

Vermont Fire Danger Report

Thursday, July 21, 2016

Observations

| Sta | WX | Tmp | RH | Dir | WS | TMx | TmMn | RHMx | RHMn | Dur | Amt |
|------|----|-----|----|-----|----|-----|------|------|------|-----|-----|
| NUL | 2 | 81 | 46 | 275 | 4 | 81 | 46 | 100 | 46 | 0 | 0 |
| ESS | 2 | 86 | 40 | 174 | 3 | 86 | 56 | 94 | 36 | 0 | 0 |
| ELM | 2 | 81 | 44 | 286 | 3 | 81 | 51 | 100 | 44 | 0 | 0 |
| DAN | 2 | 84 | 45 | 208 | 4 | 84 | 50 | 99 | 43 | 0 | 0 |
| WOOD | 1 | 77 | 47 | 208 | 4 | 77 | 52 | 98 | 47 | 0 | 0 |

NFDR Index

| Sta | WS | WDY | HRB | 1H | 10hr | 100H | 1000H | IC | SC | EC | BI | SL | R | KBDI |
|------|----|-----|-----|----|------|------|-------|----|----|----|----|----|---|------|
| NUL | 4 | 152 | 158 | 10 | 10 | 17 | 20 | 6 | 2 | 24 | 17 | 3 | M | 164 |
| ESS | 3 | 141 | 121 | 7 | 8 | 15 | 18 | 11 | 2 | 31 | 20 | 2 | M | 277 |
| ELM | 3 | 158 | 155 | 8 | 9 | 17 | 20 | 8 | 2 | 23 | 16 | 3 | M | 114 |
| DAN | 4 | 129 | 113 | 8 | 9 | 16 | 17 | 11 | 3 | 34 | 24 | 3 | M | 500 |
| WOOD | 4 | 162 | 135 | 7 | 9 | 16 | 21 | 10 | 2 | 24 | 18 | 2 | M | 200 |

Fire danger today is **MODERATE**. Statewide, Vermont continues to be drier than normal. The only rain received recently has been in the form of scattered t-storms which leaves variable amounts from none to 1" to 2". Many locations have missed out on these rain storms altogether or have received minimal amounts even though the rain falls intensely for short periods of time. Fire danger indicators of dry conditions, KBDI and 1000-hr dead fuel moisture values are near record setting levels at Danby and Essex. Nulhegan is also drier than normal. Ground fuels are much drier than normal in these areas, especially in western and southern Vermont. Campfires and other sources of heat can burn into the ground when the ground fuels are dry leading to difficult and long duration fires.

1000-hr dead fuel moisture values measure long term drying of large diameter dead fuels. Once these fuels become dry, it takes a slow, steady extended period of rain to saturate them. When these large diameter fuels are dry enough to burn, fires become more intense and also more difficult to extinguish.

ERC is also higher than normal at all the fire weather stations except Elmore. This value is an indicator of overall risk of an increase in fire potential, so despite the low to moderate adjective, when all these values are drier than normal, fire danger increases. More scattered showers are expected over the next few days. Some areas that receive some rain will see diminished fire danger in the short term otherwise, expect some level of fire danger to remain until the dry conditions improve.



[Six Minutes for Safety: An interagency safety initiative that address high-risk situations that historically get firefighters in trouble.](#)

Report Submitted by: Vermont Department of Forests, Parks & Recreation

[Column definitions for Vermont Fire Danger Report](#)

