August 2018 was another warm and dry month across Northern New York and Vermont with no major weather events to speak of. High pressure was overall in control, precipitation was on the light side and irregular in coverage from scattered showers and thunderstorms occasionally. There was no flooding reported. Around 1.5 - 6.5” of rain fell during the month, lowest totals North and highest totals South (see Figure 2). Most of the region had precipitation well below normal, with the exception of Rutland and Windsor Counties in Vermont which were above normal (see Figure 3). The entire area experienced temperatures well above normal (see Figure 1). In fact, August was the warmest on record at Burlington with a mean temperature of 74.5°. It was the second warmest August on record at both Montpelier and Massena with mean temperatures of 68.3° and 71.9° respectively. The areal coverage of drought increased across the region, and was also upgraded to D2 in some areas (see Figure 5).

Figure 1: Monthly mean temperature departure (August 2018)
Figure 2: Monthly precipitation totals (August 2018)

Figure 3: Monthly precipitation departure from normal (August 2018)
Figure 4: Monthly precipitation percent of normal (July 2018)
Figure 5: Drought status as of 4 September, 2018

Figure 6: Map of monthly streamflow compared to historical streamflow for the month of August 2018