

Wildland Fire Management Current Drought Impacts

•Fire Statistics

•775 Fires YTD for 1,520 Acres burned, 207 DCR Fire responses

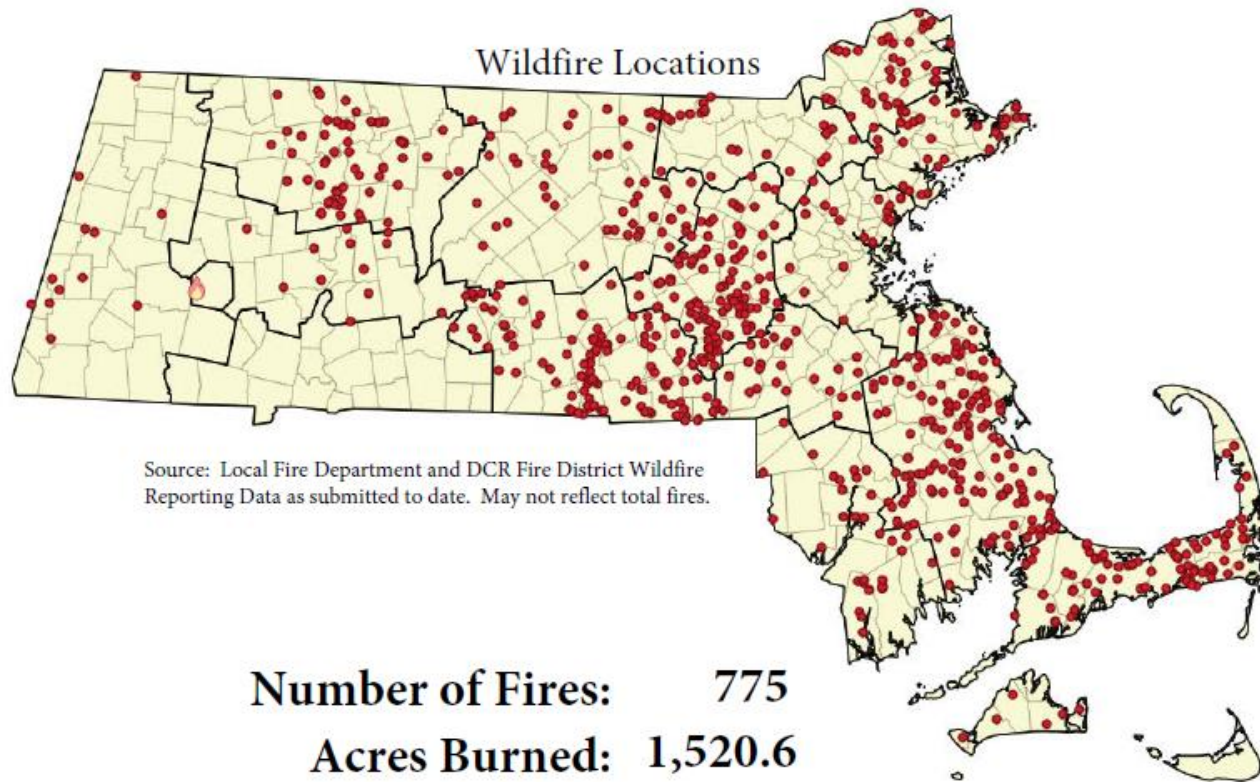
- January: 17 Fires
- February: 4 Fires
- March: 308 Fires
- April: 324 Fires
- May: 123 Fires

•Drought Impacts on Fire Behavior and Suppression:

- Low KBDI has minimized deep burning fire behavior
- Seeing residual 2020 drought effects in larger surface fuels up to 4-8" class.
- Period of low live fuel moistures in middle of May.
- Fire Tower operations working to assist towns with early detection, helping FD's with keeping fires small.
- East Mountain Fire in Williamstown closed out at 947 acres.

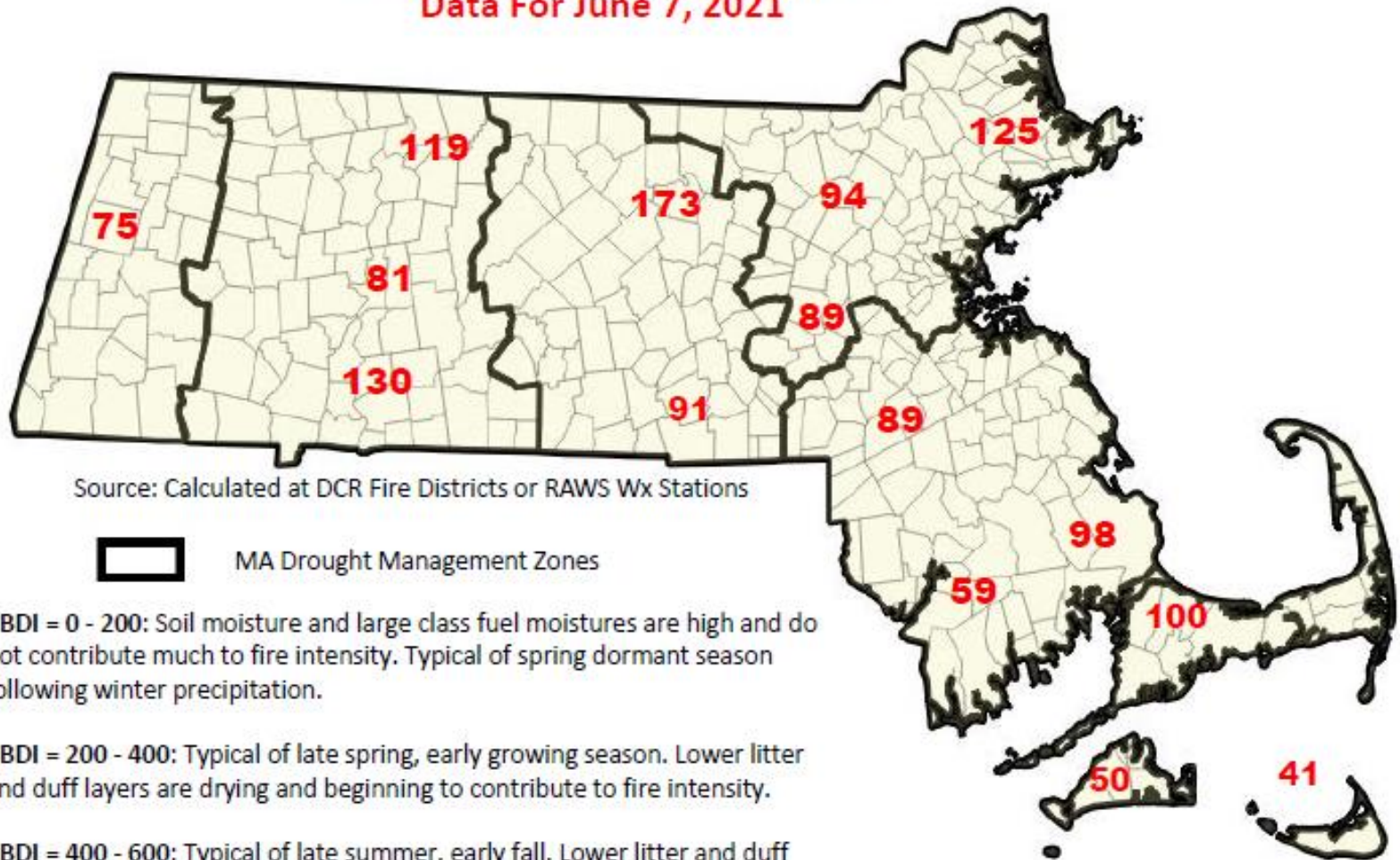
MASSACHUSETTS WILDFIRE OCCURRENCE MAP

Year to Date 6-1-21



| | |
|--------------------------------------|----------------|
| Number of Fires: | 775 |
| Acres Burned: | 1,520.6 |
| Resident Homes Threatened: | 302 |
| Resident Homes Damaged: | 13 |
| Other Structures Impacted: | 95 |
| Number of DCR Fire Responses: | 207 |

Keetch – Byram Drought Index Data For June 7, 2021



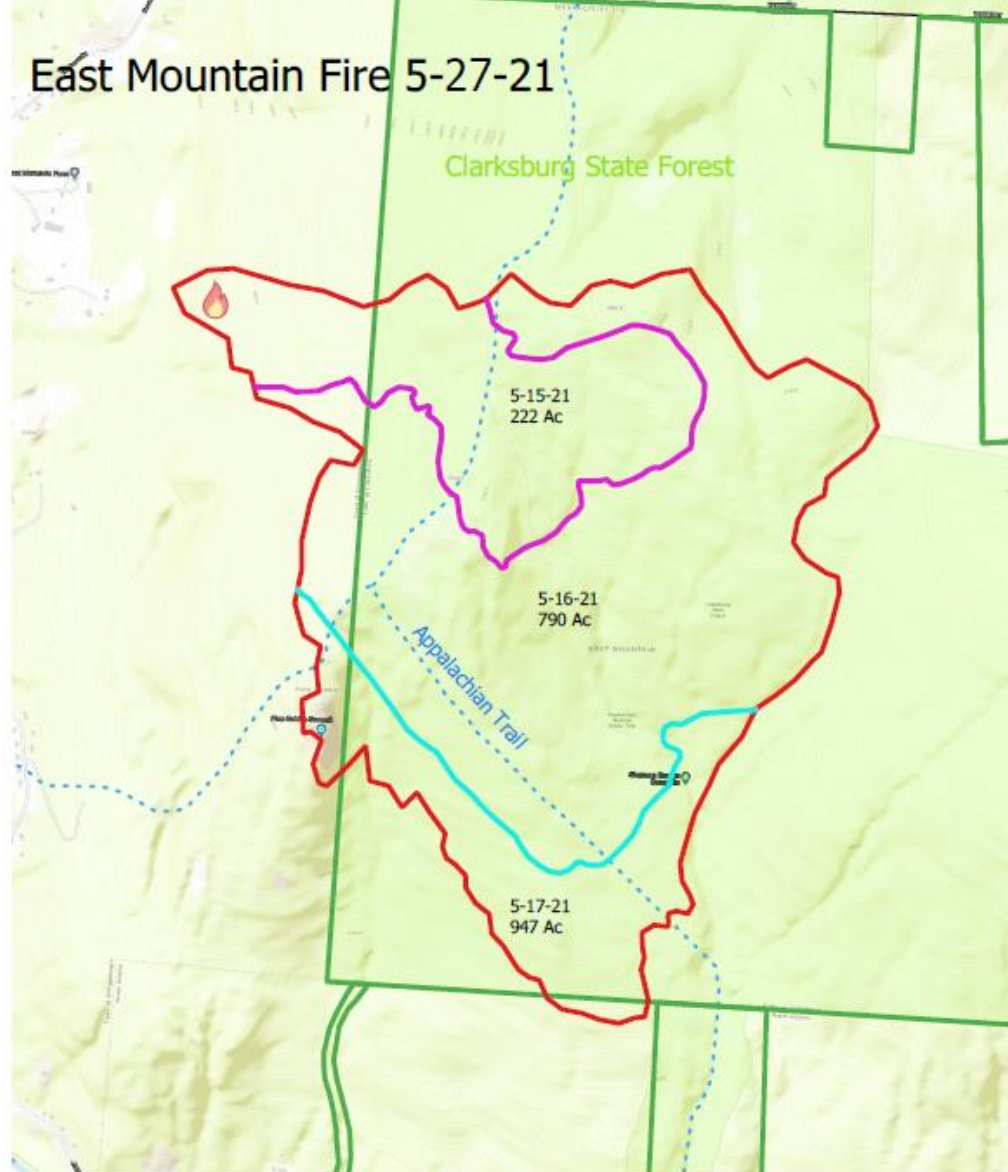
KBDI = 0 - 200: Soil moisture and large class fuel moistures are high and do not contribute much to fire intensity. Typical of spring dormant season following winter precipitation.

KBDI = 200 - 400: Typical of late spring, early growing season. Lower litter and duff layers are drying and beginning to contribute to fire intensity.

KBDI = 400 - 600: Typical of late summer, early fall. Lower litter and duff layers actively contribute to fire intensity and will burn actively.

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.

East Mountain Fire 5-27-21



Start Date: 5-14-21
Size: 947 Ac
Containment: 100%
Cause: Unknown



0 1,000 2,000 3,000 ft



