

Fwd: Blockade Morice FSR KM 39

From: Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>
To: Conroy, Katrine FLNR:EX <Katrine.Conroy@gov.bc.ca>
Sent: November 14, 2021 12:34:04 PM PST
FYI

Rick Manwaring, RPF
Deputy Minister
Ministry of Forests, Lands, Natural Resources Operations and Rural Development
250-312-7278, Senior Executive Assistant Liz Olsson

Begin forwarded message:

From: "O'Donoghue, Eamon G FLNR:EX" <Eamon.ODonoghue@gov.bc.ca>
Date: November 14, 2021 at 10:24:18 AM PST
To: "Sieben, Mark PSSG:EX" <Mark.Sieben@gov.bc.ca>, "Manwaring, Richard G FLNR:EX" <Rick.G.Manwaring@gov.bc.ca>
Subject: Blockade Morice FSR KM 39

Mark and Rick,
I assume you are both aware. See text below from the Reg Exec Dir.
Eamon, Kristy here.
Just got off the phone with Beth Eagles. We've got an activist blockade re: CGL on our TSR / Canfor Rd. at 39km at the CGL camp. RCMP have been notified. Our C&E officer has been notified. Could escalate or could be nothing.
Have yet to let Mike know but thought you should be brought into the loop if you haven't ready been given your background on previous CGL related blockades.
I've asked Beth to call you on your cell. You should be hearing from her this morning.

Eamon O'Donoghue
Associate Deputy Minister
Regional Operations

Fwd: Provincial Flood Forecast Update - Nov 15 1700h

From: Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>
To: Conroy, Katrine FLNR:EX <Katrine.Conroy@gov.bc.ca>
Sent: November 16, 2021 6:39:33 AM PST
Attachments: Flood Forecast Update Nov 15 2021.pdf

Sending just in case you didn't receive yet.

Rick Manwaring
Deputy Minister
Forests, Lands, Natural Resource Operations and Rural Development

Begin forwarded message:

From: "Giles, Andrew FLNR:EX" <Andrew.Giles@gov.bc.ca>
Date: November 15, 2021 at 5:15:05 PM PST
To: "Andrews, Jennifer L FLNR:EX" <Jennifer.L.Andrews@gov.bc.ca>, "BCWS INFO FLNR:EX" <FIREINFO@gov.bc.ca>, "Bohay, Trevor FLNR:EX" <Trevor.Bohay@gov.bc.ca>, "Brach, Pader W EMBC:EX" <Pader.Brach@gov.bc.ca>, "Chapman, Connie FLNR:EX" <Connie.Chapman@gov.bc.ca>, "Crampton, Ray W FLNR:EX" <Ray.Crampton@gov.bc.ca>, "DeFord, Darren FLNR:EX" <Darren.DeFord@gov.bc.ca>, "Epps, Brian FLNR:EX" <Brian.Epps@gov.bc.ca>, "Fernandes, Ruth EMBC:EX" <Ruth.Fernandes@gov.bc.ca>, "Giles, Andrew FLNR:EX" <Andrew.Giles@gov.bc.ca>, "Grafton, Chantelle FLNR:EX" <Chantelle.Grafton@gov.bc.ca>, "Hahn, Mitchell FLNR:EX" <Mitchell.Hahn@gov.bc.ca>, "Johnsrude, Allan N FLNR:EX" <Allan.Johnsrude@gov.bc.ca>, "MacDougall, Gerry L FLNR:EX" <Gerry.MacDougall@gov.bc.ca>, "Maley, Madeline L EMBC:EX" <Madeline.Maley@gov.bc.ca>, "Manwaring, Richard G FLNR:EX" <Rick.G.Manwaring@gov.bc.ca>, "McLean, Robert FLNR:EX" <Robert.McLean@gov.bc.ca>, "Meier, Ian R FLNR:EX" <Ian.Meier@gov.bc.ca>, "Morgan, Scott FLNR:EX" <Scott.Morgan@gov.bc.ca>, "Muter, David FLNR:EX" <David.Muter@gov.bc.ca>, "Nicol, Jane FLNR:EX" <Jane.Nicol@gov.bc.ca>, "O'Donoghue, Eamon G FLNR:EX" <Eamon.ODonoghue@gov.bc.ca>, "Peterson, Dave EMBC:EX" <Dave.Peterson@gov.bc.ca>, "Plante, Laura FLNR:EX" <Laura.Plante@gov.bc.ca>, "Qu, Junying FLNR:EX" <Junying.Qu@gov.bc.ca>, "Rasmussen, Paul FLNR:EX" <Paul.Rasmussen@gov.bc.ca>, "Richards, Tara R EMBC:EX" <Tara.Richards@gov.bc.ca>, "Shah, Jesal FLNR:EX" <Jesal.Shah@gov.bc.ca>, "Staplin, Sean FLNR:EX" <Sean.Staplin@gov.bc.ca>, "Sung, Rudy FLNR:EX" <Rudy.Sung@gov.bc.ca>, "Sutherland, Craig FLNR:EX" <Craig.Sutherland@gov.bc.ca>, "Wanamaker, Lori PREM:EX" <Lori.Wanamaker@gov.bc.ca>, "White, Ted T FLNR:EX" <Ted.White@gov.bc.ca>, "Wood, Heather FIN:EX" <Heather.Wood@gov.bc.ca>, "Yip, Queenie FLNR:EX" <Queenie.Yip@gov.bc.ca>, "Forge, Kathryn EMBC:EX" <Kathryn.Forge@gov.bc.ca>
Subject: Provincial Flood Forecast Update - Nov 15 1700h

Dear all,
Please find attached a Provincial flood forecast 1-page dashboard summary.
If you have any questions on river forecast conditions, please feel to reach out.
Best regards,
• Andrew.

Andrew Giles, M. Env. Studies | PMP
A/ Manager, River Forecast Centre and Flood Safety

Tel: 778.974.4535

Acknowledging the ləkʷəŋən People, known today as the Esquimalt and Songhees Nations, whose traditional territory I am grateful to work, live and grow on.

More info? [River Forecast Centre](#) | [Flood Safety](#)

Provincial Flood Forecast Update

Date: November 15, 2021, 5:00 pm



Dashboard #	Provincial Lead Contact:
Nov 2021 Atmospheric River event	Manager, River Forecast Centre & Flood Safety Andrew Giles Water Management Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) andrew.giles@gov.bc.ca 250-896-2725

Provincial Forecast Summary

A significant atmospheric river has made landfall across southern coastal regions of British Columbia. Observed rainfall amounts since yesterday have been in the 100-140mm range through Howe Sound, North Shore Mountains, and Sunshine Coast; 90-160mm in the Fraser Valley – East, Fraser Canyon and areas around Hope and Harrison Lake, and 120-270mm range across South and East Vancouver Island. Many communities have experienced a typical November month's worth of rainfall in just 48 hours. As a result, several river systems have experienced flows that appear to exceed the 1:200 year levels.

Rivers have risen rapidly from rainfall since yesterday and are expected to remain high through Monday and may persist into the evening in areas. Lower reaches of rivers may reach peak levels later Monday or overnight. Low-lying areas and areas with poorer drainage will take longer to drain surface water.

Weather (Current and Forecast)

Environment and Climate Change Canada have continued rainfall warnings in effect across the region. Rainfall is expected to taper off on Monday afternoon as a cold front passes.

River Centre Forecast Flood Warnings and Advisories

Flood Warnings are in place for:

- Similkameen River
- Tulameen River and tributaries
- Coldwater River
- Coquihalla River
- Sumas River and areas around the US Border
- Chemainus River
- Englishman River
- Cowichan River
- Koksilah River

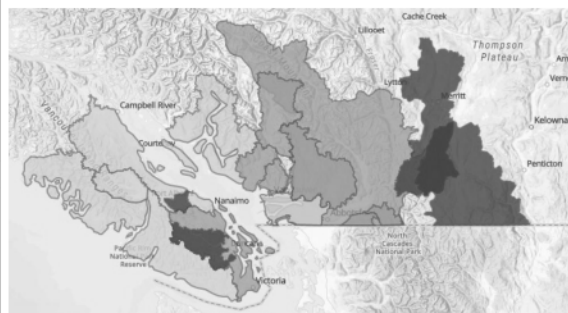
Flood Watches are in place for:

- Nicola River from Merritt to Spences Bridge
- Fraser Valley including surrounding tributaries
- Fraser Canyon tributaries, including tributaries around Hope
- Chilliwack River
- Sea-to-Sky, Howe Sound, North Shore Mountains
- South Vancouver Island (other tributaries)

High Streamflow Advisories are in place for:

- Sunshine Coast
- Metro Vancouver
- Central, West and East Vancouver Island

The [Current Flood Warnings and Advisories](#) public map must be consulted for up-to-date advisories



- Flood Warning
- Flood Watch
- High Streamflow Advisory

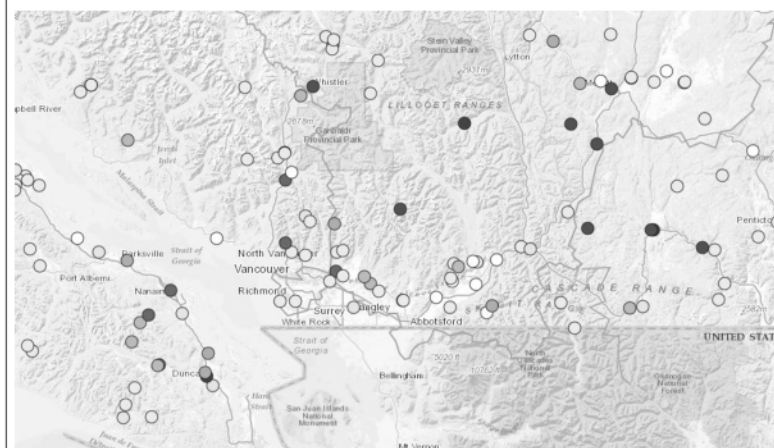
Flood Warning and Advisory Map
(1700hrs November 15th, 2021)

River Conditions and Outlook

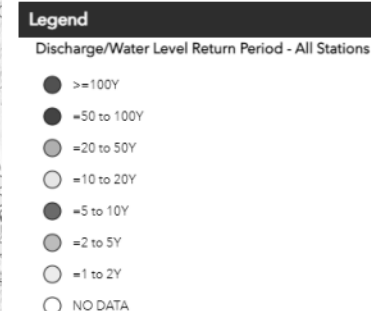
Flows from headwaters for coastal watersheds is improving. High tides on Monday mid-afternoon may contribute to backing up of flow near the river mouths on Vancouver Island.

The Nooksack River at Cedarville is currently at a record level of approximately 15 feet. The river has breached its banks and is anticipated to be spilling water into low-lying terrain around the Sumas River drainage. The Province is working closely with the City of Abbotsford and we are receiving updates from our counterparts in Washington State.

The [River Forecast Centre](#) public website is updated daily and should be consulted for up to date information.



*All model outputs are subject to uncertainty, change, and revision.



Snow Conditions

Temperatures have been mild over the weekend, with temperatures in the 5-7°C range being observed at automated snow weather stations across the region. Snowmelt was observed at mid-elevations and contributed additional runoff to rivers. With the passing of the cold front on Monday afternoon, freezing levels are expected to drop, reducing further snowmelt.

FW: UPDATE - Flood Warning

From: Conroy, Katrine FLNR:EX <Katrine.Conroy@gov.bc.ca>
To: Malo, Courtney FLNR:EX <Courtney.Malo@gov.bc.ca>
Sent: December 3, 2021 11:35:19 AM PST

From: Manwaring, Richard G FLNR:EX <Rick.G.Manwaring@gov.bc.ca>
Sent: November 15, 2021 3:09 PM
To: Conroy, Katrine FLNR:EX <Katrine.Conroy@gov.bc.ca>
Subject: Fwd: UPDATE - Flood Warning – Sumas (NEW), Coquihalla River - Flood Watch – Sea-to-Sky, North Shore, Howe Sound, Fraser Valley, Fraser Canyon, Chilliwack River - High Streamflow Advisory – South Coast - UPDATE: 2:45PM November 15, 2021

FYI in case you do t get these

Rick Manwaring
Deputy Minister

Forests, Lands, Natural Resource Operations and Rural Development

Begin forwarded message:

From: "Muter, David FLNR:EX" <David.Muter@gov.bc.ca>
Date: November 15, 2021 at 2:58:52 PM PST
To: "Manwaring, Richard G FLNR:EX" <Rick.G.Manwaring@gov.bc.ca>
Subject: Fwd: UPDATE - Flood Warning – Sumas (NEW), Coquihalla River - Flood Watch – Sea-to-Sky, North Shore, Howe Sound, Fraser Valley, Fraser Canyon, Chilliwack River - High Streamflow Advisory – South Coast - UPDATE: 2:45PM November 15, 2021

FYI.

Sent from my iPhone

Begin forwarded message:

From: "Campbell, David FLNR:EX" <David.Campbell@gov.bc.ca>
Date: November 15, 2021 at 2:41:49 PM PST
To: "Campbell, David FLNR:EX" <David.Campbell@gov.bc.ca>
Subject: UPDATE - Flood Warning – Sumas (NEW), Coquihalla River - Flood Watch – Sea-to-Sky, North Shore, Howe Sound, Fraser Valley, Fraser Canyon, Chilliwack River - High Streamflow Advisory – South Coast - UPDATE: 2:45PM November 15, 2021

**Flood Warning – Sumas (NEW), Coquihalla River
Flood Watch – Sea-to-Sky, North Shore, Howe Sound, Fraser Valley,
Fraser Canyon, Chilliwack River
High Streamflow Advisory – South Coast
UPDATE: 2:45PM November 15, 2021**

The River Forecast Centre is **upgrading** or **maintaining** a **Flood Warning** for:

- **Sumas River and areas around the US Border (UPGRADED)**
- **Coquihalla River**

The River Forecast Centre is **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**

The River Forecast Centre is **maintaining a High Streamflow Advisory** for:

- **Sunshine Coast**
- **Metro Vancouver**

A significant atmospheric river has made landfall across southern coastal regions of British Columbia. Observed rainfall amounts since yesterday have been in the 100-140mm range through Howe Sound, North Shore Mountains, and Sunshine Coast; 90-160mm in the Fraser Valley – East, Fraser Canyon and areas around Hope and Harrison Lake.

Environment and Climate Change Canada have continued rainfall warnings in effect across the region. Rainfall is expected to taper off on Monday afternoon.

Rivers have risen rapidly from rainfall since yesterday. Current conditions include:

- Chilliwack River above Slesse Creek (08MH103) have reached 440 m³/s (between a 20-year and 50-year flow). Additional increases are possible through the day on Monday
- Chilliwack River at Vedder Crossing (08MH001) reached a high of approximately 490 m³/s overnight and has dropped through Monday morning. Additional rises are anticipated on Monday afternoon
- Coquihalla River above Alexandra Creek (08MF068) is flowing at approximately 550 m³/s (between a 10-year and 20-year flow) and has leveled over the past few hours. Additional rises are possible through the day on Monday
- Stawamus River at Highway 99 (08GA076) is flowing at 85 m³/s (between a 2-year and 5-year flow) and rising at approximately 15 m³/s per hour
- The Nooksack River at Cedarville (USGS gauge NRKW1) is currently at a record level of approximately 15 feet. The river has breached its banks and is anticipated to be spilling water into low-lying terrain around the Sumas River drainage

Rivers through the region are expected to remain high through Monday and may persist into the evening in areas. Lower reaches of rivers may reach peak levels later Monday or overnight. Low-lying areas and areas with poorer drainage will take longer to drain surface water.

The public is advised to stay clear of the fast-flowing rivers and potentially unstable riverbanks during the high-streamflow period.

Details of the COFFEE and CLEVER Model forecasts can be found at:

http://bcrfc.env.gov.bc.ca/fallfloods/map_coffee.html, and

http://bcrfc.env.gov.bc.ca/freshet/map_clever.html

The River Forecast Centre continues to monitor the conditions and will provide updates as conditions warrant.

BC River Forecast Centre

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

A **High Streamflow Advisory** means that river levels are rising or expected to rise rapidly, but that no major flooding is expected. Minor flooding in low-lying areas is possible.

A **Flood Watch** means that river levels are rising and will approach or may exceed bankfull.

Flooding of areas adjacent to affected rivers may occur.

A **Flood Warning** means that river levels have exceeded bankfull or will exceed bankfull imminently, and that flooding of areas adjacent to the rivers affected will result.

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From: Rick.G.Manwaring@gov.bc.ca, Manwaring, Richard G FLNR:EX
: <Rick.G.Manwaring@gov.bc.ca>
To: Katrine Conroy <Katrine.Conroy@gov.bc.ca>, Conroy, Katrine FLNR:EX
Sent: November 15, 2021 3:08:41 PM PST

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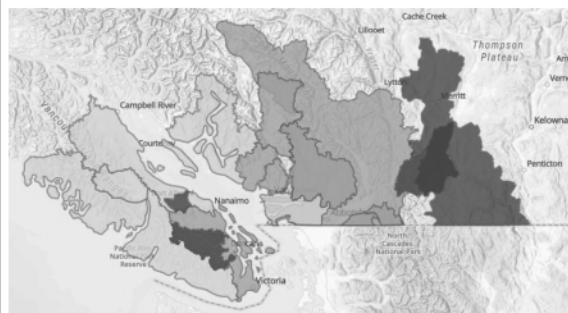
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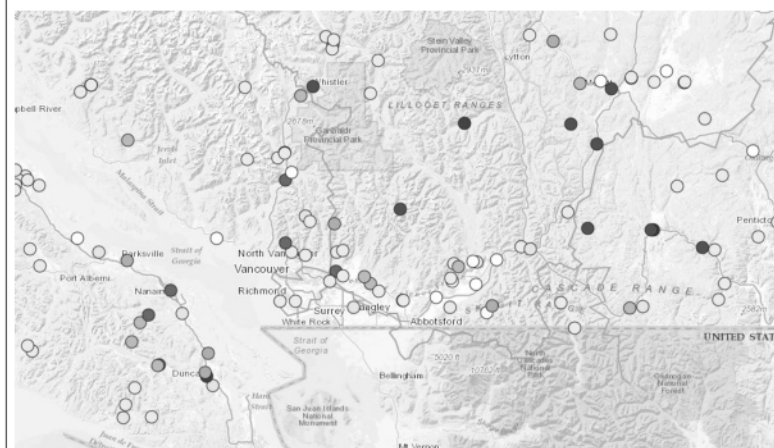
Flood Warning and Advisory Map
(1700hrs November 15th, 2021)

River Conditions and Outlook

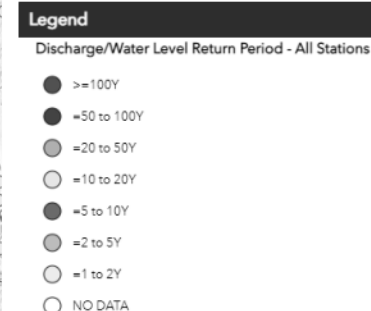
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To: Conroy, Katrine FLNR:EX <Katrine.Conroy@gov.bc.ca>
Sent: November 14, 2021 12:34:04 PM PST
FYI

Rick Manwaring, RPF
Deputy Minister
Ministry of Forests, Lands, Natural Resources Operations and Rural Development
250-312-7278, Senior Executive Assistant Liz Olsson

Begin forwarded message:

From: "O'Donoghue, Eamon G FLNR:EX" <Eamon.ODonoghue@gov.bc.ca>
Date: November 14, 2021 at 10:24:18 AM PST
To: "Sieben, Mark PSSG:EX" <Mark.Sieben@gov.bc.ca>, "Manwaring, Richard G FLNR:EX" <Rick.G.Manwaring@gov.bc.ca>
Subject: Blockade Morice FSR KM 39

Mark and Rick,
I assume you are both aware. See text below from the Reg Exec Dir.
Eamon, Kristy here.
Just got off the phone with Beth Eagles. We've got an activist blockade re: CGL on our TSR / Canfor Rd. at 39km at the CGL camp. RCMP have been notified. Our C&E officer has been notified. Could escalate or could be nothing.
Have yet to let Mike know but thought you should be brought into the loop if you haven't ready been given your background on previous CGL related blockades.
I've asked Beth to call you on your cell. You should be hearing from her this morning.

Eamon O'Donoghue
Associate Deputy Minister
Regional Operations