

## **Alberta Fire Behaviour Advisory**

**Issued:** September 11, 2017

**For period:** September 12, 2017

### **Calgary Forest Area:**

Yesterday's cold front will approach and may pass over the Crow and Waterton zone today. It is being stalled by a strong upper atmosphere pressure gradient that is generating strong upper level winds. The area south of the cold front will continue to have warm temperatures at 25 degrees celsius and humidity's in the 15 to 20% range. Winds will continue to be very brisk at W – SW, 35 to 45 km/hr sustained with gusting to 60-70 km/hr. This will again force the fire danger indices into extreme levels. While a weather change is forecast after the 12<sup>th</sup>, fire danger on September 12 will be very high to extreme. In particular, Initial Spread Index (ISI) values will be in the very high to extreme range and this, coupled with the already extreme Build Up Index (BUI) values will boost the Fire Weather Index to extreme levels. FWI values of over one hundred have been recorded for a number of days now and this day will be similar.

North of the Crow region the cold front passage has allowed moist cool air into the Province bringing showers and higher humidity's. This cold front represents a shift in fire danger for the Province for the near future as fire danger values drop across the Province. Precipitation is also forecast for the Crow and Waterton zone, but not within the period for this advisory. Forecast temperatures are low enough that this precipitation may fall as wet snow at elevation. Fire danger levels north of the Crow area are generally now at moderate to low, although some pockets still persist with high to very high BUI's. Drought Codes continue to be high to extreme across most of northern Alberta and this will prolong existing fire mop up, and may cause a return of high fire danger conditions if warm temperatures continue into September.