

Massachusetts DCR Bureau of Forest Fire Control







2020 Fire Season – Not So Normal!



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DCR Bureau of Forest Fire Control and Forestry

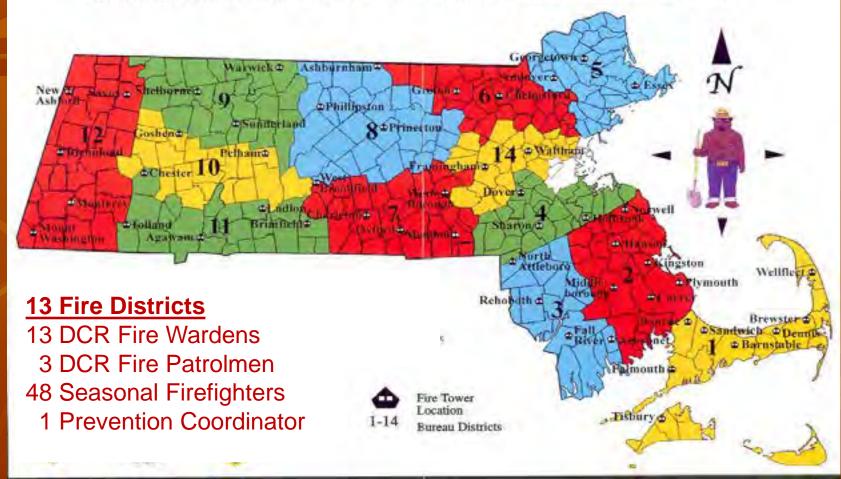
Forest Fire Control Responsibilities

Providing aid and assistance in the prevention, detection and suppression of forest fires to cities and towns since 1911.

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DCR Bureau of Forest Fire Control

Massachusetts Bureau of Forest Fire Control Districts and Tower Network



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DCR Bureau of Forest Fire Control Staffing

13 District Fire Wardens
3 District Patrolmen
48 Seasonals April through September
1 Prevention Coordinator

Bureau of Forest Fire Control Services

- Wildfire Response to Cities and Towns
- State Wildfire Occurrence Reporting
- Fire Detection / Fire Tower Network
- Prescribed Fire on State and Partnership Lands
- MEMA State Resource
- Federal Excess Property Program/VFA
- Wildfire Crew / National Mobilization
- Wildfire Training
- Fire Danger Rating / Fire Weather Intel
- State Drought Management Task Force
- DCR Parks and Forestry Operational Support

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DCR Forest Fire Control Fire Tower Operations
42 Fire Towers Statewide
Fire Detection -Staff 22 fire towers statewide





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DCR Bureau of Forest Fire Control Specialized Resources

DCR / MANG Air Operations for Fire Fighting

- **State Air Ops MOU**
- **DCR Role:**
 - Provide on site Assessment of need.
 - Air to Ground Coordination and Communication.

DCR Bureau of Forest Fire Control

Federal Excess Property Program

- U.S. Forest Service Fire Program
 Delivered by State Forester
 Provides Surplus Equipment to
- State Agency, and Municipalities

-2015..... <u>\$ 6.5 million</u> in equipment value provided to Massachusetts cities and towns by DCR.

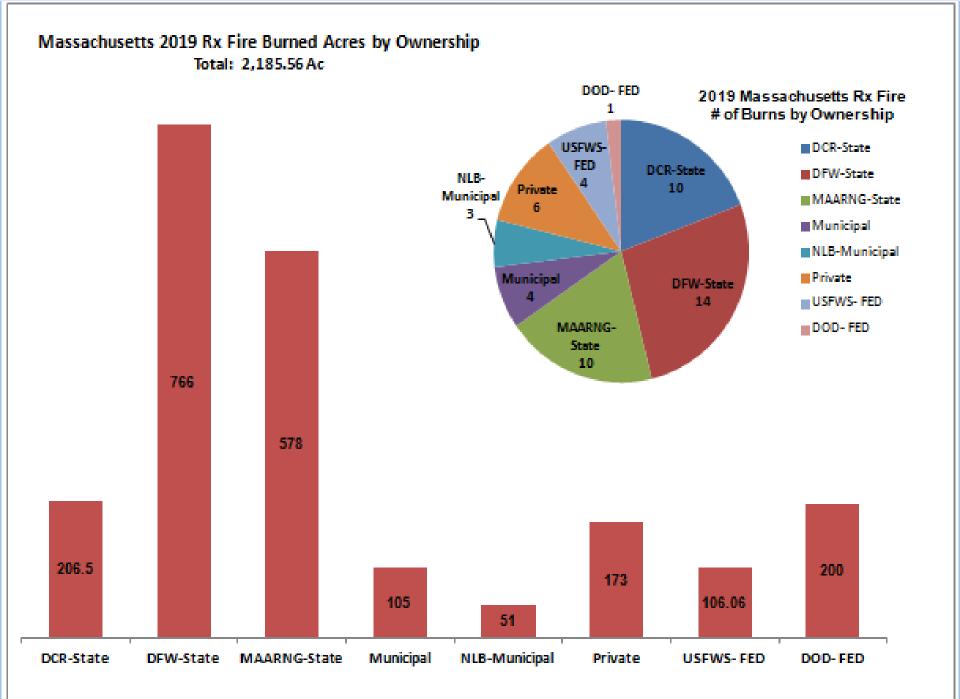




Hazardous Fuels Mitigation and Ecosystem Restoration Project / <u>PRESCRIBED FIRE</u>

- Over 2,100 acres of Prescribed fire applied to the landscape on state and partnership lands in 2019 for the purpose of Hazard Mitigation or Ecosystem Restoration.
- DCR has over 1,800 acres in burn plans ready for implementation in Myles Standish SF, Freetown SF, Quabbin Resv., and Manuel Correllus SF
- Success through a cooperative partnership with MA Fish and Wildlife





DCR Bureau of Forest Fire Control Park Operations Assistance

- Townsend SF / Willard Brook SF
 - Over 13 Miles of Forest Rd Improvements
- Shawme Crowell SF
 - **8** Miles of Fire Rd maintenance
- Statewide Response to multiple State Park storm damage needs.
- Assistance with excessive visitor / crowd / vehicle parking management.
 - Bash Bish Falls Barriers
- **Gill Bliss SF Cummington**
 - Rescue Access issue





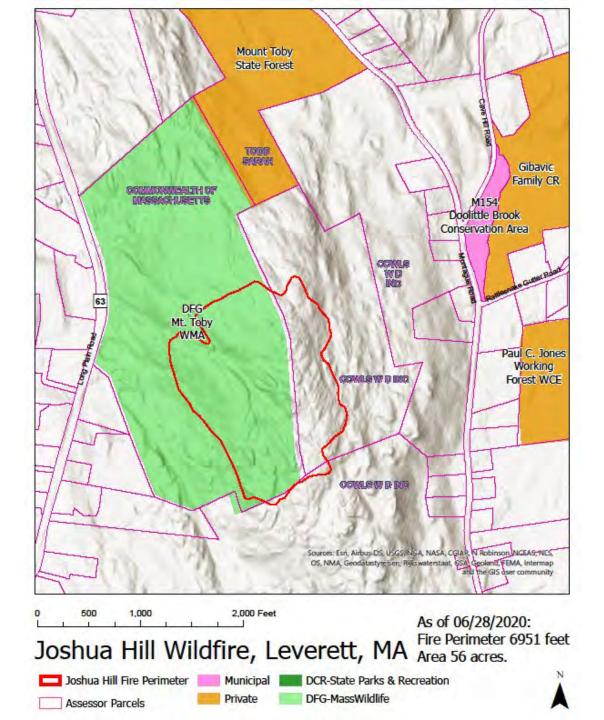


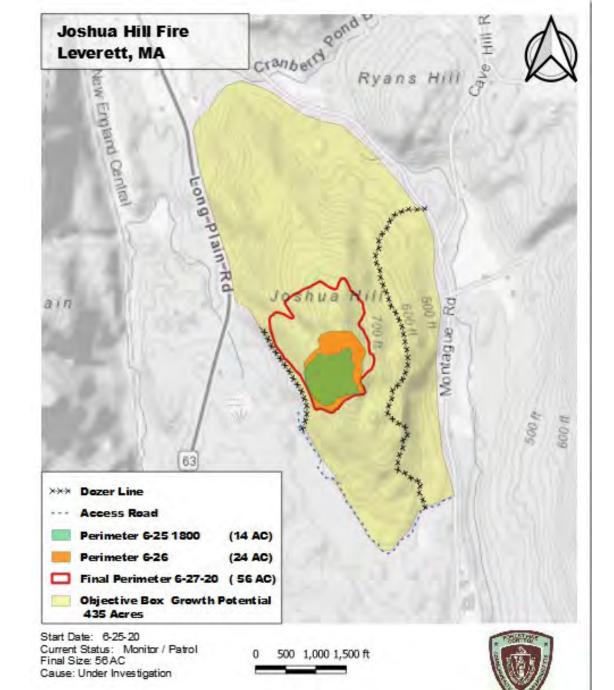
MASSACHUSETTS WILDFIRE OCCURRENCE MAP Year to Date 8-31-20

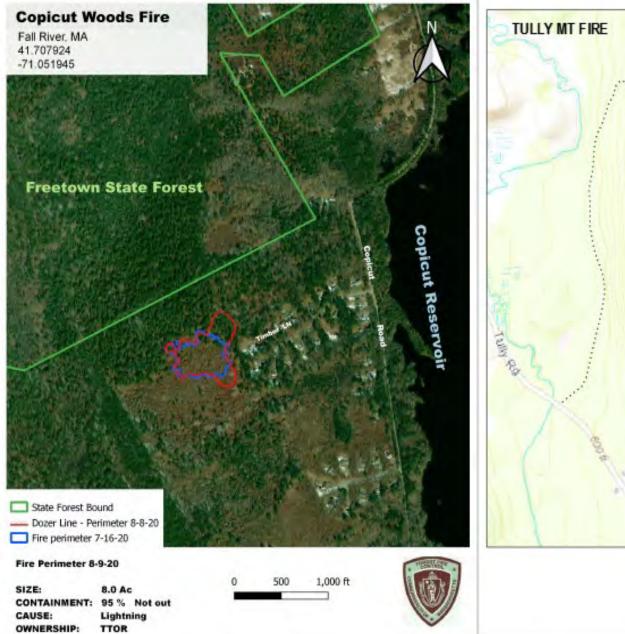
Wildfire Locations

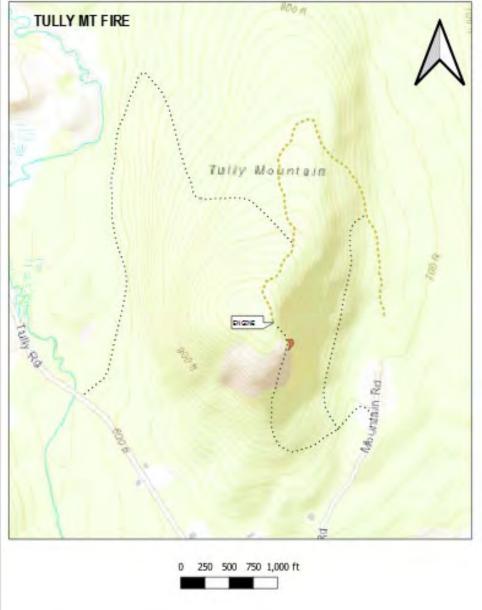
Source: Local Fire Department and DCR Fire District Wildfire Reporting Data

Number of Fires:	939
Acres Burned:	686.4
Resident Homes Threatened:	119
Resident Homes Damaged:	10
Other Structures Impacted:	81
umber of DCR Fire Responses:	220









FIRE BEHAVIOR ENVIRONMENTAL FACTORS

FUELS

WEATHER

TOPOGRAPHY

■ FIRE BEHAVIOR ■ SIZE UP ■ FF SAFETY STRATEGY TACTICS ■ RISK MANAGEMENT

FIRE BEHAVIOR ENVIRONMENTAL FACTORS

FUELS

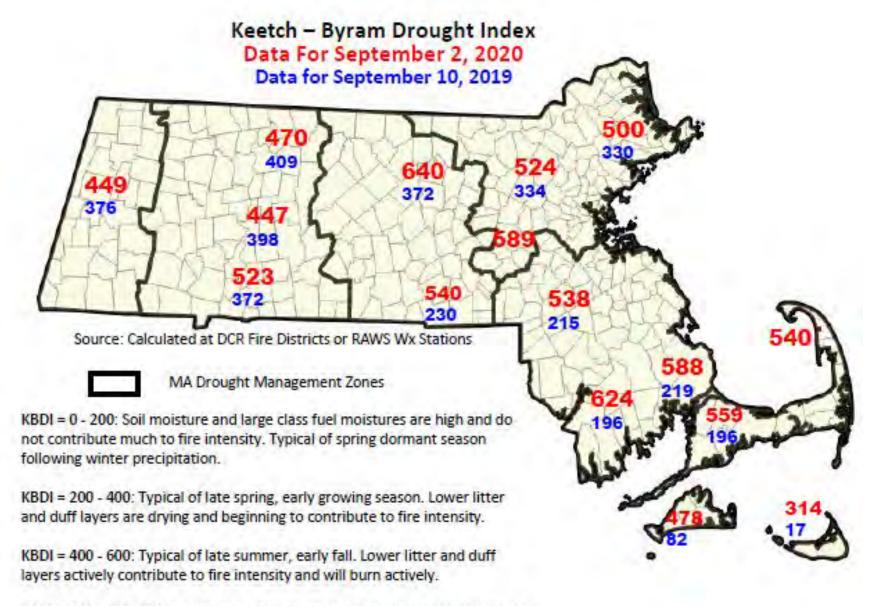
FUEL TYPE SIZE CLASS FUEL MOIST ARRANGEMENT LOADING LIVE OR DEAD

FIRE BEHAVIOR ENVIRONMENTAL FACTORS

- AIR TEMP
- WIND Speed/Dir
- RELATIVE HUME

WEATHER

- - DROUGHT (K
 - INVERSIONS
 - T~STORMS / COLD FRONTS
 - LIGHTNING ACTK



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.

Fire Behavior and Tactics in Since June



2020.... Not so normal for DCR Forest Fire Control

COVID -19

- COVID Related Hiring / Admin challenges
- Wildfire Response under COVID Risk Mitigation
- DCR Operations under COVID Protocols
- DROUGHT Induced Fire Behavior
- Sharp increase in Fireworks use / Lightning Fires

2020.... Not so normal for DCR Forest Fire Control..... So How We Manage the Operation?

- DCR FIRE Incident Management Team in place since end of March
- Trained Staff in specific positions...
 - IC, Safety, PIO, OPS, Plans, Logistics, Finance
- Incident Action Plan developed weekly
- Operational Briefing provided for all staff every Monday and Friday morning.

Incident Action Plan

DCR Fire COVID-19 Response MA-MAS-202001



Operational Period September 8 – 21, 2020 0700-1800 Daily



Mass DCR Bureau of Fire and Forestry Incident Management Team Incident Commander: Dave Celino

INCIDENT OBJECTIVES	1. INCIDENT NAME DCR. Fire COVID-19	Response	2. DATE 09/06/2020	3. TIME 1600
4. OPERATIONAL PERIOD (DATE/TIL	ME)			
09/08/2020 - 09/21/2020 070	0-1800			
5. GENERAL CONTROL OBJECTIVE	S FOR THE INCIDENT (INCLUDE ALTS	RNATIVES)	
 guidance, procedures, le Provide for continuity of all on-going programs, i adhering to all COVID-1 Provide Logistical support 	nd wellbeing of ALL staff through ogistical support, and situational mission delivery assistance in fi ncluding qualification of out-of-st 9 National, State and Agency di ort for Bureau needs. r Bureau of Fire and Forestry an	awarenes re detection tate intera rection an	s supporting inform on and suppression gency wildfire crew d procedures.	nation. n, support of r, while
6. WEATHER FORECAST FOR OPER				_
	eraging 5mph inland and 5-10mp Sunday. Please refer to the NW	h along th	e coast. Chance	of showers
through the week, winds – ave Wednesday evening through s areas for more specific inform	eraging 5mph inland and 5-10mp Sunday. Please refer to the NW	h along th	e coast. Chance	of showers
through the week, winds – ave Wednesday evening through S areas for more specific inform. 7. GENERAL SAFETY MESSAGE	eraging 5mph inland and 5-10mp Sunday. Please refer to the NW	h along th S Norton f	e coast. Chance o ire weather foreca	of showers st for your
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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



THANK YOU

Dave Celino Chief Forest Fire Warden <u>David.Celino@</u>mass.gov (508) 326-2403