Wildland Fire Management Current Drought Impacts

Fire Statistics

•939 Fires YTD for 686.4 Acres burned, 220 DCR Fire responses

•June: 116 Fires

•July: 55 Fires

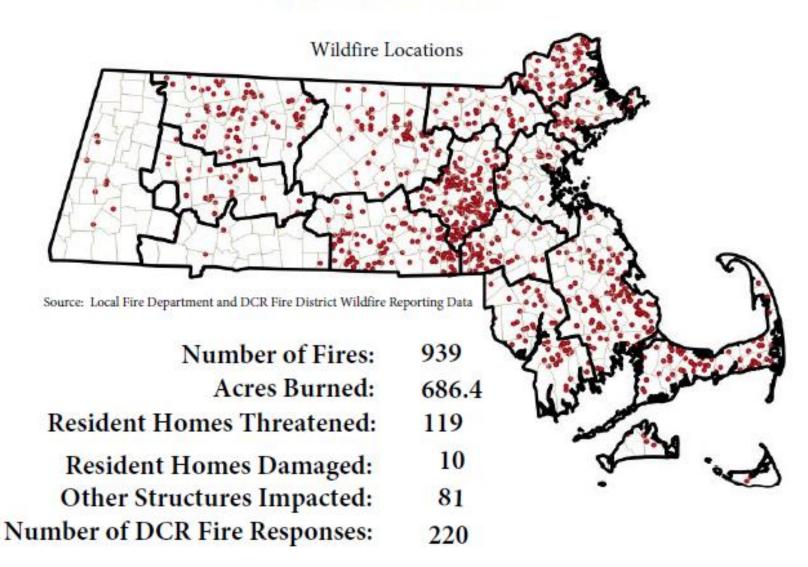
August: 105 Fires

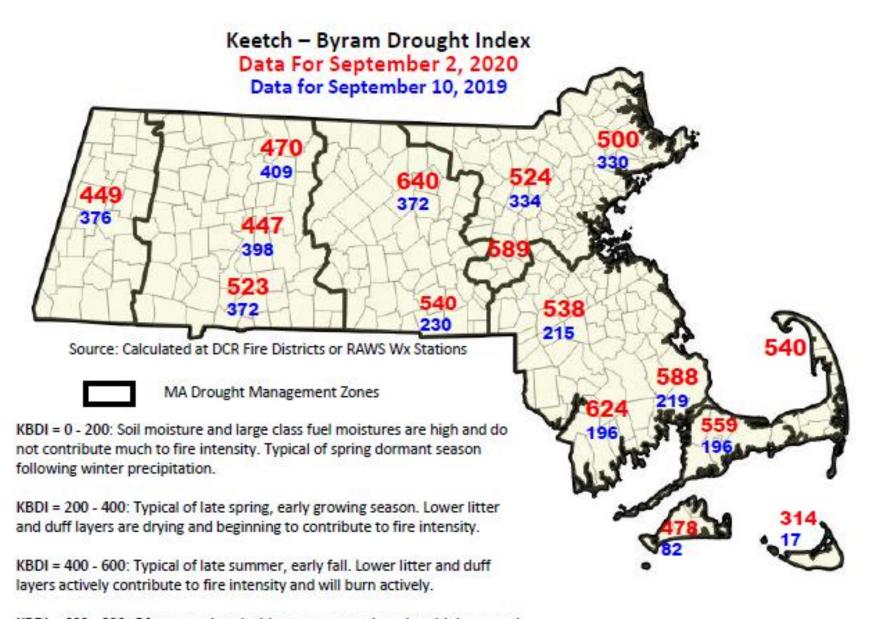
- •Grinding Rockhill Fire- Middlesex Fells Res. : 3 Acres going 8-13 ongoing
- •Copicut Woods Fire- Fall River: 8.5 Ac, 7-16, finally declared out
- •Tully MT Fire Orange: .5 Ac, Started on 8-10, ongoing in monitor status
- •Ashley Res. Fire: Holyoke Watershed, .5 Ac started 8-26 in monitor status

Drought Impacts on Fire Behavior and Suppression:

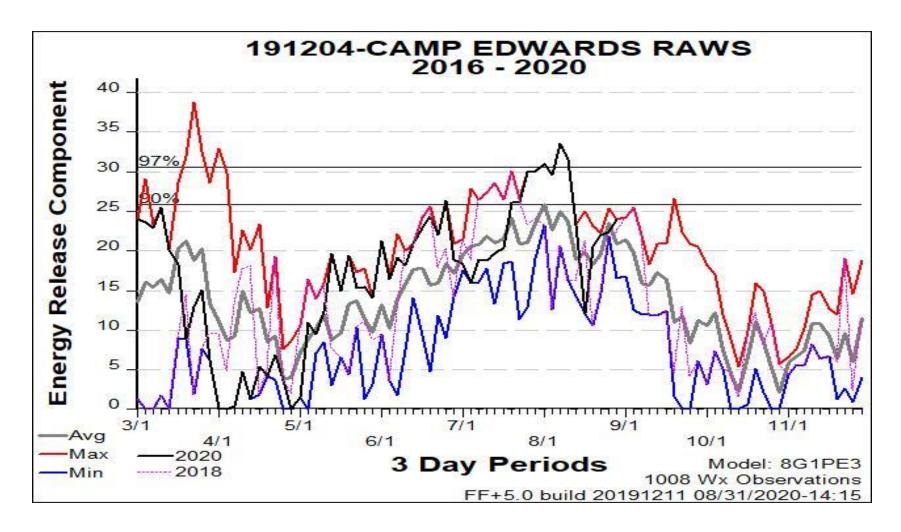
- •Scattered precip events, slight improvement in CT River Valley/Berkshire
- •Main area of concern is Southeast / Southern Bristol County.
- Grass and shrub fuels showing drought stress in SE
- Moisture has not impacted critically dry duff layer and ground fuels.
- •Lightning remains a real concern for new starts due to dry ground fuels.
- •All fires with extended burn time from ignition are multi day incidents.
- •Concerns shifting to potential fall fire season conditions.

MASSACHUSETTS WILDFIRE OCCURRENCE MAP Year to Date 8-31-20





KBDI = 600 - 800: Often associated with more severe drought with increased wildfire occurrence. Intense, deep burning fires with significant downwind spotting can be expected. Live fuels can also be expected to burn actively at these levels.



The energy release component (ERC) is a number related to the available energy (BTU) per unit area (square foot) within the flaming front at the head of a fire. Daily variations in ERC are due to changes in moisture content of the various fuels present, both live and dead.



Concerns for Fall Fire Season

- Continued Precip Deficits
- Continued Dry Ground Fuel Conditions (KBDI)
- Leaf Drop increasing surface fuel loading.
- Above average Temps.
- Typical drier air masses
- Historical Fall Fire Occurrence as Reference