From:	Lavery, John [PHSA]
To:	Flatt, Alexandra [PHSA]
Subject:	Fwd: For awareness: VCH-PHC extreme heat situation report
Date:	Tuesday, June 29, 2021 7:02:00 PM
Attachments:	Situation-report-001-VCH-PHC-extreme-heat-2021-06-29.pdf image001.png

---

FYI.

John Lavery
Executive Director
Health Emergency Management BC
Mobile: s.15(1)(l)

---------- Forwarded message ----------
From: "Gregory, Breanna [PHSA]" <breanna.gregory@phsa.ca>
Date: Jun. 29, 2021 5:29 p.m.
Subject: For awareness: VCH-PHC extreme heat situation report
To: "Spence, Nicole [PHSA]" <nicole.spence@phsa.ca>,"Phillips, Mark [PHSA]" <Mark.Phillips@phsa.ca>,"Lavery, John [PHSA]" <john.lavery@phsa.ca>,"Delorme, Gerry (PHSA) [VIHA]" <Gerry.Delorme@VIHA.CA>,"Kara, Tasha [PHSA]" <tasha.kara@phsa.ca>
Cc:
Good afternoon,

Please find attached the VCH-PHC Extreme Heat Situation Report.

This report is intended to enhance situational awareness across VCH-PHC, is for internal purposes only, and not for broad circulation. Given the dynamic nature of the situation, the information is subject to change.

If you have any feedback or comments please contact us at vchphc.eoc@phsa.ca

Kind regards,

Breanna Gregory (she/her)

Coordinator, Projects + Initiatives, Lower Mainland
Health Emergency Management British Columbia (HEMBC)
#200 – 1333 W Broadway, 11th Floor, Vancouver, BC V6H 4C1
Mobile: 604-315-1229
Email: breanna.gregory@phsa.ca

After hours HEMBC LM on-call: 1-855-675-2436

HEMBC
Health Emergency Management

I acknowledge my place of work is within the ancestral, traditional and unceded territory of the Coast Salish peoples, including the territories of the sə́lilwətaʔɬ təməxʷ (Tsleil-Waututh), Skwxwú7mesh-ulh Temíx̱w (Squamish), and xʷməθkʷəy̓əm (musqueam) Nations.

Situation Report
VCH-PHC EOC: Extreme Heat

Situation Report	001

Structure EOC Extreme Heat

Purpose This Emergency Operations Centre is intended to support a coordinated response to the extreme heat experienced regionally and the associated health impacts in VCH settings.

Background Starting June 25, the criteria for calling an extreme heat alert had been met. These high temperatures over the coming days require close monitoring of clients, residents, patients, and staff.

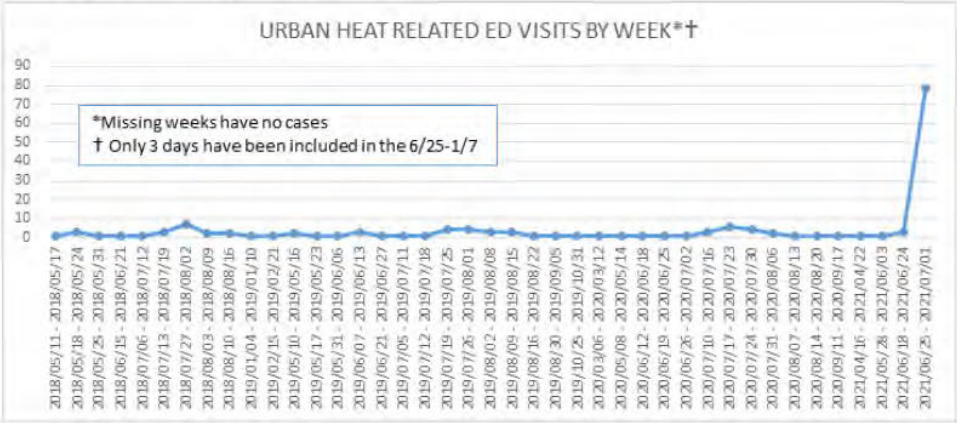
Locations: Metro Vancouver - Central, Metro Vancouver SW, Metro Vancouver - North Shore, Greater Victoria, Howe Sound, Whistler, Sunshine Coast, Southern Gulf Islands, East Vancouver Island, Inland Vancouver Island.

Report sections
1. Situation overview
2. Area status updates
3. Memorandums

Operational period	2021-06-29	**Prepared by**	HEMBC – Breanna Gregory
Next report	2021-06-30	**Contact**	VCHPHC.EOC@phsa.ca

Situation overview

There was a significant spike in ED visits on (date), including 49 urban heat-related ED visits on (date), and a total of 78 patients for the week (only counting 4 days).



Air Quality Update for June 29, 2021

	Yesterday	Today	Tomorrow
Level of concern	High	High	Medium

Summary
An air quality advisory for eastern Metro Vancouver and central Fraser Valley Regional District for ground-level ozone has been in place since June 26, 2021. Today is forecasted to have slightly lower temperatures, but they will still be well above normal. It is expected the advisory will be continued today, but no decision has been made.

POLLUTANTS OF CONCERN	Yes or No	Reason
Fine particulate matter (PM2.5)	Yes	Secondary PM.
Ground-level ozone (O3)	Yes	Hot and sunny conditions.

Details

An air quality advisory for ground-level ozone covering eastern Metro Vancouver and central Fraser Valley Regional District has been in place since Saturday, June 26. Yesterday, nine stations exceeded the 1-hr and 8-hr ambient air quality objectives for ground level ozone. Record breaking concentrations were measured, including a 1-hr average of 151.1 ppb at the Maple Ridge station. For context, the last time ground-level ozone concentrations were measured this high in the network was in 1988. Air quality has considerably improved since the 1980s but climate change now threatens the air we breathe and has the potential of erasing decades of progress made on reducing the severity of ground-level ozone episodes like this one.

For today, ECCC still has high temperatures forecast to reach the mid and upper 30s for much of the region and while these are lower temperatures than the last couple of days, it is still well above normal. Given the stagnant conditions, the buildup of emissions and hot temperatures, today is a high risk day for elevated ground-level ozone concentrations.

Overnight, there were four stations which exceeded the fine particulate matter ambient air quality objective. Yesterday saw a very slow increase in fine particulate, likely a result of secondary pm formation, but it was unclear at the time if the objectives would be exceeded. This morning, it appears that fine particulate matter concentrations are now declining at some monitoring locations. Nonetheless, we will watch the data this morning and if there is not an improvement in fine particulate matter, we may consider adding it to the advisory for today.

Looking ahead to tomorrow, high temperatures are forecasted to be in the upper 20s as marine air is able to flow into the region. In addition to bringing cooler temperatures, it should bring somewhat cleaner air. Tomorrow is put at medium risk because it may take time for the marine air to disperse the contaminants already in the airshed.

There have been new fire starts in BC, including a new Fire of Note west of Kamloops which staff will monitor. To our south, there is a fire in northern California near Mount Shasta which is producing considerable smoke and will be monitored. Smoke models do not indicate a significant impact on our airshed at this time.

Data Summary

MAXIMUM Concentrations in the last 24-hours
(Hour ending 8:00 PST at June 29, 2021)

Station ID	Station Name	1-hour PM25 Conc. (ug/m3)	24-hour PM25 Conc. (ug/m3)	1-hour O3 Conc. (ppb)	8-hour O3 Conc. (ppb)
Objective Comparison:		**none**	**25**	**82**	**62**
T030	Maple Ridge	-	-	**151.1**	**102.7**
T043	Mission	39.9	**26.6**	**148.7**	**95.9**
T020	Pitt Meadows	32.7	21.1	**132.5**	**88.3**
T033	Abbotsford - Mill Lake	34	**28.2**	**130**	**97**
T027	Langley	31.4	23.5	**114.9**	**85.5**
T045	Abbotsford Airport	33.6	23.4	**112.7**	**81.2**
T032	Coquitlam	-	-	**111.8**	**80.8**
T012	Chilliwack	31	18.5	**104.2**	**68.7**
T015	Surrey East	27.9	19.7	**100.1**	**80.8**
T009	Port Moody	30.4	21.4	81.9	60.3
T046	New Westminster	40	**31.1**	62.7	43.1
T029	Hope	23.3	17.3	58.4	42.7
T044	Agassiz	27.8	19.4	56.7	44.4
T004	Burnaby - Kensington Park	42	22.1	53.2	47
T013	North Delta	27	22.5	53	41.5
T018	Burnaby South	31	22.5	52.8	46.6
T026	N. Vancouver - Mahon Park	38.4	20.7	52.8	43.4
T050	Vancouver Clark Drive	25	20.5	37.6	31.5
T017	Richmond South	24.9	20.9	35.6	29.2
T039	Tsawwassen	22.5	15.5	31.2	26.8
T001	Vancouver - Downtown	-	-	29.5	25.1
T031	Richmond - Airport	23.9	19.3	28.9	25.8
T006	N. Vancouver - 2nd Narrows	36.1	**28.3**	15.3	11.6
T035	Horseshoe Bay	23.8	-	-	-

SUMMARY OF PAST ADVISORIES
June 26, 2021: Ground-level ozone advisory June 27, 2021: Ground-level ozone advisory June 28, 2021: Ground-level ozone advisory

CONTACT		
Air Quality Advisory Staff can be reached by phone or email if you have any questions or concerns about air quality.	Phone:	604-306-6391
	Email:	AQAdvisory@metrovancouver.org

BACKGROUND

Ground-level ozone (O3) is not emitted directly into the air. It is formed when nitrogen oxides (pollutants emitted when fuels are burned) and volatile organic compounds (emitted from solvents and other sources) react in the air in the presence of sunlight. The highest levels of ground-level ozone are generally observed between mid-afternoon and early evening on summer days. Elevated levels of ground-level ozone are typically experienced in eastern parts of Metro Vancouver and the Fraser Valley Regional District.

Fine particulate matter (PM2.5) refers to airborne solid or liquid droplets with a diameter of 2.5 micrometres (µm) or less. PM2.5 can easily penetrate indoors because of its small size. PM2.5 concentrations tend to be highest around busy roads, industrial operations, major ports as well as areas where residential wood burning activity occurs.

Air Quality Objectives
Metro Vancouver has a 1-hour O3 objective of 82 ppb and a 8-hour O3 objective of 62 ppb. The 8-hour O3 objective is intended to be compared to the 4th highest daily maximum 8-hour average concentration, averages over three consecutive years.

Metro Vancouver has a 24-hour PM2.5 objectives of 25 ug/m3 which is intended to be compared to the 24-hour rolling average concentration. There is no 1-hour PM2.5 objectives.

For more information on objectives: http://www.metrovancouver.org/services/air-quality/AirQualityPublications/CurrentAmbientAirQualityObjectives.pdf

Memorandums

Memorandum

Date: June 29, 2021
To: All Vancouver Acute Staff
From: Michelle de Moor, Interim Vice President, Vancouver Acute Services
Dr. Vinay Dhingra, Senior Medical Director, Vancouver Acute Services
Dr. Ladan Sadrehashemi, Senior Medical Director, Vancouver Acute Services
Re: VA initiates Surge Level 3 due to extreme heat

As Vancouver continues to experience a period of extreme heat, there has been a significant increase in the number of patients with heat-related conditions seeking care at the Vancouver General Hospital (VGH) Emergency Department (ED) and UBC Hospital (UBCH) Urgent Care Centre (UCC), and requiring admission.

To ensure that we have the available capacity to care for all patients who require our specialized services, we are implementing our Level 3 Surge response, which includes activating an Emergency Operations Centre (EOC), opening all unfunded beds, adding additional capacity to support low acuity heat-related presentations to the ED and UCC, and temporarily reducing our surgical slates.

Mask use during the extreme heat
With respect to the removal of masks within health-care settings, for the duration of the Extreme Heat Alert, we temporarily recommend allowing patients, clients or visitors to remove masks if they feel it is causing difficulty breathing due to the heat.

If staff or medical staff feel as though they cannot breathe due to the heat, they should perform a PCRA (point-of care risk assessment) to determine the safest course of action for themselves as well as their patients or clients. This may include removing their medical mask if it is safe to do so, stepping away from the point of care (if safe to do so) and then removing their medical mask, cooling down, rehydrating or other strategies as supported by their supervisor or manager.

Thank you!
We know that the addition of this extreme heat on top of the last 15 months of the pandemic has had a cumulative impact. Despite both of these challenges, you continue to go above and beyond for our patients and we are immensely grateful. Please also remember to take care of yourselves: monitor your own health closely, drink fluids, and reach out to each other and your local leadership when needed.

The EOC will continue to closely monitor the situation and make further adjustments as necessary. We will keep you up to date as the situation progresses.

If you have any questions, please speak with your manager or supervisor.

From:	Lavery, John [PHSA]
To:	Flatt, Alexandra [PHSA]
Subject:	Fwd: Situation Report 001 + Follow up documents: LTC EOC: Extreme heat - 2021-06-29
Date:	Tuesday, June 29, 2021 7:03:14 PM
Attachments:	image001.png image002.png Situation-report-001-FH-LTC-EOC-extreme-heat.pdf Action-plan-FH-LTC-extreme-heat-2021-06-29.xlsm Cooling-requests-heat-response-2021-06-29.xlsx staffing-snapshot.png

---

FYI - FH situation report.

John Lavery
Executive Director
Health Emergency Management BC
Mobile: s.15(1)(l)

---------- Forwarded message ----------
From: "Phillips, Mark [VCH]" <Mark.Phillips@vch.ca>
Date: Jun. 29, 2021 6:19 p.m.
Subject: Fwd: Situation Report 001 + Follow up documents: LTC EOC: Extreme heat - 2021-06-29
To: "Lavery, John [PHSA]" <john.lavery@phsa.ca>
Cc:
FYI. FH sitrep attached.

Mark Phillips
604-816-2284

---------- Forwarded message ----------
From: FH EOC <FH.EOC@phsa.ca>
Date: Jun. 29, 2021 5:59 p.m.
Subject: Situation Report 001 + Follow up documents: LTC EOC: Extreme heat - 2021-06-29
To: FH EOC <FH.EOC@phsa.ca>,"Scott, Michael" <michael.scott3@phsa.ca>,"Mitchell, Angela [FH]" <angela.mitchell@fraserhealth.ca>,"Chatha, Dee [FH]" <Dee.Chatha@fraserhealth.ca>,"Orr, Alison [FH]" <alison.orr@fraserhealth.ca>,"Brown, Susan P. [FH]" <Susan.Brown@fraserhealth.ca>,"Thompson, David [FH]" <david.thompson@fraserhealth.ca>,"Bharmal, Aamir [FH]" <aamir.bharmal@fraserhealth.ca>,"Kerwin, Oona [FH]" <Oona.Kerwin@fraserhealth.ca>,"Henderson, Shannon [FH]" <Shannon.Henderson@fraserhealth.ca>,"Weimer, Mitch [FH]" <Mitch.Weimer@fraserhealth.ca>,"Liggett, Brenda [FH]" <Brenda.Liggett@fraserhealth.ca>,"Phillips, Mark [VCH]" <Mark.Phillips@vch.ca>,"Cathcart, Jillian [PHSA]" <Jillian.Cathcart@phsa.ca>,"Mclachlan, Shannon [PHSA]" <shannon.mclachlan@phsa.ca>,"Mithani, Akber [FH]" <akber.mithani@fraserhealth.ca>,"Bergen, Jeff [FH]" <jeff.bergen@fraserhealth.ca>,"Fox, Suzanne [FH]" <suzanne.fox@fraserhealth.ca>,"Tyler, Ingrid [FH]" <ingrid.tyler@fraserhealth.ca>,"Choy, Sarika [FH]" <Sarika.Choy@fraserhealth.ca>,"Clark, Donna [FH]" <Donna.Clark@fraserhealth.ca>,"Grewal, Tajinder (George) [FH]" <tajinder.grewal@fraserhealth.ca>,"Gill (Harry), Harjit [FH]" <Harjit.Gill1@fraserhealth.ca>,"Schenkers, Michael EHS:EX"

<Michael.Schenkers@bcehs.ca>,"Gray, Darren [PHSA]"
<Darren.Gray@hssbc.ca>,"Chouinor, Kathleen [FH]"
<kathleen.chouinor@fraserhealth.ca>,"Doherty, Becky [FH]"
<Becky.Doherty@fraserhealth.ca>,"McDowell, Meryl [FH]"
<Meryl.Mcdowell@fraserhealth.ca>,"Dueckman, Ruth [FH]"
<Ruth.Dueckman@fraserhealth.ca>,"Beach, Cheryl [FH]"
<cheryl.beach@fraserhealth.ca>,"Wright, Martin [FH]"
<Martin.Wright@fraserhealth.ca>,"Spence, Nicole [PHSA]"
<nicole.spence@phsa.ca>,"ZitoLarose, Alesi [FH]"
<alesi.zitolarose@fraserhealth.ca>,"ZitoLarose, Alesi [PHSA]"
<alesi.zitolarose@phsa.ca>,"Dillon, Richard [FH]" <Rich.Dillon@fraserhealth.ca>
Cc:
Good evening,

Please find attached the **FH LTC EOC Extreme Heat Situation Report** with the accompanying documents:

- Action plan
- Cooling request spreadsheet
- Staffing snapshot

This report is intended to enhance situational awareness across FH, is for internal purposes only, and not for broad circulation. Given the dynamic nature of the situation, the information is subject to change.

If you have any feedback or comments please contact us at fh.eoc@phsac.ca

Kind regards,

Tasha-Aliya Kara

Coordinator, Planning + Initiatives, Lower Mainland
Health Emergency Management British Columbia (HEMBC)
#200 – 1333 W Broadway, 11th Floor, Vancouver, BC V6H 4C1
Mobile: 604-230-0433
Email: tasha.kara@phsa.ca

After hours HEMBC LM On-Call 1-855-675-2436

HEMBC Health Emergency Management

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Situation Report	001

Structure Fraser Health LTC EOC: Extreme Heat

Purpose This virtual Emergency Operations Centre is intended to support a coordinated response to the extreme heat experienced regionally and the associated health impacts in long-term care settings.

Background Starting June 25, 2021 the criteria for calling an extreme heat alert had been met. These high temperatures over the coming days require close monitoring of clients, residents, patients, and staff.

Operational period	06/29/2021	**Prepared by**	HEMBC
Next report	06/30/2021	**Contact**	fh.eoc@phsa.ca

Situation summary and priorities

Situation summary

Deceased due to heat (as reported by the managers/directors):

Area		Deaths
Home Health & Home Support	Burnaby	s.22(1) [redacted]
	New Westminster	
	Tri cities	
	Newton	
	Gateway	
	Langley	
	Chilliwack	
MHSU	-	
Total		

08:00 s.13(1), s.17(1) [redacted]

11:30-12:30 [redacted]

Key achievements

- Successful town hall held for LTC as well as MHSU
- Ongoing communications to staff
- Despite unprecedented high in ambulance volumes and admissions, the volumes are not associated with LTC facilities indicating the sites are able to stay cool
- Despite shortage of cooling units across the region, priority sites continue to receive AC units as well as industrial fans

Key Priorities

- Delivering cooling units to sites
- Communicating *temporary* PPE measures
- Reprioritization of sites

Supporting information and attachments

- Action log
- Cooling requests heat response tracker
- Staffing snapshot

Use unique identifiers to avoid confusion with other action plans

Ensure each action is clear and specific, so that anyone can understand

Write out full name(s)

This button sorts the sheet in order of Open, In Progress Closed --> make sure to only use "Open", "In Progress", "Ongoing" or "Closed"

Sort

#	Relates to	Action	Priorit	Assigned to	Date assigi	Due date	Status	Comments
A-001	Public Health	Create a line list	High	Dr Andrew Hurlburt	16-Nov-20	18-Nov-20	Open	
A-002	Supply	Place order for masks according to new masking guidelines	Medium	Angie Martinez	27-Oct-20	31-Oct-20	In progress	2020-10-30 Backordered; still have enough stock on hand for 2 months supply
A-003	IPAC	Create a whiteboard with key messages for each day and place by front door	Low	Dr Titus Wong	3-Nov-20	15-Nov-20	Closed	2020-11-14 Whiteboard ready for display

List the stream (s) the task relates to; this is very helpful for after action reviews

Assign priorities High, Medium, or Low

Input dates by "8 Nov 20" and it will auto format; old dates will automatically turn red

Add comments/updates with a time stamp; you can enter multiple lines by using "Alt-Enter"

From: Galt, Jamie HLTH:EX
To: Phillips, Mark [VCH]; Kuhn, Ryan [IHA]; Delorme, Gerry [PHSA]; Lawson, Danika [VIHA]; Charters, Mary [NHA]; Hutton, David [PHSA]; Lavery, John [PHSA]; Hinde, Grace [PHSA]
Cc: hlth Emergency Preparedness Staff
Subject: FW: heat wave - EMBC reimbursement
Date: Tuesday, June 29, 2021 9:53:07 PM

EXTERNAL SENDER. If you suspect this message is malicious, please forward to spam@phsa.ca and **do not** open attachments or click on links.

Hi All,

Sharing the below email for background and context as to what EMBC is funding with reference to heat wave reimbursements. EMBC SW region distributed the below to their municipalities and first nations today. Please let me know if you have any questions or are continuing to hear concerns from communities within your regions.

Best

Jamie

Jamie Galt, CD, MA
A/Director
Emergency Management Unit
COVID Response & Health Emergency Management
Ministry of Health
Office: (778) 698-5823
Cell: s.15(1)(l)
PO Box 9639 Stn Prov Govt, Victoria BC V8W 9P1

If this is an emergency impacting the provincial health system, please contact our 24/7 Duty Officer at s.15(1)(l) **or hlth.dutyofficer@gov.bc.ca**

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I respectfully acknowledge the unceded territories of the Songhees, Esquimalt and WSÁNEC peoples'.

On Jun 29, 2021, at 5:52 PM, Brach, Pader W EMBC:EX <Pader.Brach@gov.bc.ca> wrote:

Hi Jamie,

This is the email that regions have sent out today.

Pader

Subject of EMBC Severe Weather Event – Heat Wave Support

XX Emergency Management Partners

To assist Indigenous Communities and Local Governments is responding to the current Heat Wave the following is an overview of what supports are available through the Emergency Program Act:

- Reimbursements are limited to incremental costs, examples include:
    - Staff wages/overtime to open a civic facility that would otherwise not be open.
    - Workers Compensation coverage for ESS volunteers to support.
    - Water for use/distribution within the facility.
    - Transportation to and from cooling centers in communities where no scheduled public or reasonable transportation exists.
        - Requires Expense Authorization Form (EAF) approval from PREOC
- For communities that do not have suitable facilities, please contact EMBC to review and discussion options.
    - Community requested by Health Authority to provide assistance to respond to impacts to current heat wave, those activities may be considered for reimbursement.
        - Would be considered through Expense Authorization Form (EAF) to the EMBC Regional Duty Manager or PREOC.
    - Incremental costs to support fire service responding to increased heat related calls.
        - Would be considered through Expense Authorization Form (EAF) to the EMBC Regional Duty Manager or PREOC.
- "For Indigenous communities in BC, EMBC is working in close coordination with the First Nations Health Authority and Indigenous Services Canada to provide wrap-around supports to address public safety concerns. Please contact the EMBC Regions or PREOC if there are heat-related emergency needs or gaps in your community."

If you have any questions don't hesitate to contact the SW PREOC at, 778-572-3962 or you can send your EAF forms to; preoc2.ops1@gov.bc.ca . After hours support is available by contacting the EMBC Emergency Coordination Centre at 1-800-663-3456.

From:	HEMBC, North
To:	HEMBC, North; Weger, Annette [NHA]; Biddlecombe, Moira [NH]; De Smit, Angela [NHA]; Fraser, Sherry [NHA]; Ulrich, Cathy [NHA]; Chipman, Desa [NHA]; Collins, Eryn [NHA]; Quinn, Jessica [NHA]; Raper, Steve [NHA]; Cozac, Joanne [NHA]; Fugere, Corinna [NHA]; Quibell, Doug [NHA]; Zirul, Chelan [NHA]; Corneil, Trevor [NHA]; Kling, Rakel [NHA]; Tillotson, Sherri [NHA]; Fumerton, Raina [NHA]; Kim, Jong [NHA]; Kiss, Kendra [NHA]; Steward, Erin [NHA]; Maracle, Melanie [NHA]; Barlow, Keltie [NHA]; Shawara, Judy (Judith) [NHA]; Petsul, Daryl [NHA]; Clemas, Lia [NHA]; Anguish, Penny [NHA]; Johnston, Sandra (Sandie) [NHA]; Nordli, Kim [NHA]; Oliver, Jordan [NHA]; Patient Transfer
Cc:	Romanas, Amy [PHSA]; Lavery, John [PHSA]
Subject:	RE: Update #4- NE HSDA and NI HSDA - HWY 97 North closures due to fire - Evacuation Alert issued
Date:	Wednesday, June 30, 2021 1:58:01 AM
Attachments:	image001.png

Please see the attached Evacuation Alert issued at 2100 hours by the Peace River Regional District for areas in the G80997 Buckinghorse/Sikanni Chief area, between Mile 202 and South to Buckinghorse River.

https://prrd.bc.ca/wp-content/uploads/post/evacuation-alert-1-north-peace-fires/Evacuation-ALERT-2019-06-29-@-2100.Signed.pdf

Any further updates will be sent out as required.

Thank you

Jana

The **Prince George Fire Centre** called a coordination call at 1800-1900 hours this evening with the following to report and discuss:

- Expectations next few days: Forecast next 3 days: ground is dry, dry air, entering into a ridge breakdown and moving into Alberta, upper trough with area of instability, with cooler air. **Wednesday**: **SEVERE WEATHER, strong winds 15-25 km an hour, possibly 45km-75 km hour by late evening , lightning and thunderstorms in PG as well as north of Peace River to Yukon, NWT. Expecting rapid fire growth with this. Thursday and Friday – cooler, with northerly winds.**
- Fire response – all crews have been pulled due to fire behavior and heat stress concerns for fire fighters, unable to draw resources from around the province as other regions are challenged at this time as well. Focus is on detection, gathering information and tracking.

G80997: Pink Mountain area – all fires have merged into one fire. Extreme fire behavior. Growth is happening quickly and more expected tomorrow. The fire jumped the highway 97 – 5000 hectares if not bigger. Highway closure of 97 – looking at opening road in the evenings for brief periods to let essential traffic through. Working with RCMP and pilot cars – expect delays. Daytime travel likely will not happen.

No evacuation alerts at this time have been issued but pending at this time.

Health Care impacts. BCEHS – Fort Nelson Airport is open for medevacs however highway travel is affected.

Smaller communities (Prophet River, Halfway River, Blueberry First Nation) in the area are being asked to consider planning for EVACUATION. EMBC asking receiving communities to prepare for relocating residents.

These two fires have now merged into the larger G80997:

- G9120 – Fort Nelson south of Trutch – 100 hectares in size at Hwy 97 Rank 5 – impact Hwy 97 north soon.
- G90975– 3000 hectares Rank 5 and 6 – recommendation to put out an Evac Alert in the Pink Mountain area – Highway 97 is currently closed with traffic control by RCMP at Buckinghorse to Sikanni Chief in the Pink Mountain area.

Many thanks and any further developments and updates will be forwarded to you as they come in. There will be a coordination call tomorrow TBD.

Jana Hargreaves
Coordinator
Northern Health Emergency Management
308 – 1488 4th Avenue, Prince George, BC. V2L 4Y2
Cel s.15(1)(l)
email: jana.hargreaves@northernhealth.ca
Northern Health Emergency Management On- Call: 1-855-554-3622

HEMBC Health Emergency Management

northern health
the northern way of caring

I am honoured and privileged to live, work and play on the traditional territory of the Lheidli T'enneh

---

From: HEMBC, North
Sent: Tuesday, June 29, 2021 4:29 PM
To: HEMBC, North <HEMBC@northernhealth.ca>; Weger, Annette <Annette.Weger@northernhealth.ca>; Biddlecombe, Moira

<Moira.Biddlecombe@northernhealth.ca>; De Smit, Angela <Angela.DeSmit@northernhealth.ca>; Fraser, Sherry <Sherry.Fraser@northernhealth.ca>; Ulrich, Cathy <Cathy.Ulrich@northernhealth.ca>; Chipman, Desa <Desa.Chipman@northernhealth.ca>; Collins, Eryn <Eryn.Collins@northernhealth.ca>; Quinn, Jessica <Jessica.Quinn@northernhealth.ca>; Raper, Steve <Steve.Raper@northernhealth.ca>; Cozac, Joanne <Joanne.Cozac@northernhealth.ca>; Fugere, Corinna <Corinna.Fugere@northernhealth.ca>; Quibell, Doug <Doug.Quibell@northernhealth.ca>; Zirul, Chelan <Chelan.Zirul@northernhealth.ca>; Corneil, Trevor <Trevor.Corneil@northernhealth.ca>; Kling, Rakel <Rakel.Kling@northernhealth.ca>; Tillotson, Sherri <Sherri.Tillotson@northernhealth.ca>; Fumerton, Raina <Raina.Fumerton@northernhealth.ca>; Kim, Jong <Jong.Kim@northernhealth.ca>; Kiss, Kendra <Kendra.Kiss@northernhealth.ca>; Steward, Erin <Erin.Steward@northernhealth.ca>; Maracle, Melanie <Melanie.Maracle@northernhealth.ca>; Barlow, Keltie <Keltie.Barlow@northernhealth.ca>; Shawara, Judy (Judith) <Judy.Shawara@northernhealth.ca>; Petsul, Daryl <Daryl.Petsul@northernhealth.ca>; Clemas, Lia <Lia.Clemas@northernhealth.ca>; Anguish, Penny <Penny.Anguish@northernhealth.ca>; Johnston, Sandra (Sandie) <Sandra.Johnston@northernhealth.ca>; Nordli, Kim <Kim.Nordli@northernhealth.ca>; Oliver, Jordan <Jordan.Oliver@northernhealth.ca>; Patient Transfer <PatientTransfer@northernhealth.ca>
Cc: Romanas, Amy <amy.romanas@phsa.ca>; Lavery, John <John.Lavery@phsa.ca>
Subject: Update #2- Situational Update for NE HSDA and NI HSDA - HWY 97 North closures due to fire

Please see update from Drive BC – will be revisited tomorrow morning at 0900 hours via Drive BC update.

Highway 97 Both Directions

Highway 97, in both directions. Forest fire between Sikanni Chief Rd and Prophet River Sub Rd for 59.3 km (112 km north of Wonowon to 114 km south of Fort Nelson). Road closed. Next update time Wed Jun 30 at 9:00 AM MST. Last updated Tue Jun 29 at 4:13 PM MST. (DBC-31007)

Urgent concerns: Tuesday, June 29 – Fire and Flood information

- **Weather Update with Environment and Climate Change Canada**
  - High pressure system today, extreme heat to continue today and tomorrow with some cooling Thursday and Friday. Showers and Risk of thunderstorms on Wednesday and Thursday in the North East. With this heat – lag time of 3 or 4 days for effect of the heat on individuals as well as environment.

-

River Forecast Centre

Flood Warning – Upper Fraser River (UPGRADED)

The River Forecast Centre is **upgrading** to a **Flood Warning** for the **Upper Fraser River** including:

- **Upper Fraser River including the Robson Valley and areas from Sinclair Mills upstream to Torpy, Dome Creek, Dore River, McBride and surrounding tributaries**

High Streamflow Advisory – Quesnel River

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

- **Quesnel River and its tributaries**

- **Prince George Fire Centre update**
  - Lightning overnight – received a number of fires from those event – significant fire behavior, as many resources on as possible –
  - **2 fires of note**
    - **G9120 – Fort Nelson south of Trutch – 100 hectares in size at Hwy 97 Rank 5 – impact Hwy 97 north soon.**
    - **G90975– 3000 hectares Rank 5 and 6 – recommendation to put out an Evac Alert in the Pink Mountain area – Highway 97 is currently closed with traffic control by RCMP at Buckinghourse to Sikinanni Chief in the Pink Mountain area**. .

- **Health Emergency Management BC. / Northern Health**
  - Working with facilities on cooling efforts in facilities and in community. Monitoring situation of floods and fires.
- **Fraser Fort George Regional district**
  - **–** one family evacuated from flooding and sandbag stations setup in 3 different locations.

Any further Provincial Regional EOC coordination call information will be summarized and forwarded to you as required. Currently there are no other calls scheduled at this time.

Many thanks

Jana Hargreaves
Coordinator

Northern Health Emergency Management
308 – 1488 4th Avenue, Prince George, BC. V2L 4Y2
Cel s.15(1)(l)
email: jana.hargreaves@northernhealth.ca
Northern Health Emergency Management On- Call: 1-855-554-3622

I am honoured and privileged to live, work and play on the traditional territory of the Lheidli T'enneh

From:	Phillips, Mark [VCH]
To:	Lavery, John [PHSA]; Delorme, Gerry (PHSA) [VIHA]
Subject:	Fwd: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave
Date:	Wednesday, June 30, 2021 10:12:35 AM
Attachments:	image001.png image002.png

Fyi.

Mark Phillips
604-816-2284

---------- Forwarded message ----------
From: "Henderson, Sarah [BCCDC]" <Sarah.Henderson@bccdc.ca>
Date: Jun. 30, 2021 9:58 a.m.
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave
To: "Swinkels, Helena [FNHA]" <Helena.Swinkels@fnha.ca>,"Schwandt, Michael [VCH]" <michael.schwandt@vch.ca>,"Goodison, Karin [IHA]" <Karin.Goodison@interiorhealth.ca>,"Waters, Shannon [VIHA]" <shannon.waters@viha.ca>,'"Castellan,Armel (ECCC)'" <Armel.Castellan@ec.gc.ca>,_Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>,"Enns, Charmaine [VIHA]" <Charmaine.Enns@viha.ca>,'Cheryl Bloxham' <Cheryll.Bloxham@viha.ca>,"Diplock, Cole [VIHA]" <Cole.Diplock@viha.ca>,"Nowakowski, Craig [VIHA]" <Craig.Nowakowski@viha.ca>,'"Abassi, Dominic'" <Dominic.Abassi@VIHA.CA>,"Luttrell, Gethsemane [VIHA]" <Gethsemane.Luttrell@viha.ca>,'"Drexhage, Glenn'" <Glenn.Drexhage@VIHA.CA>,"Hasselback, Paul [VIHA]" <Paul.Hasselback@viha.ca>,"hc.heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>,"Yehia, Jade [VIHA]" <Jade.Yehia@viha.ca>,'"Parisi, Jennifer J'" <Jennifer.Parisi@VIHA.CA>,"Fyfe, Murray W. (Dr) [VIHA]" <Murray.Fyfe@viha.ca>,'"McKay, Valerie'" <Valerie.Mckay@VIHA.CA>,"Golmohammadi, Dr. Kamran [IHA]" <Kamran.Golmohammadi@interiorhealth.ca>,"Mema, Dr. Silvina [IHA]" <Silvina.Mema@interiorhealth.ca>,"Pollock, Dr. Sue [IHA]" <Sue.Pollock@interiorhealth.ca>,'EPH On Duty' <EPHonduty@interiorhealth.ca>,"PHESU [IHA]" <PHESU@interiorhealth.ca>,"Baytalan, Greg [IHA]" <Greg.Baytalan@interiorhealth.ca>,"hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>,'HBE' <HBE@interiorhealth.ca>,"Deegan, Heather [IHA]" <Heather.Deegan@interiorhealth.ca>,"Speer, Jennifer [IHA]" <Jennifer.Speer@interiorhealth.ca>,"Hadley, Pam [IHA]" <Pam.Hadley@interiorhealth.ca>,"El Kurdi, Sylvia [IHA]" <Sylvia.ElKurdi@interiorhealth.ca>,"Kurc, Andrew [NHA]" <Andrew.Kurc@northernhealth.ca>,"Quibell, Doug [NHA]" <Doug.Quibell@northernhealth.ca>,"Gray, Andrew [NHA]" <Andrew.Gray@northernhealth.ca>,"Kim, Jong [NHA]" <Jong.Kim@northernhealth.ca>,"Fumerton, Raina [NHA]" <Raina.Fumerton@northernhealth.ca>,"Kling, Rakel [NHA]" <Rakel.Kling@northernhealth.ca>,"hc.heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>,"Harder, Kari [NHA]" <Kari.Harder@northernhealth.ca>,'Northern Health Emergency Management' <HEMBC@northernhealth.ca>
Cc: '"EC.F MSA-Pacifique / WPM-Pacific F.EC'" <ec.msa-pacifique-wpm-pacific.ec@canada.ca>,"ec.cpipsuperviseur-pspcsupervisor.ec [EXT]" <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>,'"MacDonald,Melissa (ECCC)'" <Melissa.MacDonald@ec.gc.ca>,"Crabtree, Alexis [VCH]" <Alexis.Crabtree@vch.ca>

Hi all –

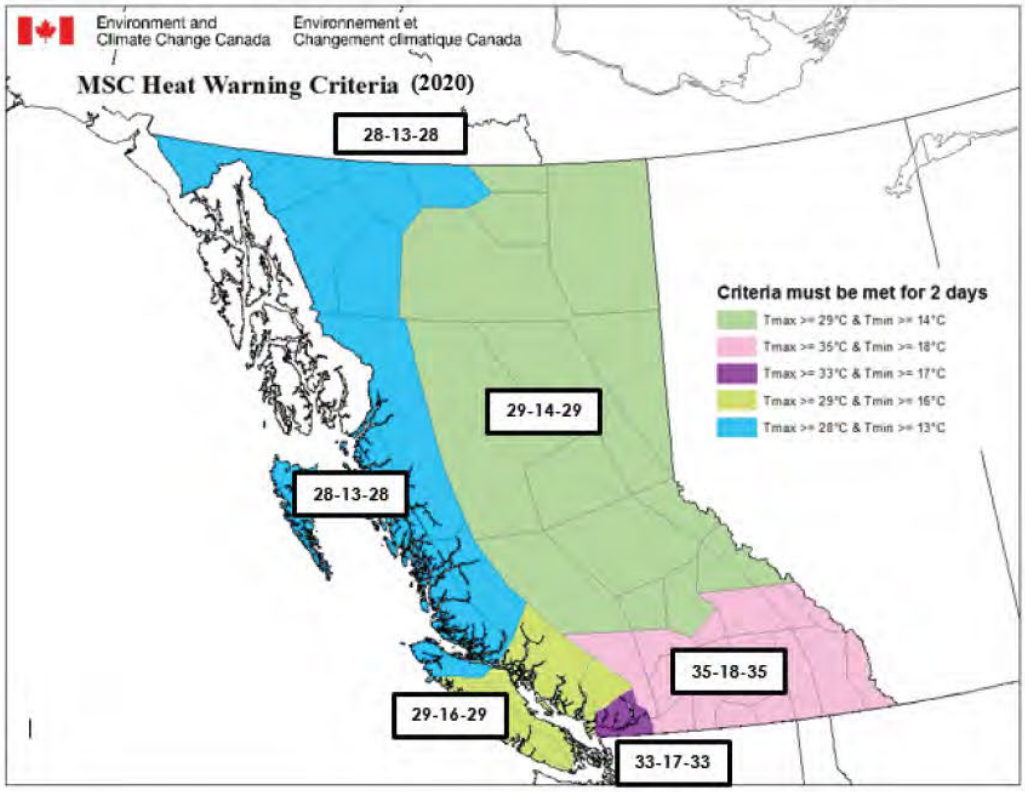
It seems like there is good support for option #2. As a reminder, the map with the ECCC thresholds for BC is included below.

I would propose that the heat alert be ended when the forecast low is expected to be 1 degree lower than the regional threshold **AND** is expected to hold steady or continue to trend downward.

Does this seem reasonable?

Cheers,

Sarah



Sarah B. Henderson, PhD

Scientific Director | Environmental Health Services | BCCDC
Associate Professor (Partner) | School of Population and Public Health | UBC
Office: 604.707.2449
Cell: s.15(1)(l)

#DifferentTogether
#InPlainSight

I often work outside of normal business hours because it suits me. There is no expectation that you will respond outside of your working hours.

From: Dr.Helena Swinkels [mailto:Helena.Swinkels@fnha.ca]
Sent: Wednesday, June 30, 2021 9:52 AM
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

EXTERNAL SENDER. If you suspect this message is malicious, please forward to spam@phsa.ca and **do not** open attachments or click on links.

I agree with option 2 as well. Would appreciate more discussion about what that threshold should be.

Helena

Helena Swinkels MD MHSc FCFP FRCPC **Phone**: 604-661-3819| **Fax**: 604-913-2081|**Cell**: 604-219-5606

"Resilience may not lie within individuals, but between individuals" @DrMattWalton

---

From: Schwandt, Michael [VCH] <michael.schwandt@vch.ca>
Sent: Wednesday, June 30, 2021 9:50 AM
To: Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH On Duty <EPHonduty@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; HBE <HBE@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

s.13(1), s.17(1) [redacted]

Michael

From: Goodison, Karin <Karin.Goodison@interiorhealth.ca>
Sent: Wednesday, June 30, 2021 9:33 AM
To: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Schwandt, Michael [VCH] <michael.schwandt@vch.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Drexhage, Glenn

<Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH On Duty <EPHonduty@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; HBE <HBE@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

On behalf of IH, I agree with unified approach and support option 2.

Karin

From: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>
Sent: Wednesday, June 30, 2021 9:21 AM
To: Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Schwandt, Michael [VCH] <michael.schwandt@vch.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran <Kamran.Golmohammadi@interiorhealth.ca>; Goodison, Karin <Karin.Goodison@interiorhealth.ca>; Mema, Dr. Silvina <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue <Sue.Pollock@interiorhealth.ca>; EPH On Duty <EPHonduty@interiorhealth.ca>; Population Health-Epidemiology and Surveillance Unit <PHESU@interiorhealth.ca>; Baytalan, Greg <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; HBE <HBE@interiorhealth.ca>; Deegan, Heather <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>

Subject: Re: Heat Warning from ECCC as we enter the end of this extreme heat wave

Hi all –

Given the way the meteorological service operates, Armel is asking for an SOP approach to this decision, which can be easily applied by forecasters. He suggests three possible options:

1) Heat alert ends on a target date
2) Heat alert ends when forecasted overnight temperature is below the regional threshold by some threshold (I'd propose 1 degree)
3) Heat alert ends when regional health authority asks for it to end

I think any of these options can be protective. What we need right now is for indoor environments to cool down, which may take a few days of cooler temperatures. I suspect that option #2 is most consistent with current SOPs at the meteorological service. Regardless, we must decide on a unified approach for the province, it will be hard for ECCC to operationalize anything piecemeal.

Happy to meet to discuss later today, or to continue the conversation by email.

Cheers,

Sarah

Sarah B. Henderson, PhD

Scientific Director | Environmental Health Services | BCCDC
Associate Professor (Partner) | School of Population and Public Health | UBC
Office: 604.707.2449
Cell: s.15(1)(l)

#DifferentTogether
#InPlainSight

From: "Waters, Shannon (Dr)" <Shannon.Waters@VIHA.CA>
Date: Wednesday, June 30, 2021 at 9:13 AM
To: "Schwandt, Michael [VCH]" <michael.schwandt@vch.ca>, "Henderson, Sarah [BCCDC]" <Sarah.Henderson@bccdc.ca>, "'Castellan,Armel (ECCC)'" <Armel.Castellan@ec.gc.ca>, _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>, "Enns, Charmaine [VIHA]" <Charmaine.Enns@viha.ca>, Cheryl Bloxham <Cheryll.Bloxham@viha.ca>, "Diplock, Cole [VIHA]" <Cole.Diplock@viha.ca>, "Nowakowski, Craig [VIHA]" <Craig.Nowakowski@viha.ca>, "Abassi, Dominic" <Dominic.Abassi@VIHA.CA>, "Luttrell, Gethsemane [VIHA]" <Gethsemane.Luttrell@viha.ca>, "Drexhage, Glenn" <Glenn.Drexhage@VIHA.CA>, "Hasselback, Paul [VIHA]" <Paul.Hasselback@viha.ca>, "hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>, "Yehia, Jade [VIHA]" <Jade.Yehia@viha.ca>, "Parisi, Jennifer J" <Jennifer.Parisi@VIHA.CA>, "Fyfe, Murray W. (Dr) [VIHA]" <Murray.Fyfe@viha.ca>, "McKay, Valerie" <Valerie.Mckay@VIHA.CA>, "Golmohammadi, Dr. Kamran [IHA]" <Kamran.Golmohammadi@interiorhealth.ca>, "Goodison, Karin [IHA]" <Karin.Goodison@interiorhealth.ca>, "Mema, Dr. Silvina [IHA]" <Silvina.Mema@interiorhealth.ca>, "Pollock, Dr. Sue [IHA]" <Sue.Pollock@interiorhealth.ca>, EPH Emergency Response <EPHEmergencyResponse@interiorhealth.ca>, "PHESU [IHA]" <PHESU@interiorhealth.ca>, "Baytalan, Greg [IHA]" <Greg.Baytalan@interiorhealth.ca>, "hc heatdivision-divisiondelachaleur.sc [EXT]"

<hc.heatdivision-divisiondelachaleur.sc@canada.ca>, Health Communities Program <hbe@interiorhealth.ca>, "Deegan, Heather [IHA]" <Heather.Deegan@interiorhealth.ca>, "Speer, Jennifer [IHA]" <Jennifer.Speer@interiorhealth.ca>, "Hadley, Pam [IHA]" <Pam.Hadley@interiorhealth.ca>, "El Kurdi, Sylvia [IHA]" <Sylvia.ElKurdi@interiorhealth.ca>, "Kurc, Andrew [NHA]" <Andrew.Kurc@northernhealth.ca>, "Quibell, Doug [NHA]" <Doug.Quibell@northernhealth.ca>, "Gray, Andrew [NHA]" <Andrew.Gray@northernhealth.ca>, "Kim, Jong [NHA]" <Jong.Kim@northernhealth.ca>, "Fumerton, Raina [NHA]" <Raina.Fumerton@northernhealth.ca>, "Kling, Rakel [NHA]" <Rakel.Kling@northernhealth.ca>, "hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>, "Harder, Kari [NHA]" <Kari.Harder@northernhealth.ca>, Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: "EC.F MSA-Pacifique / WPM-Pacific F.EC" <ec msa-pacifique-wpm-pacific.ec@canada.ca>, "ec.cpipsuperviseur-pspcsupervisor.ec [EXT]" <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>, "MacDonald,Melissa (ECCC)" <Melissa.MacDonald@ec.gc.ca>, "Crabtree, Alexis [VCH]" <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

I agree with this approach as well.

From: Schwandt, Michael [VCH] <michael.schwandt@vch.ca>
Sent: Wednesday, June 30, 2021 9:09 AM
To: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole <Cole.Diplock@viha.ca>; Nowakowski, Craig <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane <Gethsemane.Luttrell@VIHA.CA>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul (Dr) <Paul.Hasselback@VIHA.CA>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) <Murray.Fyfe@viha.ca>; Waters, Shannon (Dr) <Shannon.Waters@VIHA.CA>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH Emergency Response <EPHEmergencyResponse@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Health Communities Program <hbe@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

Thanks very much for the discussion, Armel and Sarah.

s.13(1), s.17(1)

[redacted]

Talk later today,

Michael

Michael Schwandt, MD MPH FRCPC
Medical Health Officer, Vancouver Coastal Health
601 West Broadway, Suite 800
Vancouver, BC V5T 4C2
Phone: 604-675-3915 | Fax: 604-731-2756 | Email: michael.schwandt@vch.ca

Administrative Assistant: Ryan Chan (ryan.chan@vch.ca, p. 604-875-5600 x54375)

I recognize that my place of work and the facilities of Vancouver Coastal Health lie on the traditional homelands of the fourteen First Nation communities of Heiltsuk, Kitasoo-Xai'xais, Lilwat, Musqueam, N'Quatqua, Nuxalk, Samahquam, Sechelt, Skatin, Squamish, Tla'amin, Tsleil-Waututh, Wuikinuxv, and Xa'xtsa.

From: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>
Sent: Tuesday, June 29, 2021 1:31 PM
To: 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Dominic Abassi <Dominic.Abassi@viha.ca>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Glenn Drexhage <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Jennifer Parisi <Jennifer.Parisi@viha.ca>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Valerie Mckay <Valerie.Mckay@viha.ca>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH Emergency Response <EPHEmergencyResponse@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Health Communities Program <hbe@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

Hi folks –

I really think we need to base this decision on the overnight lows at this time, rather than the high/low criteria. Until the overnight lows come down past the threshold, I think the warning should stay in effect.

My two cents, which may be worth more or less depending on your perspective.

Cheers,

Sarah

Sarah B. Henderson, PhD

Scientific Director | Environmental Health Services | BCCDC
Associate Professor (Partner) | School of Population and Public Health | UBC
Office: 604.707.2449
Cell: s.15(1)(l) [redacted]

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#InPlainSight

I often work outside of normal business hours because it suits me. There is no expectation that you will respond outside of your working hours.

From: Castellan,Armel (ECCC) [mailto:Armel.Castellan@ec.gc.ca]
Sent: Tuesday, June 29, 2021 1:21 PM
To: _Health Heat Response LM; Enns, Charmaine [VIHA]; Cheryl Bloxham; Diplock, Cole [VIHA]; Nowakowski, Craig [VIHA]; Dominic Abassi; Luttrell, Gethsemane [VIHA]; Glenn Drexhage; Hasselback, Paul [VIHA]; hc.heatdivision-divisiondelachaleur.sc [EXT]; Yehia, Jade [VIHA]; Jennifer Parisi; Fyfe, Murray W. (Dr) [VIHA]; Waters, Shannon [VIHA]; Valerie Mckay; Golmohammadi, Dr. Kamran [IHA]; Goodison, Karin [IHA]; Mema, Dr. Silvina [IHA]; Pollock, Dr. Sue [IHA]; EPH Emergency Response; PHESU [IHA]; Baytalan, Greg [IHA]; hc.heatdivision-divisiondelachaleur.sc [EXT]; Health Communities Program; Deegan, Heather [IHA]; Speer, Jennifer [IHA]; Hadley, Pam [IHA]; El Kurdi, Sylvia [IHA]; Kurc, Andrew [NHA]; Quibell, Doug [NHA]; Gray, Andrew [NHA]; Kim, Jong [NHA]; Fumerton, Raina [NHA]; Kling, Rakel [NHA]; hc.heatdivision-divisiondelachaleur.sc [EXT]; Harder, Kari [NHA]; Northern Health Emergency Management
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC; ec.cpipsuperviseur-pspcsupervisor.ec [EXT]; MacDonald,Melissa (ECCC)
Subject: Heat Warning from ECCC as we enter the end of this extreme heat wave

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Hi Health Partners across the Province,

As the marine air influences the south coast of BC, the temperatures are going to ease from historic to simply warmer than seasonal averages from Wednesday onward and eventually in the interior as well (this weekend). Strictly speaking the thresholds for the onset of a regular heat warning will not continue to be reached as the high pressure "heat dome" shifts east into AB.

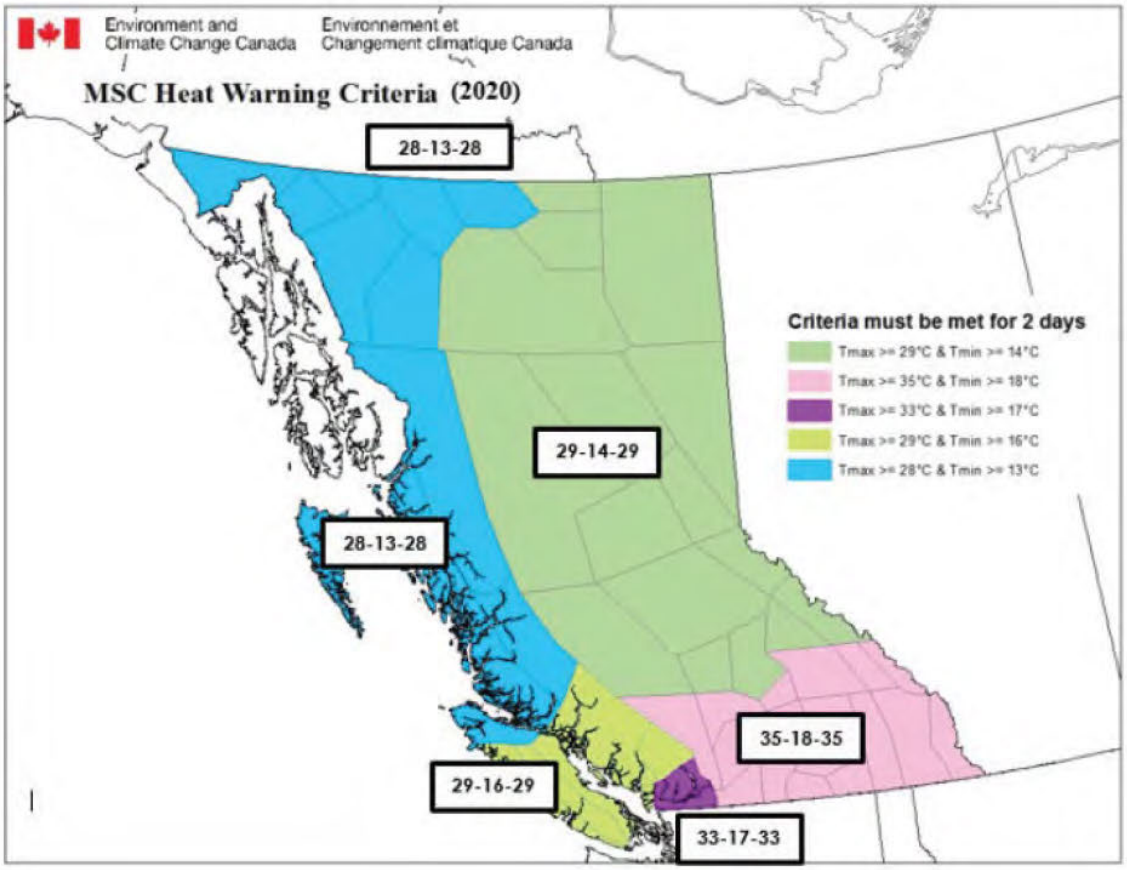
Metrovancouver/Victoria/VI/Sunshine coast need a 29C daytime temp and 16C overnight low, for the Fraser Valley of 33C and 17C respectively, 35 and 18 for the south interior of BC and so on.

We understand that the worst of the health implications (mortalities) have up to 3-4 day lag time from the peak heat.

Our question to you collectively, and I appreciate we can't deliberate this for days in a proper forum, is this:
Does it make sense to keep the heat warning if temperatures are only one degree below criteria?
Does it help keep the attention from the public to the continued need to stay vigilant with respect to the heat illnesses?

thank you very much for your quick thoughts

Armel



From: Phillips, Mark [VCH]
To: Delorme, Gerry (PHSA) [VIHA]; Lavery, John [PHSA]
Subject: Fwd: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave
Date: Wednesday, June 30, 2021 1:23:22 PM
Attachments: image002.png
image003.png

FYI.

Mark Phillips
604-816-2284

---------- Forwarded message ----------
From: "MacDonald,Melissa (ECCC)" <Melissa.MacDonald@ec.gc.ca>
Date: Jun. 30, 2021 1:12 p m.
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave
To: "Henderson, Sarah [BCCDC]" <Sarah.Henderson@bccdc.ca>,"Swinkels, Helena [FNHA]" <Helena.Swinkels@fnha.ca>,"Schwandt, Michael [VCH]" <michael.schwandt@vch.ca>,"Goodison, Karin [IHA]" <Karin.Goodison@interiorhealth.ca>,"Waters, Shannon [VIHA]" <shannon.waters@viha.ca>,"Castellan,Armel (ECCC)" <Armel.Castellan@ec.gc.ca>,_Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>,"Enns, Charmaine [VIHA]" <Charmaine.Enns@viha.ca>,'Cheryl Bloxham' <Cheryll.Bloxham@viha.ca>,"Diplock, Cole [VIHA]" <Cole.Diplock@viha.ca>,"Nowakowski, Craig [VIHA]" <Craig.Nowakowski@viha.ca>,"'Abassi, Dominic'" <Dominic.Abassi@VIHA.CA>,"Luttrell, Gethsemane [VIHA]" <Gethsemane.Luttrell@viha.ca>,"'Drexhage, Glenn'" <Glenn.Drexhage@VIHA.CA>,"Hasselback, Paul [VIHA]" <Paul.Hasselback@viha.ca>,"hc heatdivision-divisiondelachaleur.sc [EXT]" <hc heatdivision-divisiondelachaleur.sc@canada.ca>,"Yehia, Jade [VIHA]" <Jade.Yehia@viha.ca>,"'Parisi, Jennifer J'" <Jennifer.Parisi@VIHA.CA>,"Fyfe, Murray W. (Dr) [VIHA]" <Murray.Fyfe@viha.ca>,"'McKay, Valerie'" <Valerie.Mckay@VIHA.CA>,"Golmohammadi, Dr. Kamran [IHA]" <Kamran.Golmohammadi@interiorhealth.ca>,"Mema, Dr. Silvina [IHA]" <Silvina.Mema@interiorhealth.ca>,"Pollock, Dr. Sue [IHA]" <Sue.Pollock@interiorhealth.ca>,'EPH On Duty' <EPHonduty@interiorhealth.ca>,"PHESU [IHA]" <PHESU@interiorhealth.ca>,"Baytalan, Greg [IHA]" <Greg.Baytalan@interiorhealth.ca>,"hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>,'HBE' <HBE@interiorhealth.ca>,"Deegan, Heather [IHA]" <Heather.Deegan@interiorhealth.ca>,"Speer, Jennifer [IHA]" <Jennifer.Speer@interiorhealth.ca>,"Hadley, Pam [IHA]" <Pam.Hadley@interiorhealth.ca>,"El Kurdi, Sylvia [IHA]" <Sylvia.ElKurdi@interiorhealth.ca>,"Kurc, Andrew [NHA]" <Andrew.Kurc@northernhealth.ca>,"Quibell, Doug [NHA]" <Doug.Quibell@northernhealth.ca>,"Gray, Andrew [NHA]" <Andrew.Gray@northernhealth.ca>,"Kim, Jong [NHA]" <Jong.Kim@northernhealth.ca>,"Fumerton, Raina [NHA]" <Raina.Fumerton@northernhealth.ca>,"Kling, Rakel [NHA]" <Rakel.Kling@northernhealth.ca>,"hc.heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>,"Harder, Kari [NHA]" <Kari.Harder@northernhealth.ca>,'Northern Health Emergency Management' <HEMBC@northernhealth.ca>
Cc: "'EC.F MSA-Pacifique / WPM-Pacific F.EC'" <ec.msa-pacifique-wpm-pacific.ec@canada.ca>,"CPIP Superviseur / PSPC Supervisor (EC/EC)" <PSPCSupervisor@ec.gc.ca>,"Crabtree, Alexis [VCH]" <Alexis.Crabtree@vch.ca>
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Thank you Sarah and partners! This is really beneficial information to support our operations.

Melissa

From: Henderson, Sarah [BCCDC] <sarah.henderson@bccdc.ca>
Sent: June 30, 2021 1:59 PM
To: Swinkels, Helena [FNHA] <Helena.Swinkels@fnha.ca>; Schwandt, Michael [VCH] <michael.schwandt@vch.ca>;

Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Castellan,Armel (ECCC) <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; 'Cheryl Bloxham' <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; 'Abassi, Dominic' <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; 'Drexhage, Glenn' <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <paul.hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; 'Parisi, Jennifer J' <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; 'McKay, Valerie' <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; 'EPH On Duty' <EPHonduty@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; 'HBE' <HBE@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; 'Northern Health Emergency Management' <HEMBC@northernhealth.ca>
Cc: 'EC.F MSA-Pacifique / WPM-Pacific F.EC' <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; CPIP Superviseur / PSPC Supervisor (EC/EC) <PSPCSupervisor@ec.gc.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

Hi all –

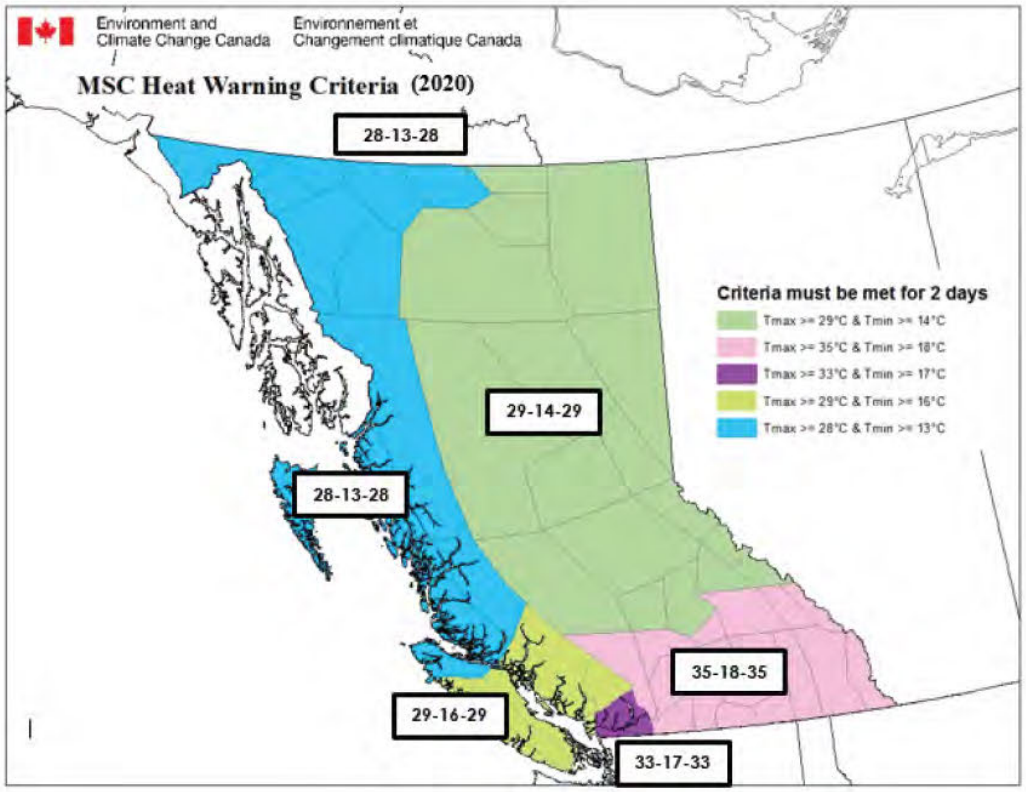
It seems like there is good support for option #2. As a reminder, the map with the ECCC thresholds for BC is included below.

I would propose that the heat alert be ended when the forecast low is expected to be 1 degree lower than the regional threshold **AND** is expected to hold steady or continue to trend downward.

Does this seem reasonable?

Cheers,

Sarah



Sarah B. Henderson, PhD

Scientific Director | Environmental Health Services | BCCDC
Associate Professor (Partner) | School of Population and Public Health | UBC
Office: 604.707.2449
Cell: s.15(1)(l)

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I often work outside of normal business hours because it suits me. There is no expectation that you will respond outside of your working hours.

From: Dr.Helena Swinkels [mailto:Helena.Swinkels@fnha.ca]
Sent: Wednesday, June 30, 2021 9:52 AM
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

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I agree with option 2 as well. Would appreciate more discussion about what that threshold should be.
Helena

Helena Swinkels MD MHSc FCFP FRCPC Phone: 604-661-3819| Fax: 604-913-2081|Cell: s.15(1)(l)

"Resilience may not lie within individuals, but between individuals" @DrMattWalton

---

From: Schwandt, Michael [VCH] <michael.schwandt@vch.ca>
Sent: Wednesday, June 30, 2021 9:50 AM
To: Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH On Duty <EPHonduty@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; HBE <HBE@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

s.13(1), s.17(1) [redacted]

Michael

From: Goodison, Karin <Karin.Goodison@interiorhealth.ca>
Sent: Wednesday, June 30, 2021 9:33 AM
To: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Schwandt, Michael [VCH] <michael.schwandt@vch.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA]

<Kamran.Golmohammadi@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH On Duty <EPHonduty@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; HBE <HBE@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

On behalf of IH, I agree with unified approach and support option 2.

Karin

From: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>
Sent: Wednesday, June 30, 2021 9:21 AM
To: Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Schwandt, Michael [VCH] <michael.schwandt@vch.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran <Kamran.Golmohammadi@interiorhealth.ca>; Goodison, Karin <Karin.Goodison@interiorhealth.ca>; Mema, Dr. Silvina <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue <Sue.Pollock@interiorhealth.ca>; EPH On Duty <EPHonduty@interiorhealth.ca>; Population Health-Epidemiology and Surveillance Unit <PHESU@interiorhealth.ca>; Baytalan, Greg <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; HBE <HBE@interiorhealth.ca>; Deegan, Heather <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: Re: Heat Warning from ECCC as we enter the end of this extreme heat wave

Hi all –

Given the way the meteorological service operates, Armel is asking for an SOP approach to this decision, which can be easily applied by forecasters. He suggests three possible options:

1) Heat alert ends on a target date
2) Heat alert ends when forecasted overnight temperature is below the regional threshold by some threshold (I'd propose 1 degree)
3) Heat alert ends when regional health authority asks for it to end

I think any of these options can be protective. What we need right now is for indoor environments to cool down, which may take a few days of cooler temperatures. I suspect that option #2 is most consistent with current SOPs at the meteorological service. Regardless, we must decide on a unified approach for the province, it will be hard for ECCC to operationalize anything piecemeal.

Happy to meet to discuss later today, or to continue the conversation by email.

Cheers,

Sarah

Sarah B. Henderson, PhD

Scientific Director | Environmental Health Services | BCCDC
Associate Professor (Partner) | School of Population and Public Health | UBC
Office: 604.707.2449
Cell: s.15(1)(l)

#DifferentTogether
#InPlainSight

From: "Waters, Shannon (Dr)" <Shannon.Waters@VIHA.CA>
Date: Wednesday, June 30, 2021 at 9:13 AM
To: "Schwandt, Michael [VCH]" <michael.schwandt@vch.ca>, "Henderson, Sarah [BCCDC]" <Sarah.Henderson@bccdc.ca>, "'Castellan,Armel (ECCC)'" <Armel.Castellan@ec.gc.ca>, _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>, "Enns, Charmaine [VIHA]" <Charmaine.Enns@viha.ca>, Cheryl Bloxham <Cheryll.Bloxham@viha.ca>, "Diplock, Cole [VIHA]" <Cole.Diplock@viha.ca>, "Nowakowski, Craig [VIHA]" <Craig.Nowakowski@viha.ca>, "Abassi, Dominic" <Dominic.Abassi@VIHA.CA>, "Luttrell, Gethsemane [VIHA]" <Gethsemane.Luttrell@viha.ca>, "Drexhage, Glenn" <Glenn.Drexhage@VIHA.CA>, "Hasselback, Paul [VIHA]" <Paul.Hasselback@viha.ca>, "hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>, "Yehia, Jade [VIHA]" <Jade.Yehia@viha.ca>, "Parisi, Jennifer J" <Jennifer.Parisi@VIHA.CA>, "Fyfe, Murray W. (Dr) [VIHA]" <Murray.Fyfe@viha.ca>, "McKay, Valerie" <Valerie.Mckay@VIHA.CA>, "Golmohammadi, Dr. Kamran [IHA]" <Kamran.Golmohammadi@interiorhealth.ca>, "Goodison, Karin [IHA]" <Karin.Goodison@interiorhealth.ca>, "Mema, Dr. Silvina [IHA]" <Silvina.Mema@interiorhealth.ca>, "Pollock, Dr. Sue [IHA]" <Sue.Pollock@interiorhealth.ca>, EPH Emergency Response <EPHEmergencyResponse@interiorhealth.ca>, "PHESU [IHA]" <PHESU@interiorhealth.ca>, "Baytalan, Greg [IHA]" <Greg.Baytalan@interiorhealth.ca>, "hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>, Health Communities Program <hbe@interiorhealth.ca>, "Deegan, Heather [IHA]" <Heather.Deegan@interiorhealth.ca>, "Speer, Jennifer [IHA]" <Jennifer.Speer@interiorhealth.ca>, "Hadley, Pam [IHA]" <Pam.Hadley@interiorhealth.ca>, "El Kurdi, Sylvia [IHA]" <Sylvia.ElKurdi@interiorhealth.ca>, "Kurc, Andrew [NHA]" <Andrew.Kurc@northernhealth.ca>, "Quibell, Doug [NHA]" <Doug.Quibell@northernhealth.ca>, "Gray,

Andrew [NHA]" <Andrew.Gray@northernhealth.ca>, "Kim, Jong [NHA]" <Jong.Kim@northernhealth.ca>, "Fumerton, Raina [NHA]" <Raina.Fumerton@northernhealth.ca>, "Kling, Rakel [NHA]" <Rakel.Kling@northernhealth.ca>, "hc heatdivision-divisiondelachaleur.sc [EXT]" <hc.heatdivision-divisiondelachaleur.sc@canada.ca>, "Harder, Kari [NHA]" <Kari.Harder@northernhealth.ca>, Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: "EC.F MSA-Pacifique / WPM-Pacific F.EC" <ec msa-pacifique-wpm-pacific.ec@canada.ca>, "ec.cpipsuperviseur-pspcsupervisor.ec [EXT]" <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>, "MacDonald,Melissa (ECCC)" <Melissa.MacDonald@ec.gc.ca>, "Crabtree, Alexis [VCH]" <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

I agree with this approach as well.

From: Schwandt, Michael [VCH] <michael.schwandt@vch.ca>
Sent: Wednesday, June 30, 2021 9:09 AM
To: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>; 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole <Cole.Diplock@viha.ca>; Nowakowski, Craig <Craig.Nowakowski@viha.ca>; Abassi, Dominic <Dominic.Abassi@VIHA.CA>; Luttrell, Gethsemane <Gethsemane.Luttrell@VIHA.CA>; Drexhage, Glenn <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul (Dr) <Paul.Hasselback@VIHA.CA>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade <Jade.Yehia@viha.ca>; Parisi, Jennifer J <Jennifer.Parisi@VIHA.CA>; Fyfe, Murray W. (Dr) <Murray.Fyfe@viha.ca>; Waters, Shannon (Dr) <Shannon.Waters@VIHA.CA>; McKay, Valerie <Valerie.Mckay@VIHA.CA>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH Emergency Response <EPHEmergencyResponse@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Health Communities Program <hbe@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>; Crabtree, Alexis [VCH] <Alexis.Crabtree@vch.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

Thanks very much for the discussion, Armel and Sarah.

s.13(1), s.17(1)

[redacted]

Talk later today,

Michael

Michael Schwandt, MD MPH FRCPC

Medical Health Officer, Vancouver Coastal Health
601 West Broadway, Suite 800
Vancouver, BC V5T 4C2
Phone: 604-675-3915 | Fax: 604-731-2756 | Email: michael.schwandt@vch.ca

Administrative Assistant: Ryan Chan (ryan.chan@vch.ca, p. 604-875-5600 x54375)

I recognize that my place of work and the facilities of Vancouver Coastal Health lie on the traditional homelands of the fourteen First Nation communities of Heiltsuk, Kitasoo-Xai'xais, Lilwat, Musqueam, N'Quatqua, Nuxalk, Samahquam, Sechelt, Skatin, Squamish, Tla'amin, Tsleil-Waututh, Wuikinuxv, and Xa'xtsa.

From: Henderson, Sarah [BCCDC] <Sarah.Henderson@bccdc.ca>
Sent: Tuesday, June 29, 2021 1:31 PM
To: 'Castellan,Armel (ECCC)' <Armel.Castellan@ec.gc.ca>; _Health Heat Response LM <Health.Heat.Response.LM@phsa.ca>; Enns, Charmaine [VIHA] <Charmaine.Enns@viha.ca>; Cheryl Bloxham <Cheryll.Bloxham@viha.ca>; Diplock, Cole [VIHA] <Cole.Diplock@viha.ca>; Nowakowski, Craig [VIHA] <Craig.Nowakowski@viha.ca>; Dominic Abassi <Dominic.Abassi@viha.ca>; Luttrell, Gethsemane [VIHA] <Gethsemane.Luttrell@viha.ca>; Glenn Drexhage <Glenn.Drexhage@VIHA.CA>; Hasselback, Paul [VIHA] <Paul.Hasselback@viha.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Yehia, Jade [VIHA] <Jade.Yehia@viha.ca>; Jennifer Parisi <Jennifer.Parisi@viha.ca>; Fyfe, Murray W. (Dr) [VIHA] <Murray.Fyfe@viha.ca>; Waters, Shannon [VIHA] <shannon.waters@viha.ca>; Valerie Mckay <Valerie.Mckay@viha.ca>; Golmohammadi, Dr. Kamran [IHA] <Kamran.Golmohammadi@interiorhealth.ca>; Goodison, Karin [IHA] <Karin.Goodison@interiorhealth.ca>; Mema, Dr. Silvina [IHA] <Silvina.Mema@interiorhealth.ca>; Pollock, Dr. Sue [IHA] <Sue.Pollock@interiorhealth.ca>; EPH Emergency Response <EPHEmergencyResponse@interiorhealth.ca>; PHESU [IHA] <PHESU@interiorhealth.ca>; Baytalan, Greg [IHA] <Greg.Baytalan@interiorhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Health Communities Program <hbe@interiorhealth.ca>; Deegan, Heather [IHA] <Heather.Deegan@interiorhealth.ca>; Speer, Jennifer [IHA] <Jennifer.Speer@interiorhealth.ca>; Hadley, Pam [IHA] <Pam.Hadley@interiorhealth.ca>; El Kurdi, Sylvia [IHA] <Sylvia.ElKurdi@interiorhealth.ca>; Kurc, Andrew [NHA] <Andrew.Kurc@northernhealth.ca>; Quibell, Doug [NHA] <Doug.Quibell@northernhealth.ca>; Gray, Andrew [NHA] <Andrew.Gray@northernhealth.ca>; Kim, Jong [NHA] <Jong.Kim@northernhealth.ca>; Fumerton, Raina [NHA] <Raina.Fumerton@northernhealth.ca>; Kling, Rakel [NHA] <Rakel.Kling@northernhealth.ca>; hc.heatdivision-divisiondelachaleur.sc [EXT] <hc.heatdivision-divisiondelachaleur.sc@canada.ca>; Harder, Kari [NHA] <Kari.Harder@northernhealth.ca>; Northern Health Emergency Management <HEMBC@northernhealth.ca>
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC <ec.msa-pacifique-wpm-pacific.ec@canada.ca>; ec.cpipsuperviseur-pspcsupervisor.ec [EXT] <ec.cpipsuperviseur-pspcsupervisor.ec@canada.ca>; MacDonald,Melissa (ECCC) <Melissa.MacDonald@ec.gc.ca>
Subject: RE: Heat Warning from ECCC as we enter the end of this extreme heat wave

Hi folks –

I really think we need to base this decision on the overnight lows at this time, rather than the high/low criteria. Until the overnight lows come down past the threshold, I think the warning should stay in effect.

My two cents, which may be worth more or less depending on your perspective.

Cheers,

Sarah

Sarah B. Henderson, PhD

Scientific Director | Environmental Health Services | BCCDC
Associate Professor (Partner) | School of Population and Public Health | UBC
Office: 604.707.2449
Cell: s.15(1)(l)

#DifferentTogether
#InPlainSight

I often work outside of normal business hours because it suits me. There is no expectation that you will respond outside of your working hours.

From: Castellan,Armel (ECCC) [mailto:Armel.Castellan@ec.gc.ca]
Sent: Tuesday, June 29, 2021 1:21 PM
To: _Health Heat Response LM; Enns, Charmaine [VIHA]; Cheryl Bloxham; Diplock, Cole [VIHA]; Nowakowski, Craig [VIHA]; Dominic Abassi; Luttrell, Gethsemane [VIHA]; Glenn Drexhage; Hasselback, Paul [VIHA]; hc.heatdivision-divisiondelachaleur.sc [EXT]; Yehia, Jade [VIHA]; Jennifer Parisi; Fyfe, Murray W. (Dr) [VIHA]; Waters, Shannon [VIHA]; Valerie Mckay; Golmohammadi, Dr. Kamran [IHA]; Goodison, Karin [IHA]; Mema, Dr. Silvina [IHA]; Pollock, Dr. Sue [IHA]; EPH Emergency Response; PHESU [IHA]; Baytalan, Greg [IHA]; hc.heatdivision-divisiondelachaleur.sc [EXT]; Health Communities Program; Deegan, Heather [IHA]; Speer, Jennifer [IHA]; Hadley, Pam [IHA]; El Kurdi, Sylvia [IHA]; Kurc, Andrew [NHA]; Quibell, Doug [NHA]; Gray, Andrew [NHA]; Kim, Jong [NHA]; Fumerton, Raina [NHA]; Kling, Rakel [NHA]; hc.heatdivision-divisiondelachaleur.sc [EXT]; Harder, Kari [NHA]; Northern Health Emergency Management
Cc: EC.F MSA-Pacifique / WPM-Pacific F.EC; ec.cpipsuperviseur-pspcsupervisor.ec [EXT]; MacDonald,Melissa (ECCC)
Subject: Heat Warning from ECCC as we enter the end of this extreme heat wave

EXTERNAL SENDER. If you suspect this message is malicious, please forward to spam@phsa.ca and **do not** open attachments or click on links.

Hi Health Partners across the Province,

As the marine air influences the south coast of BC, the temperatures are going to ease from historic to simply warmer than seasonal averages from Wednesday onward and eventually in the interior as well (this weekend). Strictly speaking the thresholds for the onset of a regular heat warning will not continue to be reached as the high pressure "heat dome" shifts east into AB.

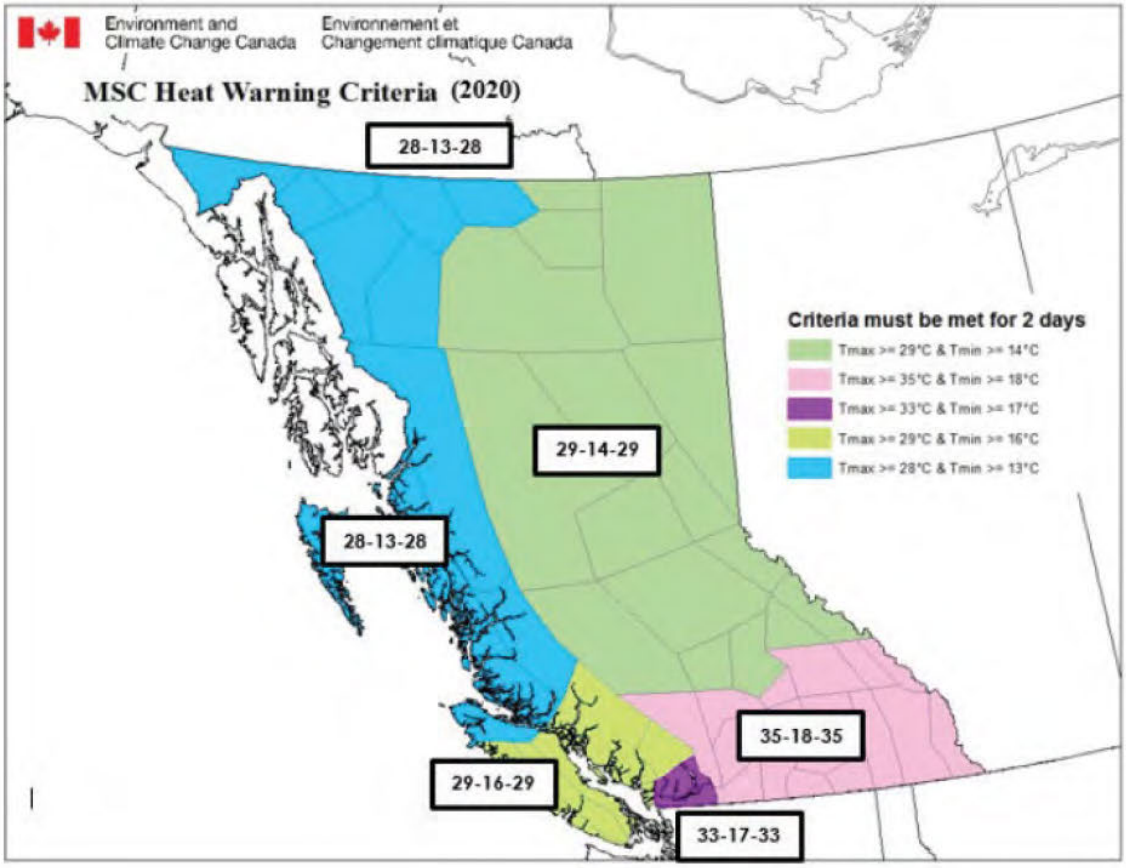
Metrovancouver/Victoria/VI/Sunshine coast need a 29C daytime temp and 16C overnight low, for the Fraser Valley of 33C and 17C respectively, 35 and 18 for the south interior of BC and so on.

We understand that the worst of the health implications (mortalities) have up to 3-4 day lag time from the peak heat.

Our question to you collectively, and I appreciate we can't deliberate this for days in a proper forum, is this:
Does it make sense to keep the heat warning if temperatures are only one degree below criteria?
Does it help keep the attention from the public to the continued need to stay vigilant with respect to the heat illnesses?

thank you very much for your quick thoughts

Armel


Environment and Climate Change Canada
Environnement et Changement climatique Canada
MSC Heat Warning Criteria (2020)
28-13-28
29-14-29
28-13-28
35-18-35
29-16-29
33-17-33
Criteria must be met for 2 days
Tmax >= 29°C & Tmin >= 14°C
Tmax >= 35°C & Tmin >= 18°C
Tmax >= 33°C & Tmin >= 17°C
Tmax >= 29°C & Tmin >= 16°C
Tmax >= 28°C & Tmin >= 13°C

From: Lavery, John [PHSA]
To: Phillips, Mark [VCH]; Spence, Nicole [PHSA]
Cc: Hinde, Grace [PHSA]
Subject: FW: Urgent Request s.13(1), [redacted]
Date: Wednesday, June 30, 2021 4:00:39 PM
Importance: High

FYI - this was sent in to the HEMBC email address earlier today. Is it possible for someone from the LM team to reply?

Thanks,

John

John Lavery
Executive Director
Health Emergency Management British Columbia (HEMBC)
Provincial Health Services Authority
Cell: s.15(1)(l) [redacted]

From: Hinde, Grace [PHSA] <grace.hinde@phsa.ca> **On Behalf Of** HEMBC
Sent: Wednesday, June 30, 2021 3:46 PM
To: Lavery, John [PHSA] <john.lavery@phsa.ca>
Subject: FW: Urgent Request s.13(1), s.17(1) [redacted]
Importance: High

I also noticed this has been sent to HEMBC only, let me know if you would like me to reply or forward the email on.

Thanks, Grace

Grace Hinde
Coordinator
Health Emergency Management British Columbia (HEMBC)

From: Rene Koerner [mailto:Rene.Koerner@reveraliving.com]
Sent: Wednesday, June 30, 2021 11:26 AM
To: HEMBC <HEMBC@phsa.ca>
Cc: Jorge Aroche <Jorge.Aroche@reveraliving.com>
Subject: Urgent Request s.13(1), s.17(1) [redacted]
Importance: High

EXTERNAL SENDER. If you suspect this message is malicious, please forward to spam@phsa.ca and **do not** open attachments or click on links.

Hello,

s.13(1), s.17(1)

[redacted]

I was given the contact information from Cool Air Rentals.

Thank you
Rene

Rene Koerner (She/Her)
Regional Director of Operations, British Columbia
Cell: 604-360-1743
rene.koerner@reveraliving.com

c/o Holyrood Manor
22710 Holyrood Ave, Maple Ridge, BC V2X 3E6

www.reveraliving.com
Respect | Integrity | Compassion | Excellence

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This email contains confidential information and is intended only for the named recipients. If you have received this email in error or are not a named recipient, please notify the sender and destroy the email.

From: ECAlertMe
To: Lavery, John [PHSA]
Subject: [WARNING: ATTACHMENT UNSCANNED]Alert for BC Weather Alerts (009PH)
Date: Wednesday, June 30, 2021 4:16:09 PM

EXTERNAL SENDER. If you suspect this message is malicious, please forward to spam@phsa.ca and **do not** open attachments or click on links.

Issued at 2021-06-30 23:14 UTC by Environment Canada, the B.C. Ministry of Environment:
Special air quality statement ended for:
Metro Vancouver - NW, B.C. (082520-082610-082620)
Metro Vancouver - NE, B.C. (082630-082714)
Metro Vancouver - SE, B.C. (082640-082713)
Metro Vancouver - SW, B.C. (082650)
Fraser Valley, B.C. (082711-082712-082720-082730)

Current details:
Elevated pollution levels are no longer expected or have moved out of the area.

More details on the alert are available here.

The latest status and details on all alerts, including alerts that are not part of your subscription, can be found here: http://www.weather.gc.ca/warnings/index_e.html

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To unsubscribe from these emails please log in here https://ecalertme.weather.gc.ca.
If you wish to contact us, please email us at ec.meteo.ec@canada.ca.

From: Johnson, Laura [VCH] on behalf of Vancouver [VCH]
Subject: Extreme Heat Alert response update
Date: Wednesday, June 30, 2021 4:18:01 PM
Attachments: image001.png
2021.06.30 Memo - Extreme Heat Alert response update - All Staff.pdf

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Sent on behalf of Michelle de Moor, Interim Vice President, Vancouver Acute Services; Dr. Vinay Dhingra, Senior Medical Director, Vancouver Acute Services; and, Dr. Ladan Sadrehashemi, Senior Medical Director, Vancouver Acute Services

Vancouver Acute Community of Care
855 W. 12th Avenue
Vancouver, BC V5Z 1M9

604 875 4999

Memorandum

Date: June 30, 2021
To: All Vancouver Acute Staff and Medical Staff
From: Michelle de Moor, Interim Vice President, Vancouver Acute Services
Dr. Vinay Dhingra, Senior Medical Director, Vancouver Acute Services
Dr. Ladan Sadrehashemi, Senior Medical Director, Vancouver Acute Services

Re: Extreme Heat Alert response update

Thank you to all of our staff and medical staff for your response to the significant increase in patients with heat-related conditions over the past couple of days.

We are pleased to report that, while we are still seeing an increase in our normal volumes, our patient volumes in the VGH Emergency Department and UBCH Urgent Care Centre related to the extreme heat are stabilizing. This means that we have stood down our emergency operations centre and temporary cooling unit at VGH and are resuming scheduled surgical slates.

Hospital leadership will continue to closely monitor the situation. Plans are in place, and adjustments will be made as needed. We will keep you up to date as the situation progresses. Thank you again for your support.

If you have any questions, please speak with your manager or supervisor.

Memorandum

Date: June 30, 2021
To: All Vancouver Acute Staff and Medical Staff
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From: HEMBC_North
To: HEMBC_North; Wieger, Annette [NHA]; Biddlecombe, Moira [NH]; De Snoit, Angela [NHA]; Fraser, Sherry [NHA]; Ulrich, Cathy [NHA]; Chipman, Dena [NHA]; Collins, Eryn [NHA]; Quinn, Jessica [NHA]; Raper, Steve [NHA]; Crozac, Joanne [NHA]; Fugere, Corinne [NHA]; Duthell, Doug [NHA]; Zrul, Chelan [NHA]; Cornell, Trevor [NHA]; King, Rahel [NHA]; T Ikonen, Sherri [NHA]; Furniemon, Raina [NHA]; K m, Jong [NHA]; Kiss, Kendra [NHA]; Stewart, Erin [NHA]; Maracle, Melanie [NHA]; Barlow, Kellie [NHA]; Shawana, Judy (Sud rh) [NHA]; Pebud, Daryl [NHA]; Clemas, Lia [NHA]; Anguish, Penny [NHA]; Johnston, Sandra (Sandie) [NHA]; Oliver, Jordan [NHA]; Patient Transfer; Kelliher, Courtenay [NH]; Steele, Andrew [NHA]; Marr, Gregory [NHA]; Nordli, Kim [NHA]; Cunningham, Krista [NHA]; Barlow, Kellie [NHA]
Cc: Romanas, Amy [PHSA]; Lavery, John [PHSA]
Subject: RE: Update #5- NE HSDA and NI HSDA - HWY 97 North closures due to f re - Evacuation Alert issued
Date: Wednesday, June 30, 2021 4:47:02 PM
Attachments: image001.png

Yesterday's information in **black**, todays update in red.

The **NorthEast PREOC** called a coordination call at 1530 hours today. Updates are as follows:

Environment Canada: **West of Williston Lake expecting thunderstorms today, concerns for tonight and tomorrow with thunder and lightning, winds expected and rain with hail. Tomorrow north part of northeast region in peace area , Muncho Lake area expecting rain, thunderstorms expected.**

Prince George Fire Centre: expecting lightning into Van Jam, Mackenzie and PG – between 1800-2200 hours. Do not think lightning will not be as intense as first forecasted.

3 Fires of Note

G80997- Pink Mountain area - 4800 hectares and growing, not active suppression at this time. Continue to monitor and growth projections, looking at where they can put crews.
G811007- south of G80997– 22 hectares no crew son fire – assessing at this time. Looking at putting in guards.
G91020 – Fort Nelson area – off Hwy 97 – 2500 hectares – no crew on fire – assessing at this time.

All fires are impacting Hwy 97 North – intermittent road closures – closed during day , patrols during night and patrol cars to open intermittently.

Evacuation alert in place – no pending need to put that into an order. No evacuation alerts or orders in place for any communities at this time.

Focus will be on communities and infrastructure.

Cariboo Fire Centre not expecting any lightning tonight in the Quesnel zone as once thought. 1600-2100 anticipating lightning in Williams Lake area and along Highway 97.

River Forecast Centre: Main weather – heat driving forecast – cooler, but hotter causing snow melt at a high rate. Rain and thunderstorm warming for McBride and PG areas – concern in McBride as Fraser already high, some concern for the Dore River to rise as well. McBride area and upstream - Flood Watch.

Any further call minutes will be forwarded to you as they occur. Next call will be 1530 tomorrow, Thursday, July 1.

Many thanks

Jana Hargreaves
Coordinator
Northern Health Emergency Management
308 – 1488 4th Avenue, Prince George, BC V2L 4Y2
Cel s.15(1)(l)
email: jana hargreaves@northernhealth ca
Northern Health Emergency Management On- Call: 1-855-554-3622

HEMBC Health Emergency Management northern health the northern way of caring

I am honoured and privileged to live, work and play on the traditional territory of the Lheidli T'enneh

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Issued Tuesday June 29 21:37 hours

Please see the attached Evacuation Alert issued at 2100 hours by the Peace River Regional District for areas in the G80997 Buckinghorse/Sikanni Chief area, between Mile 202 and South to Buckinghorse River.

https://prrd bc ca/wp-content/uploads/post/evacuation-alert-1-north-peace-fires/Evacuation-ALERT-2019-06-29-@-2100 Signed pdf

Any further updates will be sent out as required

Thank you

Jana

The **Prince George Fire Centre** called a coordination call at 1800-1900 hours this evening with the following to report and discuss:

- Expectations next few days: Forecast next 3 days: ground is dry, dry air, entering into a ridge breakdown and moving into Alberta, upper trough with area of instability, with cooler air. **Wednesday: SEVERE WEATHER, strong winds 15-25 km an hour, possibly 45km-75 km hour by late evening , lightning and thunderstorms in PG as well as north of Peace River to Yukon, NWT. Expecting rapid fire growth with this. Thursday and Friday – cooler, with northerly winds.**
- Fire response – all crews have been pulled due to fire behavior and heat stress concerns for fire fighters, unable to draw resources from around the province as other regions are challenged at this time as well. Focus is on detection, gathering information and tracking.

G80997: Pink Mountain area – all fires have merged into one fire. Extreme fire behavior. Growth is happening quickly and more expected tomorrow. The fire jumped the highway 97 – 5000 hectares if not bigger. Highway closure of 97 – looking at opening road in the evenings for brief periods to let essential traffic through. Working with RCMP and pilot cars – expect delays. Daytime travel likely will not happen.

No evacuation alerts at this time have been issued but pending at this time.

Health Care impacts. BCEHS – Fort Nelson Airport is open for medevacs however highway travel is affected.

Smaller communities (Prophet River, Halfway River, Blueberry First Nation) in the area are being asked to consider planning for EVACUATION. EMBC asking receiving communities to prepare for relocating residents.

These two fires have now merged into the larger G80997:

- G9120 – Fort Nelson south of Trutch – 100 hectares in size at Hwy 97 Rank 5 – impact Hwy 97 north soon.
- G90975– 3000 hectares Rank 5 and 6 – recommendation to put out an Evac Alert in the Pink Mountain area – Highway 97 is currently closed with traffic control by RCMP at Buckinghorse to Sikanni Chief in the Pink Mountain area.

Many thanks and any further developments and updates will be forwarded to you as they come in. There will be a coordination call tomorrow TBD.

Please see update from Drive BC – will be revisited tomorrow morning at 0900 hours via Drive BC update.

Highway 97 Both Directions
Highway 97, in both directions. Forest fire between Sikanni Chief Rd and Prophet River Sub Rd for 59.3 km (112 km north of Wonowon to 114 km south of Fort Nelson). Road closed. Next update time Wed Jun 30 at 9:00 AM MST. Last updated Tue Jun 29 at 4:13 PM MST. (DBC 31007)

Urgent concerns: Tuesday, June 29 – Fire and Flood information

- **Weather Update with Environment and Climate Change Canada**
  - High pressure system today, extreme heat to continue today and tomorrow with some cooling Thursday and Friday Showers and Risk of thunderstorms on Wednesday and Thursday in the North East With this heat – lag time of 3 or 4 days for effect of the heat on individuals as well as environment

- **River Forecast Centre**

Flood Warning – Upper Fraser River (UPGRADED)

The River Forecast Centre is **upgrading** to a **Flood Warning** for the **Upper Fraser River** including:

- **Upper Fraser River including the Robson Valley and areas from Sinclair Mills upstream to Torpy, Dome Creek, Dore River, McBride and surrounding tributaries**

High Streamflow Advisory – Quesnel River

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

- **Quesnel River and its tributaries**

- **Prince George Fire Centre update**
  - Lightning overnight – received a number of fires from those event – significant fire behavior, as many resources on as possible –
  - **2 fires of note**
    - **G9120 – Fort Nelson south of Trutch – 100 hectares in size at Hwy 97 Rank 5 – impact Hwy 97 north soon.**
    - **G90975– 3000 hectares Rank 5 and 6 – recommendation to put out an Evac Alert in the Pink Mountain area – Highway 97 is currently closed with traffic control by RCMP at Buckinghourse to Sikinanni Chief in the Pink Mountain area**. .

- **Health Emergency Management BC. / Northern Health**
  - Working with facilities on cooling efforts in facilities and in community Monitoring situation of floods and fires
- **Fraser Fort George Regional district**
  - **–** one family evacuated from flooding and sandbag stations setup in 3 different locations

Any further Provincial Regional EOC coordination call information will be summarized and forwarded to you as required Currently there are no other calls scheduled at this time

From:	HEMBC, North
To:	Lavery, John [PHSA]; Delorme, Gerry (PHSA) [VIHA]; hlth.dutyofficer@gov.bc.ca [EXT]; Galt, Jamie [EXT]
Cc:	HEMBC, North
Subject:	Daily update from NHA.
Date:	Wednesday, June 30, 2021 4:49:03 PM
Attachments:	image001.png

- Response level of your organization (EOCs activated) **- TWO EOC activated within NHA – 1) executive leadership. IC – CEO Cathy Ulrich 2) Fort St John Hospital**
- Current impacts to organizational operations **- McBride Hospital staffing impacts due to flooding (some staff live in the affected areas) –staffing plan being worked on.**
- Forecasted impacts to organizational operations
  - Planned strategies to mitigate or prepare for forecasted impacts – **Wildfire G80997, evacuation alerts along highway but no residents affecting as of yet. 3 First Nations communities could be affected : Prophet River, Blueberry River, Halfway River. Planning being done in community and with EMBC/receiving community of Fort St John if required. Engagement with FNHA has occurred and will work together if incident escalates. Local cooling centres such as hockey rinks, sports complexes in effect.**
- Primary operational contact for your EOC/duty personnel tasked to wildfire response:
  - Telephone **HEMBC – 1-855-554-3622**
  - Email hembc@northernhealth.ca

- SITREP may include the following dependent on situation:
  - Impacts on infrastructure (health system infrastructure and other) **- none at this time**
  - Impacts on health and human resources – **McBride issue as noted above**
  - Resource shortages **N/A**
  - Issues that require MoH support

This afternoons sit rep that was given to NHA leadership is as such:

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