


Janet St. Denis

Subject:

FW: Fw: Weather Notification: Prolonged Hot and Dry Spell for BC July 24-31, 2018

Attachments:

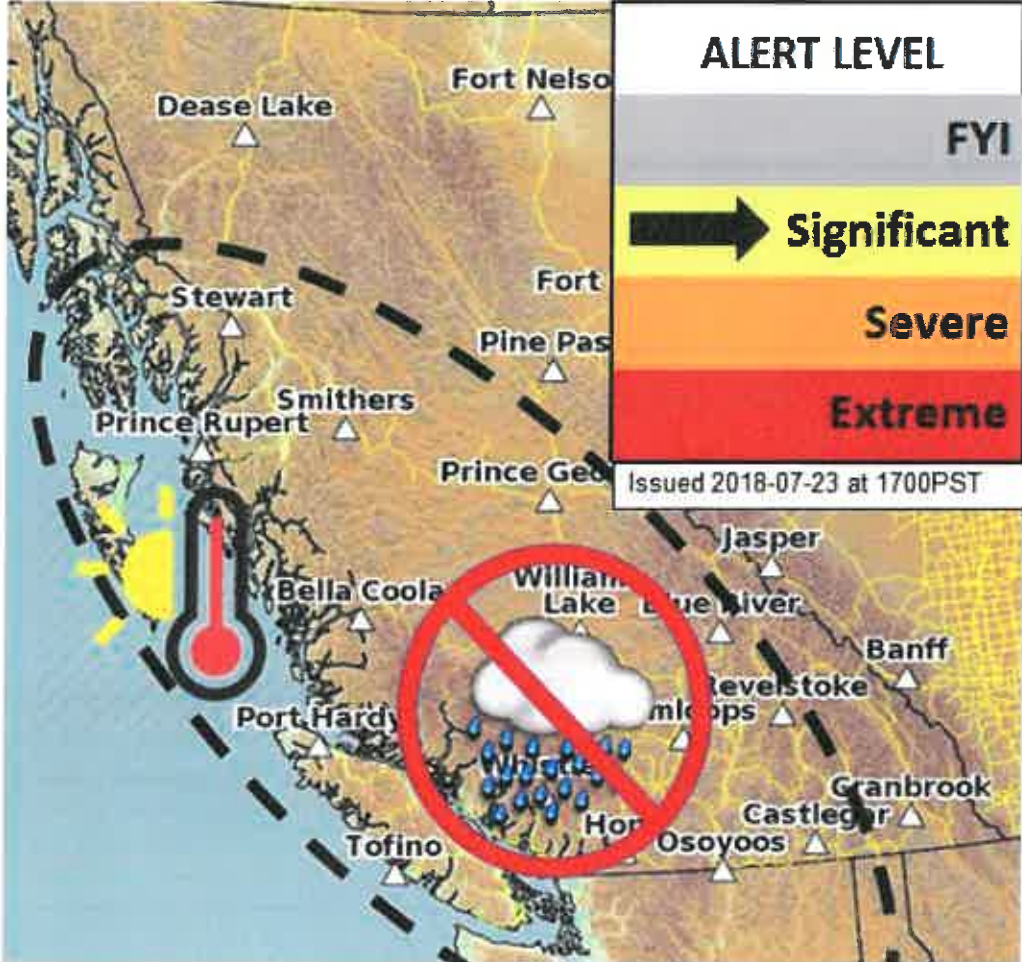
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 Environment and Climate Change Canada Environnement et Changement climatique Canada

Weather Notification for Emergency Management

Prolonged Hot and Dry Spell


Event Timing:
Starting July 24th, 2018



ALERT LEVEL

	FYI
➔	Significant
	Severe
	Extreme

Issued 2018-07-23 at 1700PST

Canada 

Weather Event Impacts:

- Increasing drought conditions over BC.
- Increasing fire danger ratings.
- Potential increase in heat-related illnesses

Recommendations:

- Plan for a week-long dry spell and temperatures 5 to 8 degrees above average
- Consider extending hours of operation for air-conditioned public spaces, and swimming pools
- Monitor local weather forecasts, warnings, and wildfire conditions.

Weather Event Estimated Start Time and Duration:

The dry pattern begins Tuesday, July 24th and persists through the end of the month.

Key Points:

- Dry conditions will persist west of the Rockies
- Higher than normal temperatures, particularly this weekend

Weather Event Details:

A persistent ridge of high pressure anchored along the coast will produce a prolonged stretch of dry, hot weather for most of BC. Temperatures will rise ever so slowly as we get towards the weekend, and range from 5-8 degrees above average. While similar temperatures have been observed earlier this summer, this is the first extended period of heat.

Weak disturbances moving southwards down the east side of the ridge will give a chance of showers and a risk of thunderstorms to northern BC, and the Rockies.

Meteorological Service of Canada

Environment and Climate Change Canada

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*******Weather Notifications are intended for the Emergency Management Community. Please restrict distribution.*******

Alert level description

Alert Level	Weather Element Perspective		Societal Impact Perspective	Estimated Weather Event Frequency
FYI	Weather element(s) not anticipated to reach weather warning criteria	and/or	Minor societal impacts anticipated	As required
Significant	Weather element(s) anticipated to reach weather warning criteria	and/or	Potential for societal impacts for which routine severe weather preparedness would normally suffice for mitigation	Several times per year
Severe	Weather element(s) anticipated to somewhat exceed weather warning criteria	and/or	Potential for major societal impacts for which enhanced severe weather preparedness may or may not suffice for mitigation	Maybe once or twice per year
Extreme	Weather element(s) anticipated to greatly exceed weather warning criteria	and/or	Potential for devastating societal impacts where even enhanced severe weather preparedness probably would not suffice for mitigation	Rare

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There is a good consensus among the major international weather models that this event will last into early next week, if not longer.

Uncertainty Level:

HIGH with respect to hot and dry conditions

LOW with respect to timing the breakdown of the ridge next week

From the BC Wildfire Service:

With this pattern bringing warm and dry weather to many areas, the Fire Danger Rating will increase across most of the province. Public reports are crucial for the BC Wildfire Service in responding as quickly as possible to new wildfires. Please report any fires or columns of smoke to 1-800-663-5555 or *5555 on a mobile phone.

Updated weather forecasts/warnings and links to partner agencies are as follows:

Environment and Climate Change Canada Forecasts:

www.weather.gc.ca/forecast/canada/index_e.html?id=BC

Environment and Climate Change Canada Alerts: www.weather.gc.ca/warnings/index_e.html?prov=bc

Environment and Climate Change Canada Weather Blog: www.avalanche.ca/weather

British Columbia Wildfire Service Fire Danger Rating: <https://www2.gov.bc.ca/gov/content/safety/wildfire-status/wildfire-situation/fire-danger>

British Columbia Drought Information Portal:

<https://governmentofbc.maps.arcgis.com/apps/MapSeries/index.html?appid=838d533d8062411c820eef50b08f7ebc>

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