

## Moisture Situation Update – August 12, 2018

### Synopsis:

This past weekend, following a very hot and dry week, rain fell across a large area stretching roughly from the town of Peace River down to Wetaskiwin (**see map 1**). Total accumulations ranged from 5 to 50 mm. The greatest amounts fell through much of the North West and North East regions, bringing much needed moisture after a week of hot and dry conditions that saw daytime highs reaching, in some cases, into the mid 30's. Along with the rain, temperatures plummeted dramatically, with day time highs on Sunday (August 12<sup>th</sup>) struggling to reach into the mid-teens.

From Red Deer down as far south as the US border, most areas remained dry over the weekend, receiving between 0 and 5 mm along with a brief reprieve from the exceptionally hot week that preceded it (**see map 1**). During the height of last week's heat wave most areas reached into the high 30's with several stations south of the TransCanada Highway recording temperatures just above the 40°C mark. Although very little rain fell last weekend, temperatures did moderate reaching well into the high 20's, which is still quite warm.

Across the northern Peace Region, dry conditions prevailed (**see map 1**) in the wake of last week's heat wave that brought temperatures very close to the 30C mark. This far north the cooling trend was only moderate, dropping day time highs into the low 20's.

Over the past 90-days, most lands north of the Yellowhead Highway have received at least near normal rainfall accumulations (**see map 2**). South of this, most areas are dryer than normal, ranging from one in three to six year lows, down to several small pockets of one in 25 to 50 year lows. Generally south of Red Deer, precipitation has been highly variable and mostly associated with wide spread, thunder storm activity, bringing localized showers and "hit and miss" moisture. Most of these areas would benefit greatly from widespread rain, as many crops are in need of moisture now.

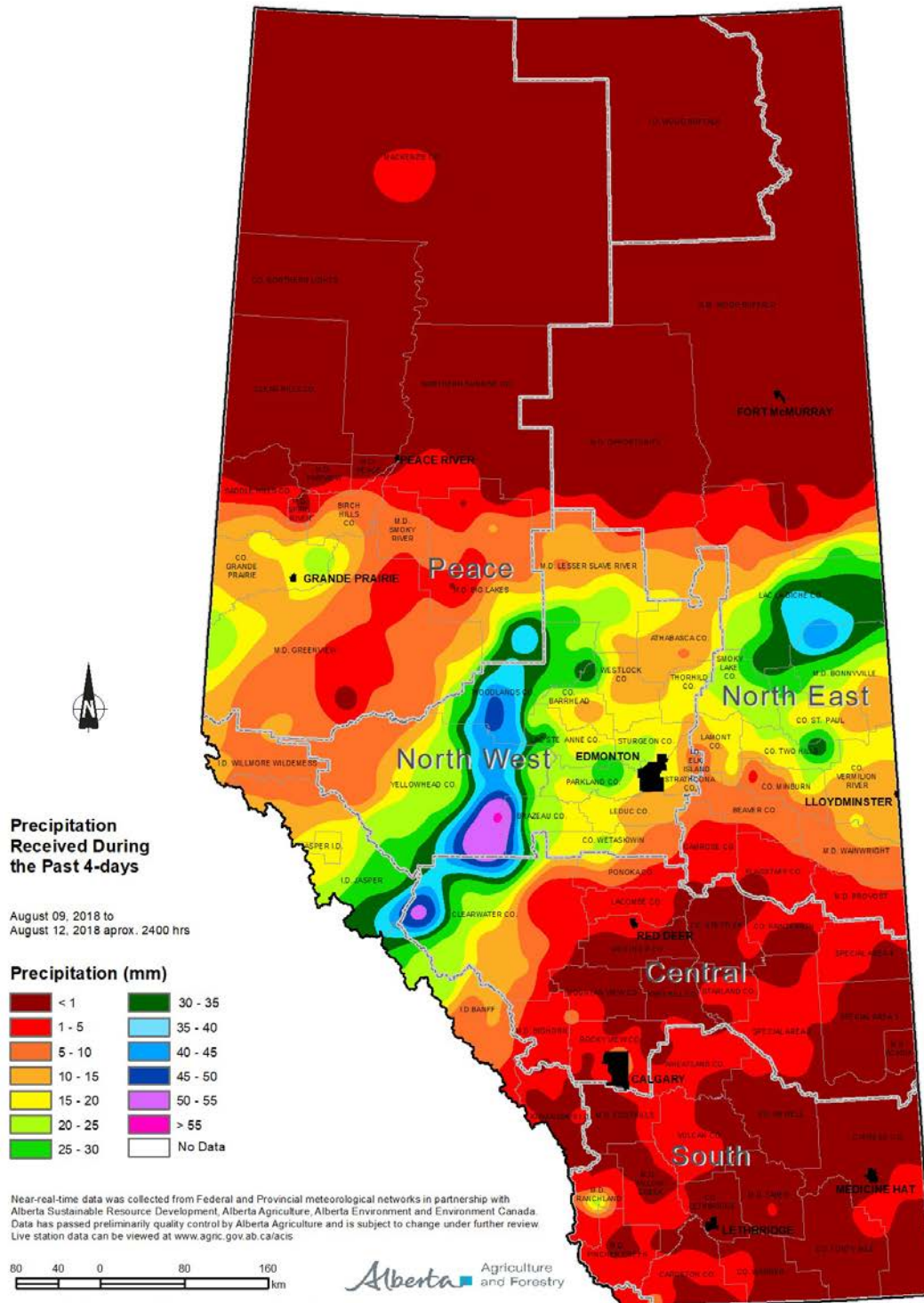
**Near-real-time hourly station** data can be viewed/downloaded at [www.agriculture.alberta.ca/stations](http://www.agriculture.alberta.ca/stations)

**Note:** Data has about a two hour lag and is displayed in MST.

Ralph Wright  
Manager, Agro-meteorological Applications and Modelling Section  
Alberta Agriculture and Forestry  
Phone: 780-446-6831

# Moisture Situation Update – August 12, 2018

## Map 1

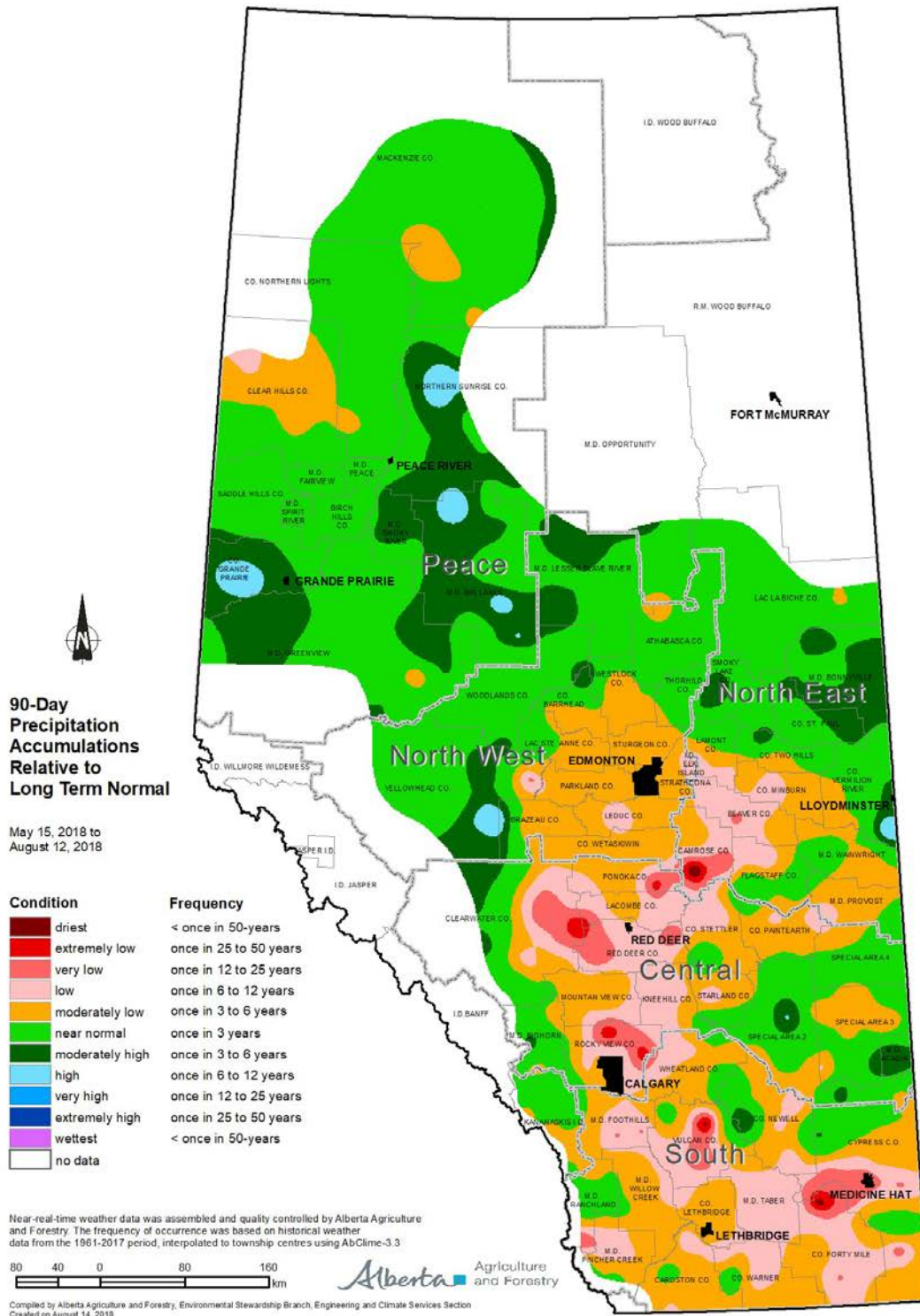


Compiled by Alberta Agriculture and Rural Development, Environmental Stewardship Division, Technology and Innovation Branch  
 Created on August 14, 2018

Visit [weatherdata.ca](http://weatherdata.ca) for additional maps and meteorological data

# Moisture Situation Update – August 12, 2018

## Map 2



Visit [weatherdata.ca](http://weatherdata.ca) for additional maps and meteorological data