

Forecaster's Comments

Tuesday, October 17, 2017 - 02:48 PM

Weather Conditions

Past Precipitation:

Since Friday, October 13, up to 20 mm of mixed precipitation fell on the eastern slopes and across northern Alberta.

Future Precipitation:

Showers are expected across most of northern and central Alberta today and tomorrow. Accumulated totals of up to 10 mm are expected in most areas, except for northeastern AB (20 mm). In northern Alberta and along the eastern slopes, mixed precipitation is expected to continue later this week.

Alberta Environment and Parks is in close contact with weather forecasting agencies, including Alberta Agriculture and Forestry, and Environment Canada and Climate Change. Detailed weather forecasts and current weather information are available from:

Alberta Agriculture and Forestry:

<http://wildfire.alberta.ca/wildfire-status/fire-weather/forecasts-observations/default.aspx>

Environment Canada:

http://www.weatheroffice.gc.ca/canada_e.html

River Conditions

There are no river related flooding concerns at this time.

General River Conditions:

Below Normal to Normal: Bow, Hay, Milk, Oldman, Red Deer, and South Saskatchewan river basins

Normal: Battle, North Saskatchewan, and Sounding river basins

Normal to Above Normal: Athabasca, Peace and Beaver river basins

River conditions across the province will continue to be monitored and advisories will be issued as required.

Preliminary Flow Data

Real-time precipitation and river data are available at:

<http://environment.alberta.ca/apps/basins/default.aspx>

All flow data posted on the AEP website is provisional and preliminary. Environment Canada's Water Survey of Canada is the official owner of this information and as such it is part of their mandate to validate the flow values and publish the finalized maximum instantaneous peak discharge and daily discharge values for all locations in Canada on their website -

<http://www.ec.gc.ca/rhc-wsc/default.asp>. The validation of this data does not commence until the end of each calendar year.

Extreme caution should be taken when referring to the data posted to the AEP website - there is a disclaimer at the top of each data table outlining the need for caution. This is particularly true for large flow events when the gauge is affected by debris, damage, sediment in the river, re-alignment of the main river channel and over bank flow which cannot be measured.

Flood Hazard Identification Program

The potential for flooding exists along all streams and lakes in Alberta.

Flooding can cause damage to property, hardship to people and in extreme events, loss of life. To assist Albertans in mitigating potential flood losses, Alberta Environment and Parks manages the production of flood hazard studies and mapping under the provincial [Flood Hazard Identification Program](#).

[Flood Hazard Mapping](#) - Explore final flood hazard maps using GIS.

[Flood Hazard Studies](#) - Learn about final flood hazards in your community.

[Draft Flood Hazard Studies](#) - Review draft flood hazard studies.

Water Supply Report

Water Supply Outlooks are published incrementally as new data analyses are available. The most recent Water Supply Outlook is now available at:

<http://www.environment.alberta.ca/forecasting/WaterSupply/index.html>

Precipitation data and maps for the Water Supply Report are published monthly at:
<http://www.environment.alberta.ca/forecasting/reports/index.html>

