

Certified Prescribed Burn Manager Course: Pre Work Content

Instructions: Please watch all of the YouTube videos and be prepared to discuss them during class. Pay special attention to methods that you are not accustomed to and see how they may apply to Washington. Become familiar with the websites and materials as we will cover them more in class. Please allow for approximately 4 hours to familiarize yourself with this content.

YouTube videos (21 in total):

1. DNR video – how prescribed fire works: <https://youtu.be/viq5nzM--Ws>
2. What is a flame: <https://youtu.be/5ymAXKXhvHI>
3. Fire Triangle : <https://youtu.be/8WPk15XqN2E>
4. Parts of a fire/types of fire (smoldering etc.) : <https://youtu.be/b1KvTswZYNA>
5. Fire behavior/fire environment: <http://www.youtube.com/watch?v=SB4pk91yq24>
6. Introduction to Fuels: <https://youtu.be/EA3nXYAqF5s>
7. Fire behavior/fuel models: <https://youtu.be/XCa10jUWAKI>
8. Fuel Loading: <https://youtu.be/1QQIDNA04Jo>
9. Photoload sampling: <https://youtu.be/6PxBtxGHpwU>
10. Topographic influences: <https://youtu.be/P2wEp--e1Ss>
11. Prescribed fire techniques: <https://youtu.be/Wg2O1vT-lv0>
12. A multi-purpose tool – NW fire science: https://youtu.be/s_Fj00_4n6Q
13. Grist Video: How indigenous knowledge can help control wildfire: <https://youtu.be/JHYuvFwA1qI>
14. Observations from recent prescribed fire reviews: <https://youtu.be/yUNcqO9A3H8>
15. Burn Planning: <https://youtu.be/9pwPP70G3wE\>
16. Firebreaks: <https://youtu.be/3e5ViC8IoEs>
17. 8-Line incident medical response: <https://youtu.be/oKENvnC44H8>
18. Drip torch fuel on pants: <https://youtu.be/2DwMMQpSSJQ?si=Bv6ACDddWSd1oGSS>
19. Rx fire awareness: <https://youtu.be/LvgvDOMwN60>
20. Suppression Tactics: <https://youtu.be/riecc7nygH8>
21. DNR Burn Portal: https://youtube.com/playlist?list=PLKpn_ilWjh50isganUPa1dOtNKh3y2dmk

Look through these websites and fire weather materials on the next page

Websites to become familiar with:

<http://waprescribedfire.org/>

<https://ecology.wa.gov/Air-Climate/Air-quality/Smoke-fire>

<https://burnportal.dnr.wa.gov/>

<https://www.putfiretowork.org/home>

<https://www.dnr.wa.gov/ForestHealthPlan#:~:text=The%2020%2DYear%20Forest%20Health%20Strategic%20Plan%20is%20grounded%20in,planning%20areas%20across%20eastern%20Washington.>

<https://www.dnr.wa.gov/prescribedfire>

https://gacc.nifc.gov/nwcc/predict/fire_fuel.aspx

Fire weather materials:

Washington fire weather website: <https://www.weather.gov/wrh/fire?wfo=sew>

Spot Weather website: <https://www.weather.gov/spot/monitor/>

Fire Weather Dashboard website: <https://www.weather.gov/dlh/fwd>

Fire Weather Dashboard Video: https://youtu.be/657ASD3b0Zc?si=m9xw_uXtvg0agyzv

NWS Fire Weather Resources Video: https://youtu.be/RO31AhQu4wE?si=Y_-0svMk857mk6Lj

MesoWest weather data: <https://mesowest.utah.edu/cgi-bin/droman/mesomap.cgi?state=WA&rawsflag=3>

Reference materials:

DNR Certified Burner Burn Plan Template:

https://www.dnr.wa.gov/sites/default/files/publications/rp_wa_certified_burner_plan_template_2023.docx

Incident Response Pocket Guide 2022: <https://www.nwccg.gov/sites/default/files/publications/pms461.pdf>

40 standard fuel models:

<https://gacc.nifc.gov/oncc/docs/40-Standard%20Fire%20Behavior%20Fuel%20Models.pdf>

Photoload Sampling techniques:

<https://www.bia.gov/sites/default/files/dup/assets/public/pdf/idc1-028662.pdf>

Virtual Workshop (optional information):

Photoload Workshop from November 2023: <https://youtu.be/y4pRDcyPGKI?si=ZD0jXkItks0OqZmN>