

# Forecaster's Comments

Friday, June 23, 2017 - 03:49 PM

## Weather Conditions

### Past Precipitation:

Since Tuesday (June 20th), widespread precipitation was observed over the province. The largest amounts were recorded up to 50 mm of total precipitation on some areas stretching from Fort Chipewyan to Camrose.

### Future Precipitation:

An area of instability stretching from Lloydminster to High Level is expected to produce showers and thunderstorms this afternoon and evening.

Isolated showers up to 5 mm are possible over the province from Saturday through Sunday. Areas along the eastern slopes may receive up to 10 mm of precipitation.

On Monday, most of the areas within central and northern Alberta are expected to receive smaller amounts of precipitation (up to 5 mm). Areas in between Slave Lake and Cold Lake may receive up to 25mm.

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](http://www.weatheroffice.gc.ca/canada_e.html)

## River Conditions

Generally, river levels are not expected to be affected by the forecasted precipitation, although smaller rivers and creeks may rise if impacted by severe thunderstorm activity. There are no flooding concerns at this time.

### General River Conditions:

Below Normal: Hay

Normal: Battle, Bow, Milk, Oldman, Slave and Sounding

Normal to Above Normal: Athabasca, Beaver, Peace, Red Deer, North Saskatchewan and South Saskatchewan

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>

