



# Agricultural Moisture Situation Update

## August 28, 2022

### Synopsis

Since the last report further rains have fallen across large parts of Southern Alberta and through much of the extreme western portions of the Central and North West regions, bringing meaningful moisture (> 20 mm) over the past week and a half (**Map 1**). Elsewhere many other areas received at least 5-10 mm, which may have helped alleviate immediate moisture concerns on still growing crops. In sharp contrast, conditions have remained very dry along a wide band from Edmonton to Red Deer, through the St Paul area in the North East Region, through parts of the western and extreme northern Peace Region, as well as the south-eastern parts of the province.

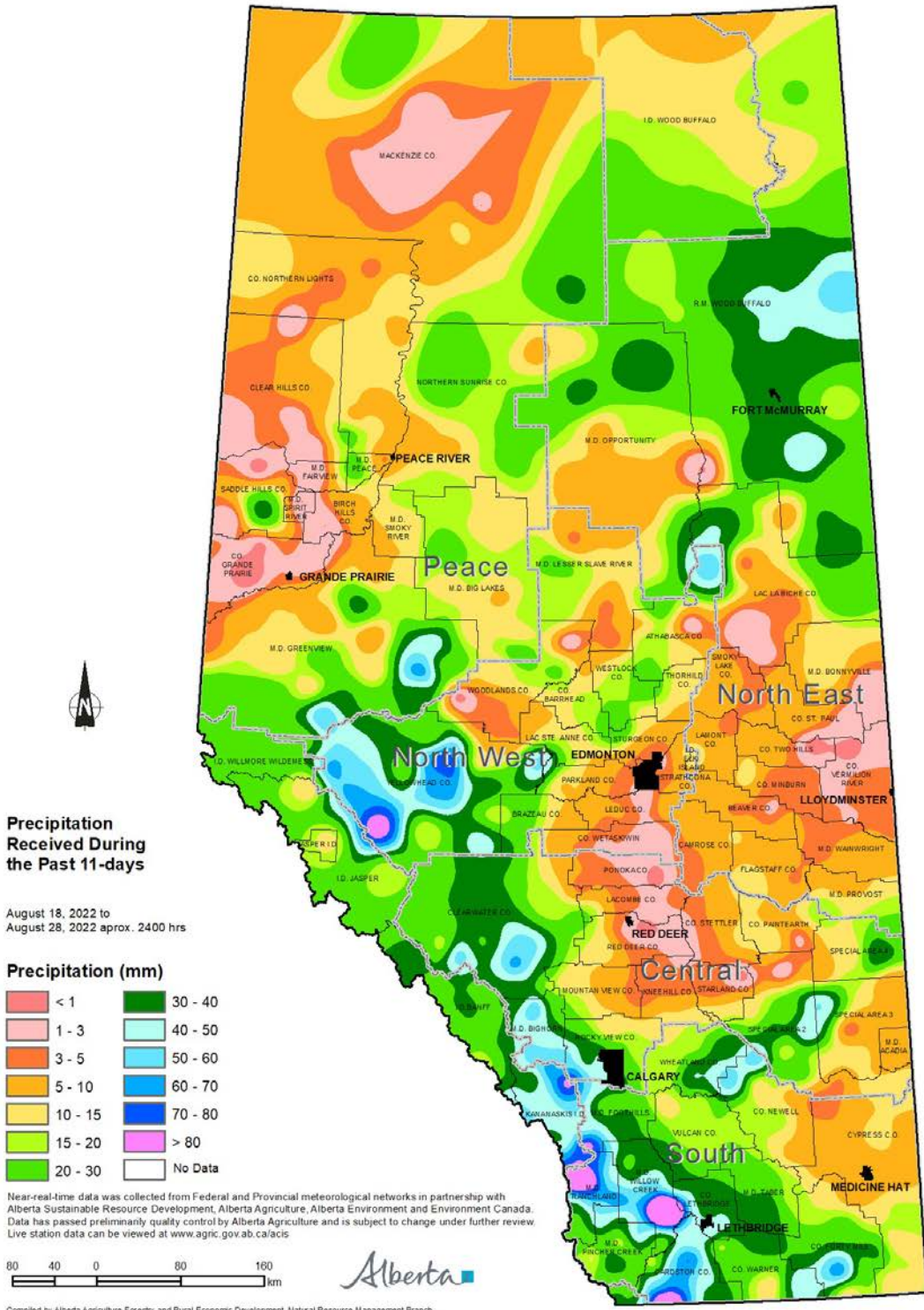
### Perspective

Since July, most areas have experienced well above normal temperatures (**Map 2**) accompanied by a marked drying trend during the last 60 days (**Map 3**). This has sparked concern of moisture stress, particularly in pastures and on hay land. However, June which is typically the wettest month of the year in Alberta, was wetter than normal (**Map 4**). This likely provided enough moisture to help see most crops through the above average temperatures that have persisted since the start of July.

While July and August have been relatively hot (**Map 2**) and dry (**Map 3**), Most lands province wide have received over 100 mm of rain during this timeframe, (**Map 5**) which combined with generous June rains (**Map 3**) was enough to keep serious moisture stress at bay. This is supported by the August 23, 2022 [crop report](#) which estimates that 69% of “all crops” to be in “good to excellent” condition, ahead of the 5-year (55%) and 10-year (63%) averages.

Despite this, some areas in the province are currently very dry and moisture stress may be a looming or ongoing concern, with many widely scattered areas receiving less than 80 mm over the past 60-days (**Map 5**) (Dark green) Furthermore, within each of the 4 agriculture regions, there are some extremely dry areas which have received less than 60mm (yellow to orange) over the past two months. Rain is needed now in these areas to help build soil moisture reserves ahead of winter and give perennial crops a much needed boost while they are still actively growing.

# Map 1



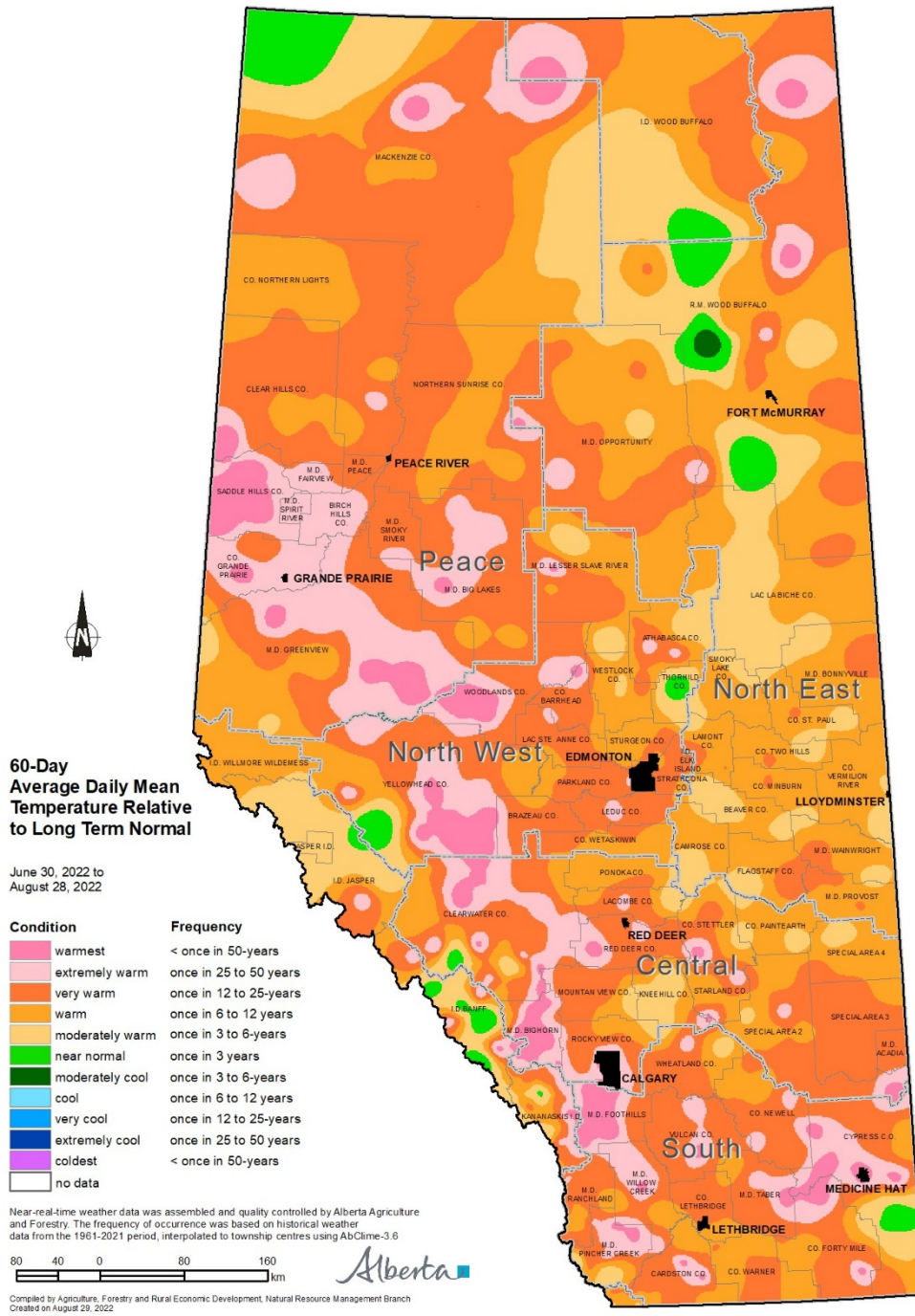
Visit [weatherdata.ca](http://weatherdata.ca) for additional maps and meteorological data

<https://open.alberta.ca/publications/moisture-situation-update>

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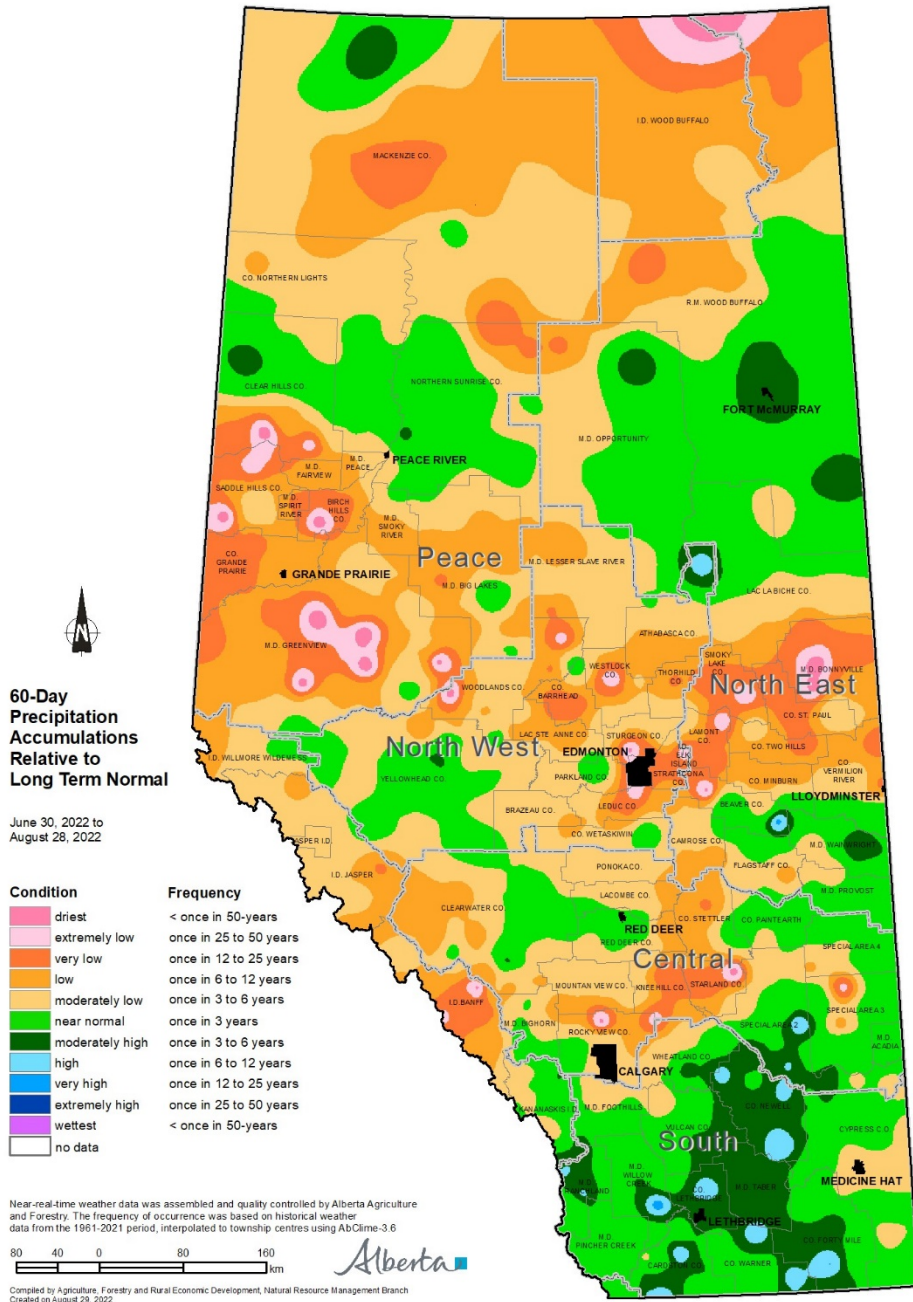
# Map 2



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

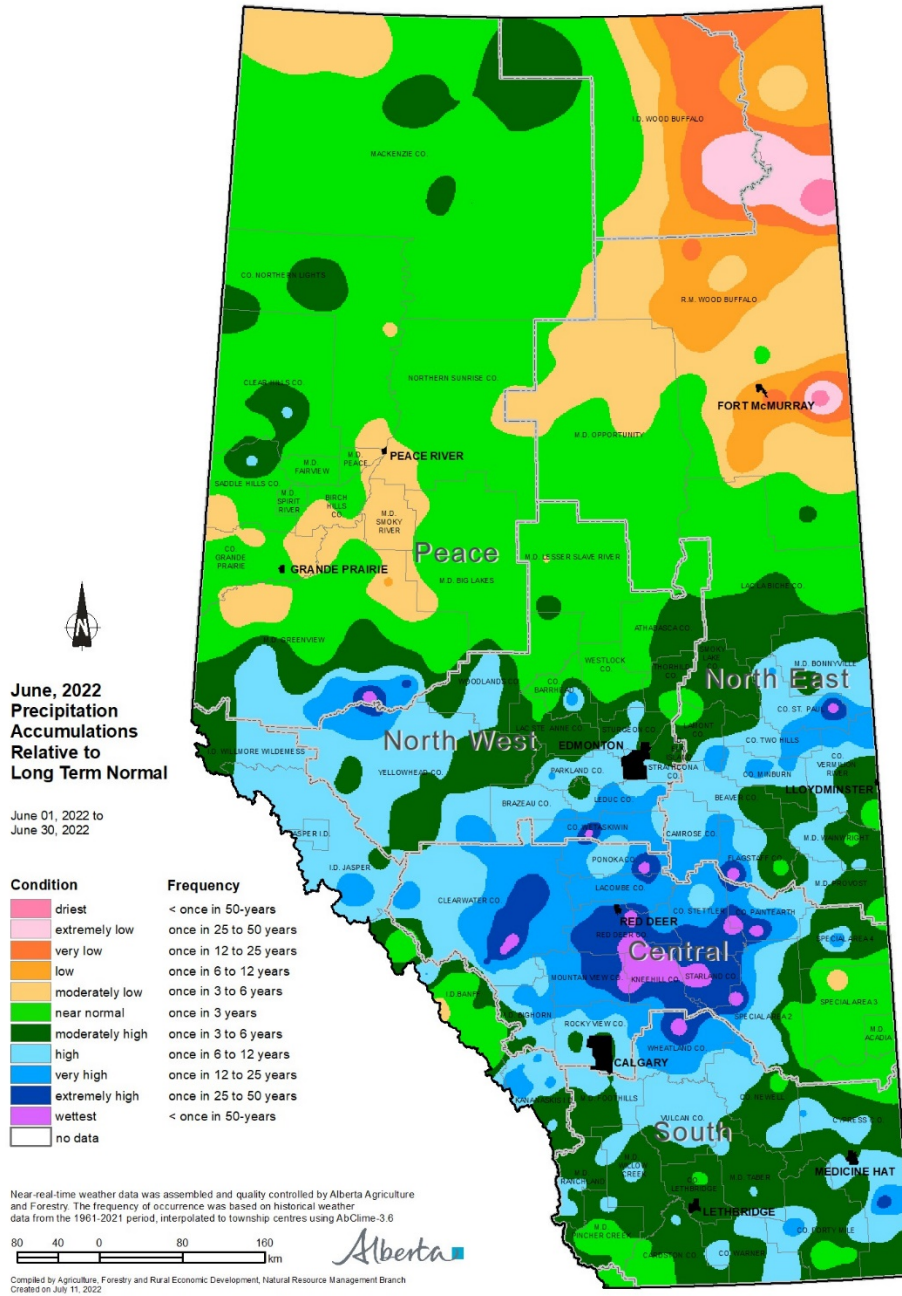


# Map 3



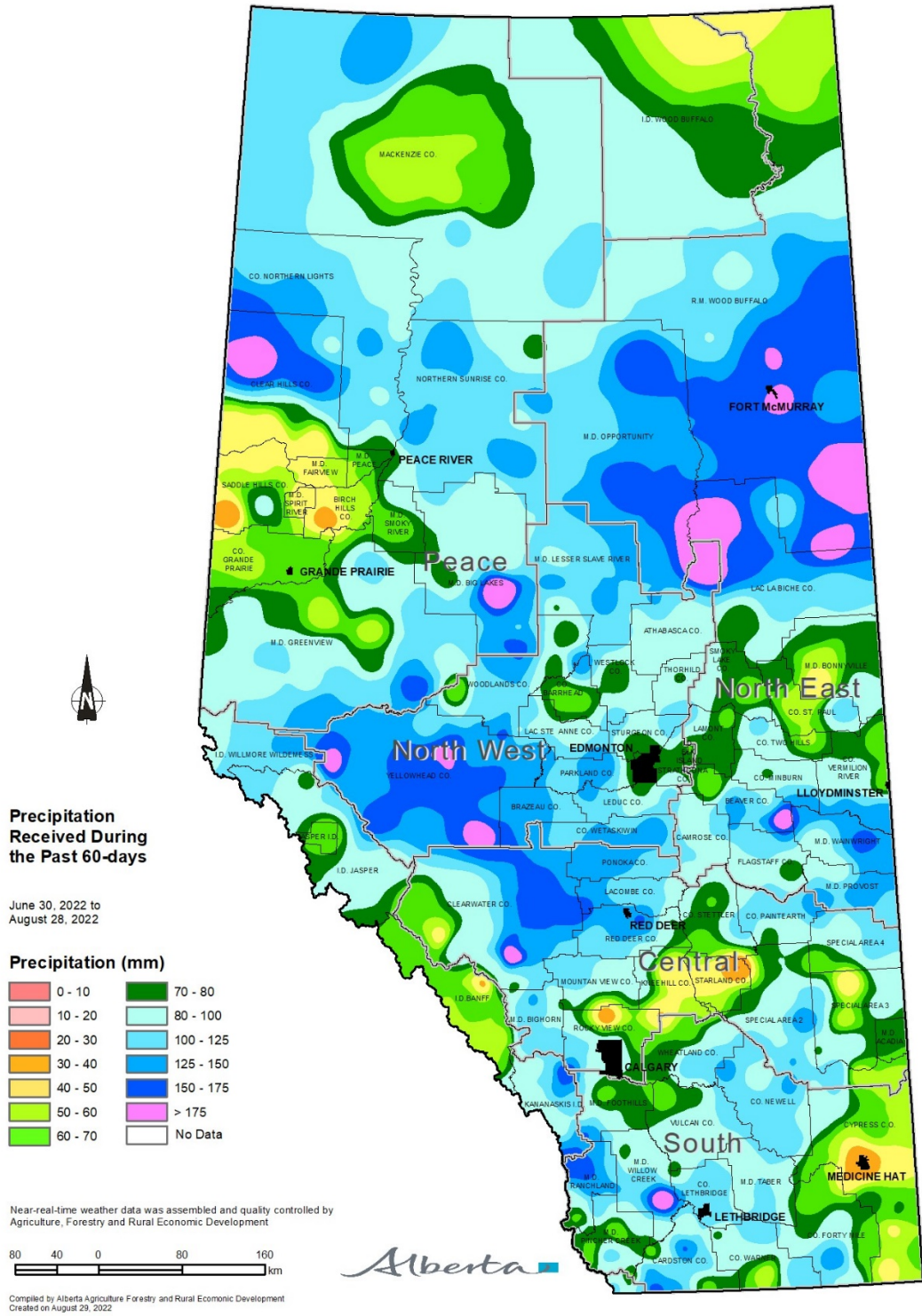
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# Map 4



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

# Map 5



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