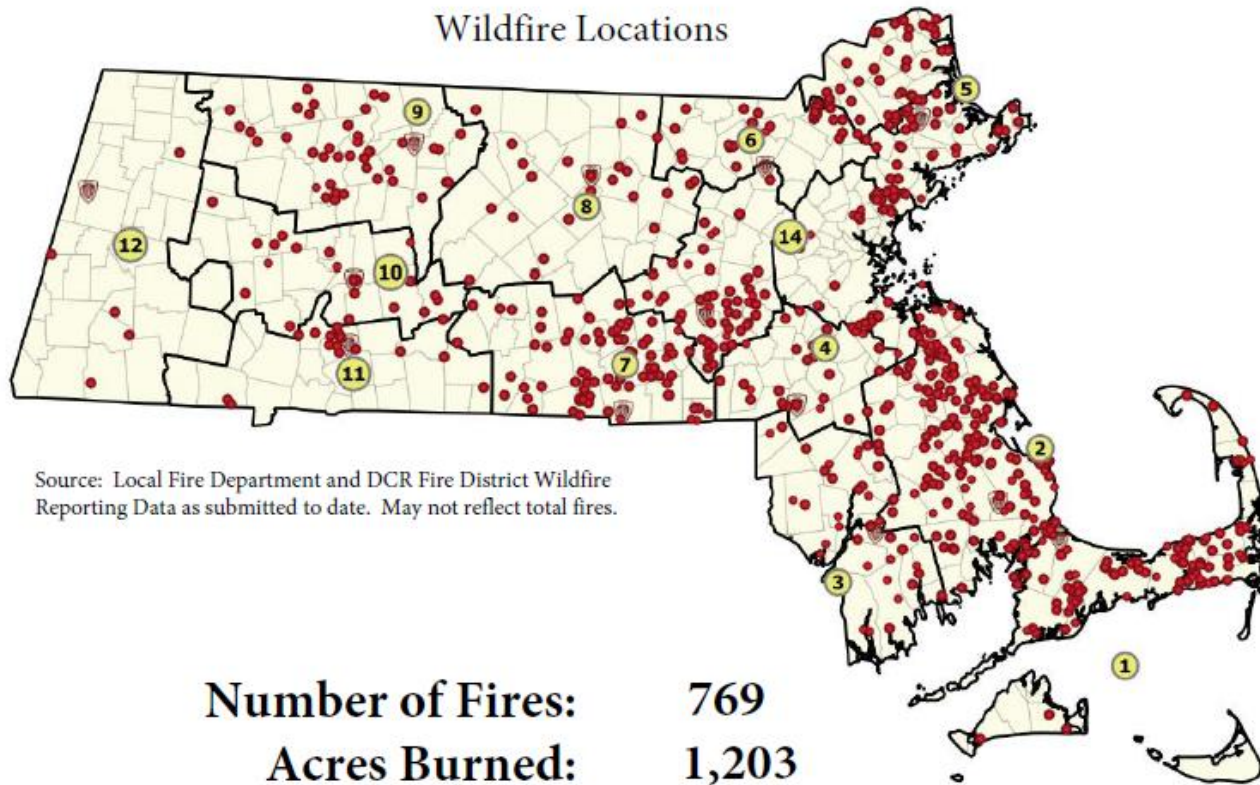


MASSACHUSETTS WILDFIRE OCCURRENCE MAP

Year to Date 8-7-22

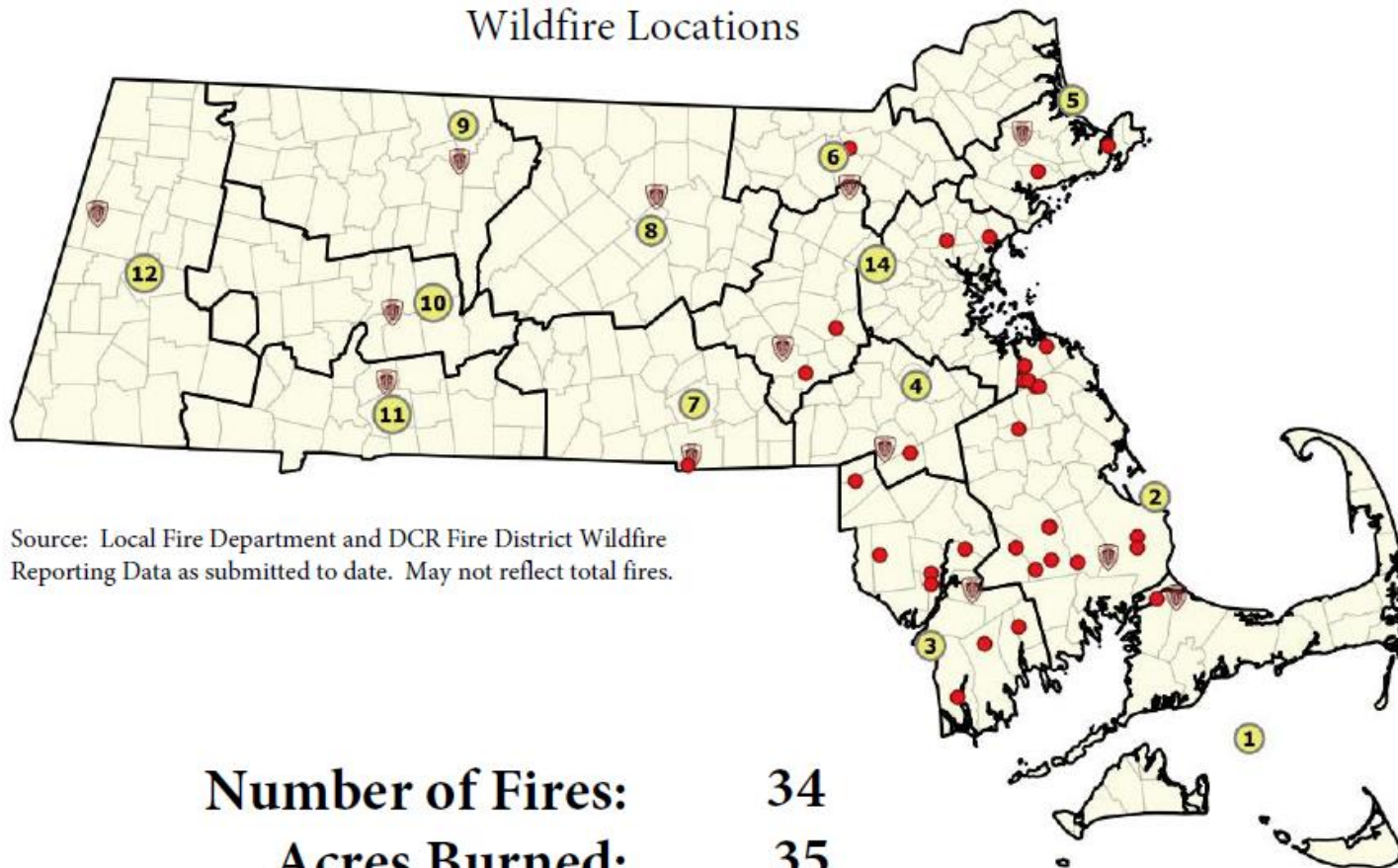


Number of Fires:	769
Acres Burned:	1,203
Resident Homes Threatened:	57
Resident Homes Damaged:	0
Other Structures Impacted:	34

MASSACHUSETTS WILDFIRE OCCURRENCE MAP

August To Date 8-7-22

Wildfire Locations



Source: Local Fire Department and DCR Fire District Wildfire Reporting Data as submitted to date. May not reflect total fires.

Number of Fires: 34

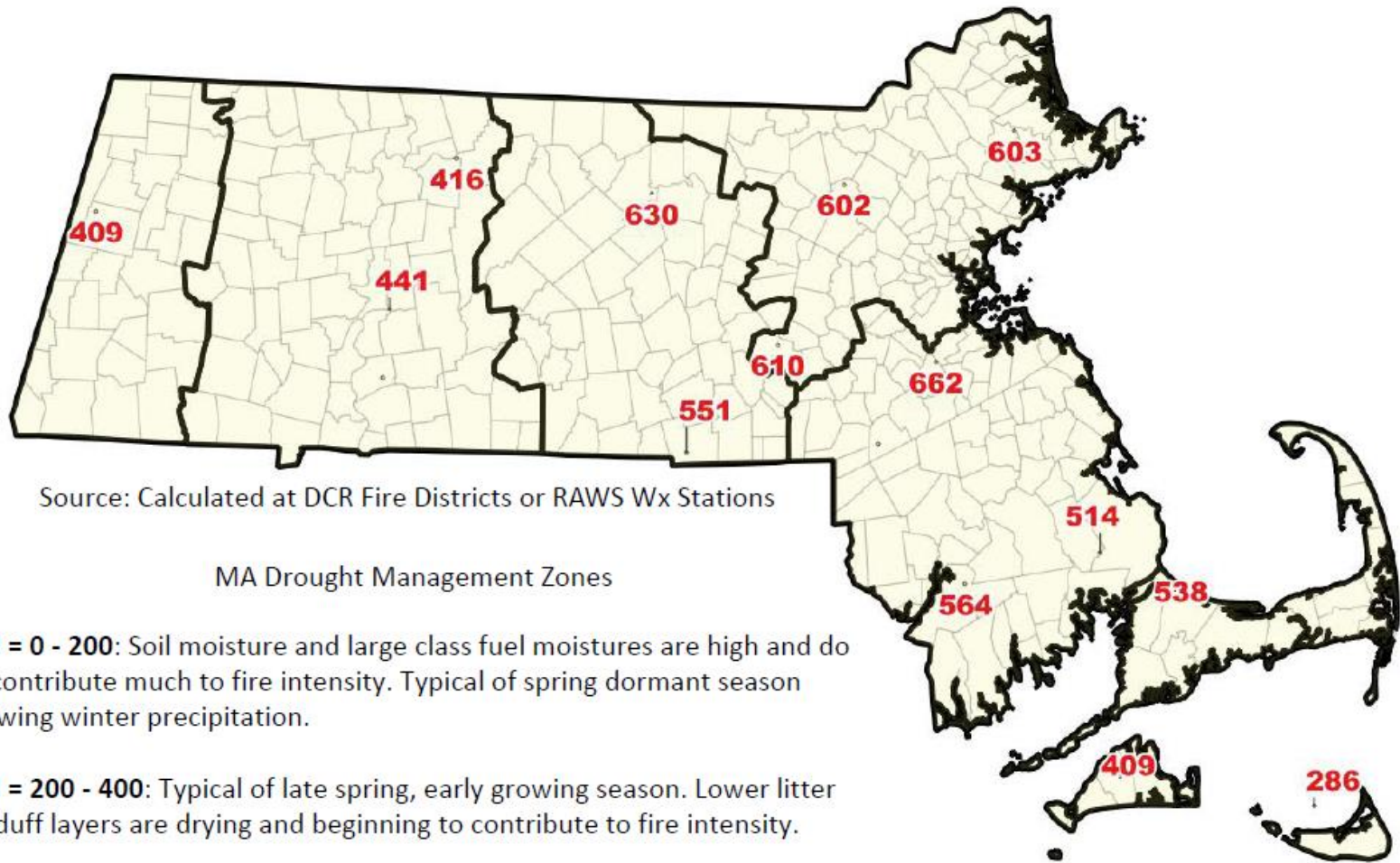
Acres Burned: 35

Resident Homes Threatened:

Resident Homes Damaged:

Other Structures Impacted: 34

Keetch – Byram Drought Index Data For August 7, 2022



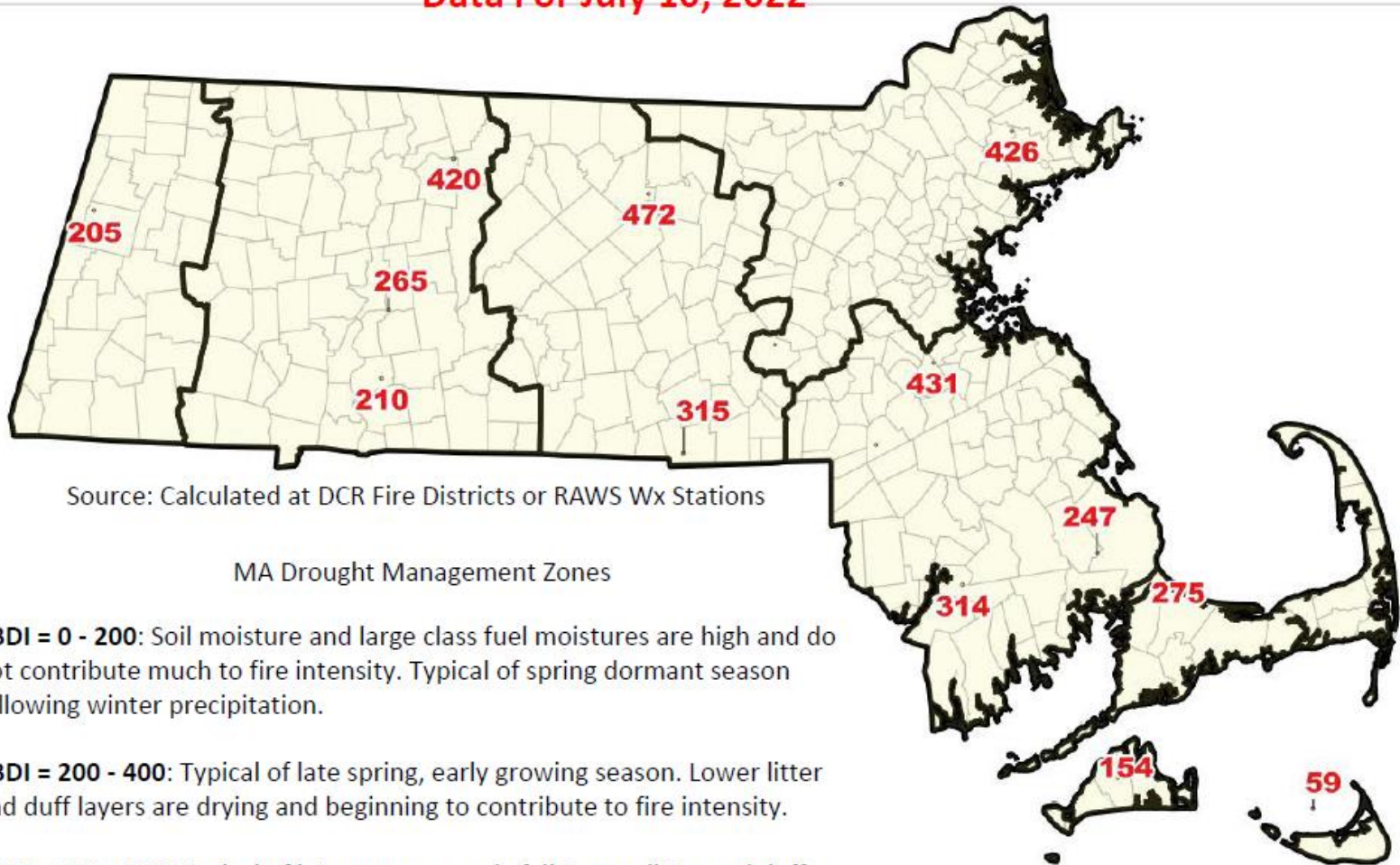
KBDI = 0 - 200: Soil moisture and large class fuel moistures are high and do not contribute much to fire intensity. Typical of spring dormant season following winter precipitation.

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.

Keetch – Byram Drought Index Data For July 10, 2022



Source: Calculated at DCR Fire Districts or RAWS Wx Stations

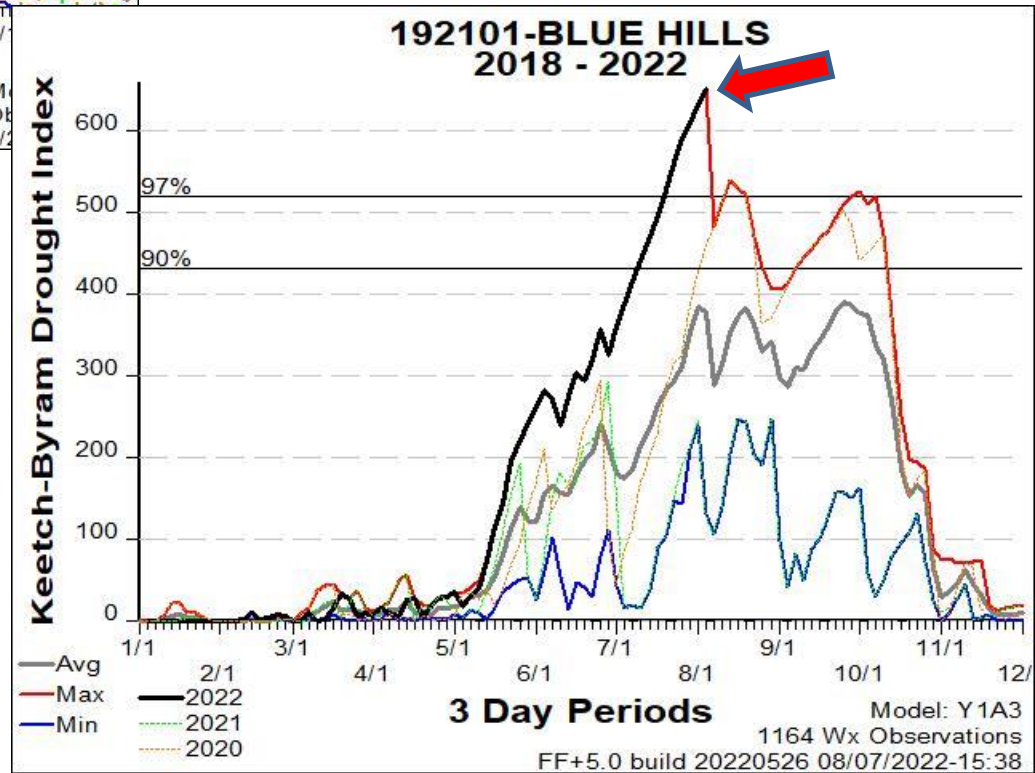
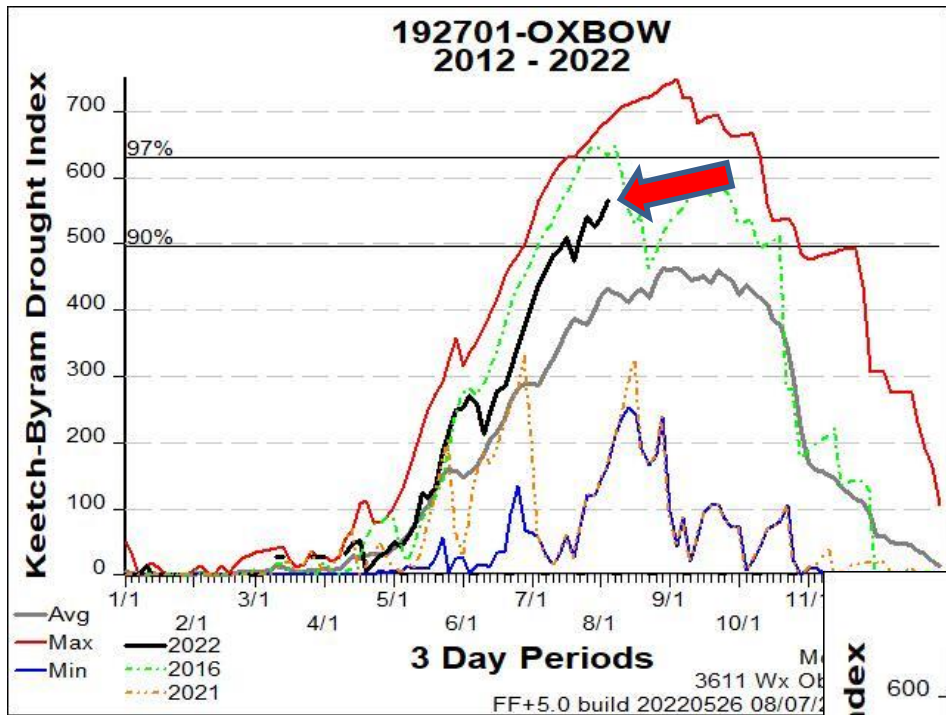
MA Drought Management Zones

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.

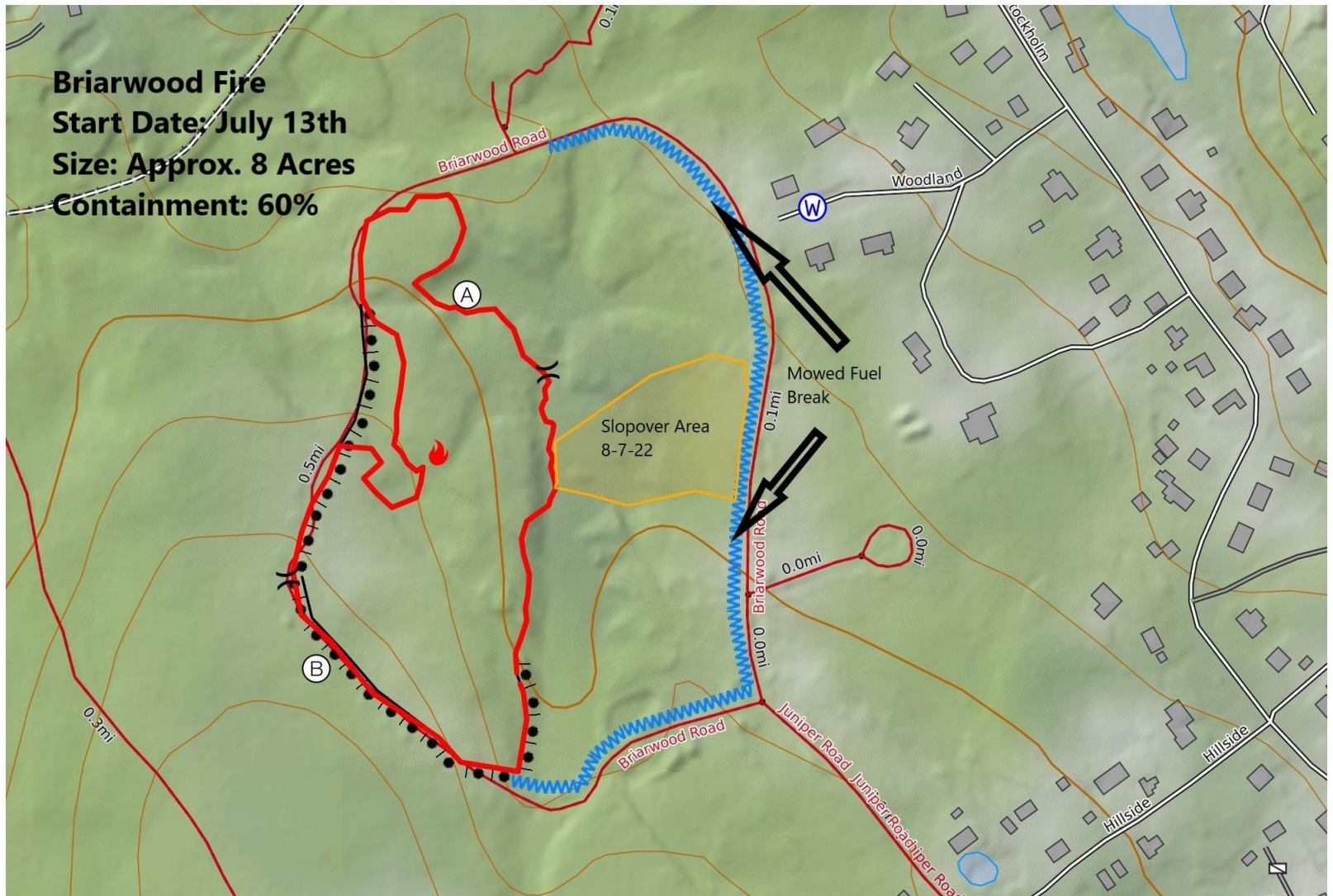
KBDI = 200 - 400: Typical of late spring, early growing season. Lower litter and duff layers are drying and beginning to contribute to fire intensity.

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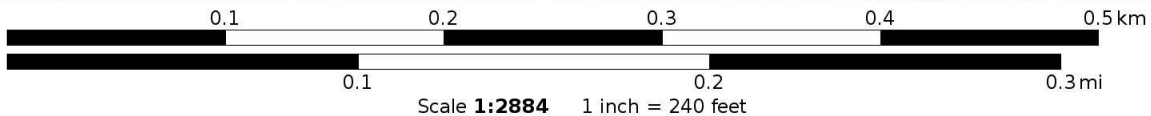


Briarwood Fire- Rockport, MA



Briarwood Fire
Start Date: July 13th
Size: Approx. 8 Acres
Containment: 60%

Mercator Projection
WGS84
UTM Zone 19T
 SARTOPO

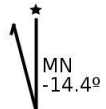
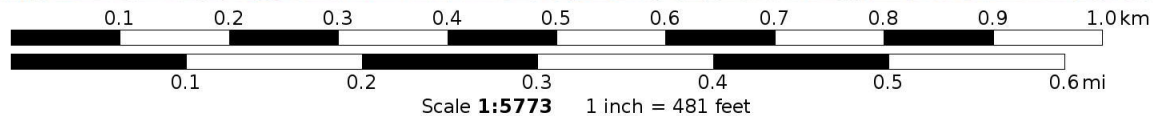




Sunset Hill Fire- Gloucester, MA 15 Acres 60% Contained



Mercator Projection
WGS84
UTM Zone 19T
 SARTOPO





Wildland Fire Management Current Drought Impacts

•Drought Impacts on Fire Behavior and Suppression:

- KBDI Fire Drought indices at near 97th percentile in eastern areas Districts showing increase in control challenges.
- All Fires burning into ground 10 - 15” into parched soil layers.
- Live fuels showing serious drought stress Northeast to Southeast areas. Live fuel moistures critical in some areas and contributing to fuel loads.
- Most fires with any advanced burning time will become extended operations over several days. Increase risk to firefighter safety, and capacity stress on resources.
- Demand for aviation tactics may increase on an incident by incident basis. Based on values at risk and risk to firefighter safety.
- Smoke effects from extended drought fires will increase.

Wildland Fire Management Current Drought Impacts

Changing Tactics as Conditions get worse:

- Indirect attack when engaging dangerous fire behavior. High BTU output.
 - Anchor fires to existing barriers..... Roads, Trails,
 - Well planned, strategic burnout operations.
- Mowing Fuel breaks for stronger holding potential.
- Use of Helicopter bucket drops.



THANK YOU

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