Anticipated Impacts

- Princeton and Merritt areas may have ranchers impacted due to flooding.
- Feed shortage concerns for grains

Outreach

BC Cattlemen's Association (BCCA)
Kevin Boon

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

bccattle@cattlemen.bc.ca

1-250-573-3611

BC Association of Cattle Feeders (BCACF)

Andrea Van Iterson

info@bcacf.ca

1-250-371-7756

BC Breeders and Feeders Association (BCBFA)

Lindy Gilson

bearvilly@telus.net

1-250-992-8483

Dairy

Prepared by Tom Droppo, Dairy/Pork Industry Specialist

Current Impacts

- Grain and oilseeds will not be provided to dairy – because they have forage – this will have an impact to milk production for dairy because of dietary change
- By Friday, proteins in the feed will be reduced. Maintenance rations will be provided.
- Access to the Ports is needed in order to access additional supply ASAP

we have a much greater crisis that attempting to relocate animals. Although this may be identified as a task for some dairies, it has been communicated that several dairy farms have had to be abandoned & animals are left standing in water. We have an animal welfare crisis here.

A communications piece from BC Dairy is going out to all dairies in the impacted area. I am waiting for BC dairy to inform us where they need help.

BC Dairy has put together a Team to communicate with producers. The situation is 'very serious'. There are many dairies that have had to abandon their farms & leaving animals in water. Calls that BC Dairy have taken from producers – majority in shock & distraught. Crying, mentally distressed.

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

BC Dairy has taken the approach that they will send out a bulk email to dairy producers & encourage them to call BC Dairy to discuss where they need help or to discuss their situation. BC Dairy finding that the few they have called are so distressed they can't talk or break down crying.

I have asked BC Dairy to let us know where AFF can assist. If BC Dairy needs help in calling or taking calls, I've said AFF is prepared to assist. BC Dairy would appreciate crisis line / mental help support #'s to pass along to dairy producers.

Given what I just heard, we have an animal welfare crisis now. Animals left in flooded barns standing in water, cannot lie down nor be fed, milked or tended to.

Other info BC Dairy shared:

1. Some farms classified as under an Evac Order are high & dry (so far).
2. Some farms classified as under an Evac Order & under water, the farmer has not left the farm yet (but may have to).
3. Some farms classified as under an Evac Order & have left. Animals standing in water – can't lie down, silage bunkers flooded, power down, disastrous.

BC dairy has asked for help finding accommodations for farmers & their families that have to leave but don't have a place to go.

Based on latest GIS generated listing, BC Dairy will be crunching some numbers to determine animal #'s impacted. We are definitely going to have a huge mortality problem (i.e., cows injured/drowned; replacements – calves in hutches that have flooded – hypothermia/drowning). Very serious.

4. With road closures/evacuations/etc, best guesstimate is that BC is cut off from at least 60% of its milk supply, which equates to 1,500,000 litres of raw milk/day.
5. Milk processing plant shortages will be realized today & throughout the week. Industrial plant shortages for sure since milk is first directed to fluid plants. Today, BCMMB will be shorting fluid plants from their normal daily volumes.

A better assessment on #'s / impacts on processing side will come later this afternoon.

Anticipated Impacts

Outreach

BC Milk Marketing Board (BCMMB)
Andrew (Woody) Siemens
Manager, Market Supply & Development

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

wsiemens@bcmilk.com

T: 604.556.3444

Goat

Prepared by Christina Forbes – Industry Specialist, Livestock

Current Impacts

- At this point in time no reports of affected producers have been received by BC Goat Association and they continue to do outreach

Anticipated Impacts

Outreach

Zoe Thorbergson
President
BC Goat Association

Agassiz Goat Dairy
Markus and Andrea Flukiger

Horse

Prepared by Kim Sutherland – Regional Agrologist, Fraser Valley East.

Current Impacts

- 600 horses have been relocated
- Veterinary access has been problematic
- Feed shortages are imminent

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Most horse operations in the flooded areas are relocated their animals to other farms, some are sheltering in place. Relocation is to areas out of the flooded areas and to the west. Currently there are about 80 horses at Chilliwack Heritage Park. Some farms, boarding stables and breeding operations have had their hay supplies destroyed and their pastures destroyed. Veterinarians can't access their premises. Soon impacted horse operations will be out of feed. The feed grain issue also impacts horse operations. Feed comes from local growers, and from growers to the east and from Washington.

Other impacts include severe economic impacts on infrastructure such as training facilities some of which has lost all their expensive footing (the sand and diversified materials used to ride horses on).

Anticipated Impacts

An already difficult feed situation is exacerbated with the loss of hay with this event and with uncertainty in accessing feed grains. This is a critical issue for this industry. Uncertainty with how the impact is experienced in Washington which is a hay supply area for the horse industry, and if there are border closures or losses in Washington as well that may impact the import of hay.

Outreach

Kelly Coughlin
HCBC
Manager Industry and Agriculture
industry@hcbc.ca
604-992-1910

Pork

Prepared by Tom Droppo, Dairy/Pork Industry Specialist

Current Impacts

-
- No metrics on mortalities

Producers unable to access barns anticipate that animals may have suffered/died. One of these farms is directly adjacent to AFF Abbotsford office. Transportation/road closure issues have stranded liners, notably in Manning Park – this liner has since been redirected to Kamloops – more information to come.

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Anticipated Impacts

Feed inventory is low, and true inventory is unknown. Transportation disruptions anticipated to exasperate this issue. Richie Smith feeds estimates that surplus feed supply in elevators may extend supply to ~2 weeks.

Outreach

Johnston's Pork, Chilliwack
Bonnie Windsor, Assistant Plant Manager

T: €

BC Pork Producers Association (BCPPA)
Jack DeWit

Poultry-Broilers

Prepared by Kim Sutherland – Regional Agrologist, Fraser Valley East

Current Impacts

- Long term supply of feed – lack of feed supply will increase mortalities
- Concerned about production losses (compensation and what private insurance will compensate)
- Indirect losses due to feed or other compounding issues, and direct loss due to mortalities
- Cleanup and disposal – on farm disposal is not possible during flooding
- Labour capacity for cleanup and disposal
- Migratory waterfowl – risk of AI outbreak – possibly invoking AI mitigation efforts (sanitation, etc.) prior to repopulation
- 61 farms in the two evac areas – 2.2 million birds
 - Some of these operations will run out of feed in the next day or two
 - Supplies for packaging eggs
 - Layers – up take 18 months to get them up and running again
 - Fixing barns will take time
 - Losses of 230K birds (cautionary estimate) within the two evac areas. This is expected to increase
- Panic buying, shortage of supplies

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- Retailers – posting signs about upcoming shortages
- Roughly 3-4 days of feed supply – the priority is maintenance and not performance
- Resumption of infrastructure – reinforcing the message that highways need to be reserved for essential services
 - Alternate route, such as through the US

Most of members of the BC Chicken Marketing Board have been impacted by flooding, and perhaps a majority are in areas under evacuation order. They are reaching out to membership to try to evaluate things more closely. As of Sunday evening, 27 farms were impacted. Relocation is not an option for most farms and many farms will experience complete loss of birds. In many cases, farmers were forced to walk away from their operations. In some cases, they left the electricity on and in other cases they did not. This is a full-scale crisis for these farms and they are facing a complete loss of their flocks.

For farms that are not evacuated and where flocks have not been lost, getting feed to the farms is an issue as they only have a few days of feed on site. Feed deliveries are impacted, trucks cannot get in. Catching crews cannot reach the farms.

Had a request from Premises ID to populate the database and are working on that.

Are very, very concerned about accessing feed with all rail and truck transport being blocked. Call for securing feed grains at the ports to be redirected to the Fraser Valley.

Most farmers are in tremendous emotional distress.

Anticipated Impacts

Anticipate that will soon run out of feed grains in the Fraser Valley with all routes to the east being blocked.

Anticipate farmers will need emotional support as well. A hot line type of support would be good.

Outreach

Christine Rickson
Executive Assistant'
Christinerickson@bcchicken.ca
(604) 859-2868

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Poultry-BC Turkey Farmers

Prepared by Kim Sutherland- Regional Agrologist, Fraser Valley East

Current Impacts

Not as many turkey farms impacted as in the other feather industries. Perhaps about 5 farms affected. This is because most of the production is in west Abbotsford. Current concern is with getting feed to the barns. All of production could run out of feed very soon. This would result in losses of many more than the 10's of thousands of birds affected.

One truck transporting turkeys from a farmer evacuating his barns is stuck in the Agassiz area. They are trying to reach the farmer to determine where the truck is and what to do about the animals in transit.

Anticipated Impacts

If feed is not secured will be a complete loss of all livestock in this sector. Very concerned about the feed situation with all rail and truck transport being halted. Suggest that feed bound for export be secured for the Fraser Valley. If feed runs out will quickly face a complete loss of all birds in this sector.

Outreach

Michel Benoit
General Manager and Marketing
BC Turkey Farmers
(604) 534-5644

Poultry Processing

Prepared by Zac DeVries – Industry Specialist, Poultry

Current Impacts

Fraser Valley Specialty Poultry as well as Las Palomas Poultry had to cancel their kills today and possibly tomorrow due to the fact that no workers can currently travel to the plant. The plants itself are fine and are not damaged by flooding. AGM Beef might run out of animals in the upcoming days as their main cattle supplier is located Merritt and all roads are currently closed to the LM due to the flooding. Again, the AGM plant itself is fine and has not been flooded out.

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Anticipated Impacts

Outreach

Eggs

Prepared by Kim Sutherland Regional Agrologist, Fraser Valley East

Current Impacts

Currently BC Egg is reaching out to their members on impacts. Most of the farms with BC Egg are in areas heavily impacted by flooding. BC Egg is reaching out to their membership to try to determine detailed impacts of flooding, however, the expectation is that there have been losses in the case of direct flooding and because families have been forced to evacuate their farms. Currently relocation of birds is not what is being discussed in my conversations with BC Egg. Their estimate is that many, if not a majority, of their membership is directly affected by flooding. Additional impacts are of road closures and transportation of feed. Most farms have only a few days feed on hand.

Securing more feed with both the rail lines and road transport unavailable is an urgent issue. The industry is very concerned about running out of feed before transportation is resumed.

Anticipated Impacts

Disposal of mass mortality is going to be an upcoming issue.

Outreach

Joes Aebig,
Manager, Operations and Logistics
BC Egg Marketing Board
Joeya@bcegg.com

Sheep

Prepared by Christina Forbes, Industry Specialist - Livestock

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Current Impacts

- Aware of one producer in the Princeton area whose situation is getting increasingly worse, but waters are expected to recede
- Primarily flood damage to fields and infrastructure which are difficult to assess at this time

Anticipated Impacts

Outreach

BC Sheep Federation (BCSF)

Barb Ydenberg

bydenberg@gmail.com

Jacques & Nan Campbell

campbellfarm@saturnacan.net

Feed

Tom Droppo, Industry Specialist - Dairy and Pork

Nadia Mori, Regional Agrologist/ Grain & Oilseed Specialist

Current Impacts

Interruption of truck travel impedes feed grain transportation

Anticipated Impacts

Concerns were raised around feed grain which is transported to dairy operations in the southern regions and may not be able to be delivered to end-recipient.

Outreach

Ritchie-Smith Feeds (a prominent feed manufacture in BC)

James Colquhoun, Director of Purchasing

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Forage

Prepared by Chris Zabek, Regional Agrologist

Current Impacts

- Perennial forage stands, particularly in Sumas Prairie, are inundated. While established stands during this season may withstand flooding for up to a week they will not tolerate prolonged flooding.
- Stored forage supplies (hay, silage) likely to be damaged/destroyed by flood water

Anticipated Impacts

- Sediment deposition, if severe enough (2+ inches) may require reestablishment of forage stands in 2022.
- Interruption of transportation corridors may prevent movement of hay from seller to buyer, especially into/out of the lower mainland
- Erosion in some fields and areas may require rehabilitation before fields can be replanted

Outreach

Serena Black, BC Forage Council
bcfc@bcforagecouncil.com
250-564-4115

Mike Witt, Witt Precision Ag
mike@wittag.ca
250-558-9577

Regional Outreach

Hwy 16 North

Regional Agrologist, John Stevenson 250 643 2445 / John.J.Stevenson@gov.bc.ca

Regional Agrologist, Karen Tabe 236 409-2009 / Karen.Tabe@gov.bc.ca

Current Impacts

Not aware of any current impacts in the Central Interior

Anticipated Impacts

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Central Interior is a livestock feed export area, potential for hay deliverers to the south to be delayed. Although supply routes from the south are impacted, transportation routes from Alberta are open.

Outreach

Cariboo-Chilcotin Coast

Nicole Pressey ' Nicole.Pressey@gov.bc.ca

Marisa Nightingale 250-267-2540 marisa.nightingale@gov.bc.ca - Nov 16, 2021

Current Impacts

Not aware of any current impacts due to flooding in the Cariboo-Chilcotin Coast Region

Anticipated Impacts

Anticipated impacts include feed and fuel shortages due to trucking limitations as transportation corridors to the lower mainland are currently severely impacted

Outreach

Jordan Grier, Cariboo Cattlemen Association Vice President

Central and South Okanagan and Boundary

Chris Zabek / Chris.Zabek@gov.bc.ca

Philip Gyug 250-378-0573 / Philip.Gyug@gov.bc.ca

Current Impacts

- Central Okanagan – power outages should be resolved by end of day. No reported current impacts due to flooding or landslides.
- Kootenay Boundary – No reported current impacts due to flooding or landslides

Anticipated Impacts

- Potential fuel/supply shortages and inability to move agricultural products to markets in the lower mainland due to transportation corridor disruptions, depending upon length of interruption

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Outreach

Kootenay

Kevin Murphy - 250 402-2624 / Kevin.J.Murphy@gov.bc.ca

Current Impacts

Other than a flood alert impacting 10 residences just east of Fernie there are no evacuation orders or alerts in either RD Central Kootenay or RD East Kootenay as a result of recent heavy rains. Power outages are being restored throughout the Central and East Kootenay though no impacts to agriculture are known.

Anticipated Impacts

Outreach

Wloka Farms
Barb Wloka
Wlokafarms@yahoo.com

Hummingbird Farm (floriculture)
Lana Braun
hummingbirdfarmbc@gmail.com

New Denver Farmer's Market Vendor
Mick Wilson
earthlypleasures@hotmail.com

Creston Valley Food Action Coalition
James Gates, President
cvfac.james@gmail.com

Kootenay & Boundary Farm Advisors
Rachael Roussin, Coordinator
coordinator@kbfa.ca

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Windermere & District Farmer's Institute
Peter Trescher, Secretary
Rick Tegart, President
brisco@winkwireless.ca
drtegart@icloud.com

Kootenay Livestock Association
Tyler Morrison, President

Creston cherry grower
Don Low
kootlow@gmail.com

Field vegetable grower (asparagus and sweet corn)
Doug Sutcliffe
sutcliffefarms@gmail.com

Organic dairy producer & processor
Wayne Harris
Kootenay Meadows
info@kootenaymeadows.com

North Okanagan

Lindsay Benbow- 778-943-7026/ Lindsay.Benbow@gov.bc.ca

Current Impacts

Power outages occurring throughout the region – most have been resolved promptly

Travel and transport of materials and supplies restricted to and from FV due to transportation corridors being compromised

No specific incidences of flooding or landslides

Anticipated Impacts

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Feed supply impacts for dairy producers in the region that rely on Feed Companies in the Fraser Valley

Transportation corridor closures also resulted and will continue to result in milk not able to make it to processing facilities in the FV - producers being told to dump milk

Outreach

Henry Bremer, President, KODA (Kamloops Okanagan Dairy Association)

H63bremer@gmail.com

250-833-8818

Laura Frank, Regional Planning Projects Manager, RDNO

Laura.frank@rdno.ca

250-550-3768

Vancouver Island North

Comox Valley, Strathcona and Mt Waddington Regional Districts, Northern Gulf Islands, Sunshine Coast Regional District, qathet Regional District,

Angela Boss – 250-331-5208 / Angela.Boss@gov.bc.ca

Current Impacts

No impacts to report

Anticipated Impacts

Some dairy producers in Comox receive feed grain from Clearbrook Mills in Abbotsford. Producers currently have up to 20 tons stored. Clearbrook trucks usually come over several days per week.

Outreach

Gary Knopp – Dairy farm. He will provide me with an update if he hears about any feed shortages in the Comox Valley area.

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

First Nations

Prepared by Lindsay Bisschop, Executive Director

Current Impacts

- All highway access to Lytton/Boston Bar are closed. They are monitoring Highway 1 between Spences Bridge and Boston Bar as there are significant issues in 4 places. Estimate is minimum of 30 days to open the road.
- Railroad gone in 7 locations up the Fraser Canyon. MOTI engaged by Chief Patrick Mitchell. Community has food storage on site for 2-3 days, potable water and new building is battery powered due to rebuild decisions by community leadership.
- Coldwater band (#2 reserve with 10 homes) is cornered in and bridges are washed out or unstable. Power is out in the community though there are a few generators in the community. Bridges in Merrit are washed out. Planning on shipping 15 calves this week and will have to keep them around a bit longer. Got 2 inches of snow though hasn't frozen rivers.

Anticipated Impacts

- Need the Highway 12 reopening and clearing of debris to get to Lillooet. If not opened by Thursday, there will be issues.
- Risk of retraumatizing Lytton evacuees as some are stranded in Chilliwack.

Outreach

Harold Aljam
First Nations Agriculture Association
250-378-6174

Chief Patrick Mitchell
Kanaka Bar First Nation
chief@kanakabarband.ca

HORTICULTURE

Berries

Prepared by Carolyn Teasdale – Industry Specialist, Berries

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Current Impacts

- Berry fields in some areas of the central and eastern Fraser Valley (Sumas Prairie, Matsqui, Pitt Meadows, Mission and Glen Valley) are flooded to a depth of 2 to 4 ft, fields in other regions of the Fraser Valley have up to 2 ft of water depending on topography.
- Blueberries, as the largest berry crop by acreage, are most impacted. The Blueberry Council is surveying its membership for impacts.
- Berry farmers in Sumas Prairie and Yarrow are under evacuation order.
- Blueberry fields are dormant at this time and can withstand 3-4 days of flooding before root damage occurs.
- Cranberry harvest is over in the Fraser Valley, so this year's crop will not be impacted.
- Pumping infrastructure is flooded, ditches and drainage canals are flooded, there is little that producers can do to drain the water from the fields.
- Some farm storage buildings have been flooded. Damage to contents may not be covered by farm insurance policies.

Anticipated Impacts

- Loss of plant vigour in established blueberry fields due to root damage if roots remain submerged beyond four days. As blueberries are a perennial crop, reduced plant vigour will result in reduced yields in years to come.
- Concern is new plantings of blueberries where baby plants are not yet rooted and will become dislodged by the water.
- Loss of sawdust and topsoil are concerns.

Outreach

BC Raspberry Industry Development Council
BC Strawberry Growers' Association
Lisa Craig, Manager
council@bcraspberries.com
info@bcstrawberries.com
604-854-8010

BC Blueberry Council
Anju Gill, Executive Director
anju@bcblueberry.com
604-864-2117
Jason Smith, Chair
berrybloo@telus.net

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

BC Cranberry Growers Association
Mike Wallis
604-309-9868
info@bccranberrygrowers.com

Cannabis/Hemp

Prepared by Rajiv Dasanjh – Industry Specialist, Emerging Markets

Current Impacts

- Have received **no reports** that a licensed, indoor cannabis producer has yet been impacted, or displaced due to flooding
 - If an indoor producer has been displaced due to evacuation order or flooding, production and maintenance operations will have ceased. Crop/revenues will be at immediate loss. Also, if an indoor producer's facilities have flooded, damages would be substantial.
 - Currently searching through industry contacts to see if any indoor producer has been displaced in major flood-zones across BC.
- Licensed outdoor producers will have harvested their crop already, and plant annually, so risk to plant-health and 2021 crop is non-existent
 - Thematic concerns regarding flooding impacts to increased production/maintenance costs for 2022, destruction of infrastructure/topography
- Large hemp producer in Lytton on Evacuation Alert. Hemp harvest has occurred in October, so this year's crop is not at threat of loss
 - Producer is worried that Nooksack River dike will fail, and would subsequently flood his fields
 - As of now, both fields and infrastructure are dry
- 2-3 hemp producers' fields in Fraser Valley area are flooded with 2-3 feet of water, minimal impact to this year's crop or plants (annuals)

Anticipated Impacts

- Thematic concern for outdoor cannabis/hemp producers is that flooding will alter/displace topsoil, and destroy infrastructure used for farming that will increase the maintenance/production costs for 2022.
- Have received no reports that indoor producers have yet been impacted, or displaced

Outreach

Kerri Lore, Director, Cannabis Cultivators of British Columbia Association
Klore@puresunfarms.com

Sarah Campbell, Director, Craft Cannabis Association of British Columbia
Sarah@craftcannabis.ca

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Dwayne Stewart, Executive Director, BC Hop Company (Large hemp Producer)

Dw@bchop.co

Field Vegetables

Prepared by Carolyn Teasdale – Industry Specialist, Berries

Current Impacts

- Access to vegetable storage facilities has been impacted
- Disruptions to shipments destined for areas outside the Lower Mainland
- Rates for trucking have skyrocketed.

Anticipated Impacts

- Orders are being cancelled due to high costs of trucking.

Outreach

Andre Solymosi, GM, BC Vegetable Marketing Commission (BCVMC)
604-542-9734

Mike Wallis, Administrator, Fraser Valley Cole Crop Growers Association

Grain/Oilseeds

Prepared by Nadia Mori, Regional Agrologist/Industry Specialist, Grains and Oilseeds

Current Impacts

Grain transportation affected due to rail interruption and transportation trucks caught on either side of the flooded areas

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Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Anticipated Impacts

Due to lower grain yields in the 2021 season, impact may not be as significant as there is less grain to be moved.

Concerns were raised around feed grain which is transported to dairy operations in the southern regions and may not be able to be delivered to end-recipient.

If situation persists, there are concerns over supply chain interruption for seeding supplies, such as fertilizer, seed, IMP tools etc.

Outreach

BC Grain Producer Association (BCGPA)

Jennifer Critcher

(250)785-5774

admin@bcgrain.com

BC Seed Growers Association

Ed Hadland - bcseedgrowers@gmail.com

Dave Wuthritch - pwfarms@xplornet.com

Robert Vanderlinden - nvlent@xplornet.com

Elevators

Kelly Klassan - Viterra - kelly.kassian@viterra.com

Don Biegel - AgroSource - don@agrosourceltd.com

Peace Region Forage Seed Association

Talon Gauthier - Manager

coordinator@peaceforageseed.ca

Greenhouse

Prepared by Susan Smith, Industry Specialist, Field and Protected Crops

Current Impacts

Anticipated Impacts

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Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Outreach

Lisa Delli Santi – BC Greenhouse Growers' Association
linda@bcgreenhouse.ca

Jos Moerman – Sunnyside Greenhouse
jos@sunnysdieproduce.ca

Hazelnut

Prepared by Karina Sakalauskas, Industry Specialist, Emerging Markets

Current Impacts

- The standing water in the fields has receded a fair bit since yesterday (Chilliwack-Agassiz area)
- All hazelnuts have been harvested.
- Some infrastructures are flooded (barns-process buildings-wooden totes)
- Some equipment flooding (harvesters-sweepers)

Anticipated Impacts

- Concerns on current new planting (fall planting), hazelnut trees are not rooted yet.
- Plant damage. Poor establishment of new trees.
- Concerns of insurance coverage
- Infrastructure and equipment damage

Outreach

Kevin Hooge, Hazelnut grower and processor. Fraser Valley Hazelnut, Chilliwack
kevin@fraservalleyhazelnuts.com Phone: 604 997-7811

Steve Hope, Fraser Valley Hazelnut, Chilliwack
Chair of BC Hazelnut Growers Association
Steve@fraserhazelnuts.com , cell: 604 217-8880

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

Tyrone McNeil Seabird Island Band –Agassiz

Tyrone.mcneil@sgewqel.ca, cell: 1

Hops

Prepared by Rajiv Dasanjh – Industry Specialist, Emerging Markets

Current Impacts

- 4-5 Hops producers in the Fraser Valley are currently under evacuation order
- All hop-yards have been previously harvested in October, so this year's crop is **not** at threat of loss
- Multiple hop-yards (2-3) are currently flooded (2-3 feet of water) in the Fraser Valley
- Some infrastructure flooding (barns, processing rooms)

Anticipated Impacts

- Infrastructure damage, top-soil loss and disposition, and plant damage is anticipated to impact the 2022 growing season
- Damaged/rotted poles, increased plant-mortality is expected for 2022, especially for plantings under 2 years of age
- Hops are not eligible for Production Insurance in the Province, and are not eligible for flood-damage coverage for plant-loss
- Increased maintenance/costs of production for 2022

Outreach

BC Hops Growers Association (BCHGA), Chilliwack

Ken Malenstyn, President

Kenm@barnsidebrewing.ca

Nursery

Prepared by Carolyn Teasdale, Industry Specialist, Berries

Current Impacts

- Unable to ship Christmas products to Eastern Canada due to road closures. Require heated trucks to ship live plants.

Compiled outreach as of x:xxpm, Tuesday, November 16, 2021

Georgina Beyers, Director, Industry Development, Ministry of Agriculture, Georgina.Beyers@gov.bc.ca

Brent Barclay, Director, Regional Development, Ministry of Agriculture, Brent.Barclay@gov.bc.ca

- Some flooding reported from nursery facilities.

Anticipated Impacts

- Significant financial losses to greenhouse operations if plant orders cannot be shipped to Eastern Canada within the next four days for Black Friday and Christmas sales.

Outreach

Outreach

BC Landscape and Nursery Association – BCLNA

Hedy Dyck, COO, HDyck@bclna.com

604-817-6468