

## **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 (25 in total):**

#### **Prescribed fire overviews**

1. DNR video – how prescribed fire works: <https://youtu.be/viq5nzM--Ws>
2. Rx fire awareness: <https://youtu.be/LvgvDOMwN60>
3. A multi-purpose tool – NW fire science: [https://youtu.be/s\\_Fj00\\_4n6Q](https://youtu.be/s_Fj00_4n6Q)
4. Grist Video: How indigenous knowledge can help control wildfire: <https://youtu.be/JHYuvFwA1qI>

#### **Fire behavior:**

5. What is a flame: <https://youtu.be/5ymAXKXhvHI>
6. Fire Triangle : <https://youtu.be/8WPk15XqN2E>
7. Parts of a fire/types of fire (smoldering etc.) : <https://youtu.be/b1KvTswZYNA>
8. Fire behavior/fire environment: <http://www.youtube.com/watch?v=SB4pk91yq24>

#### **Fuels:**

9. Introduction to Fuels: <https://youtu.be/EA3nXYAqF5s>
10. Fire behavior/fuel models: <https://youtu.be/XCa10jUWAKI>
11. Fuel Loading: <https://youtu.be/1QQIDNA04Jo>
12. Photoload sampling: <https://youtu.be/6PxBtxGHPwU>
13. Topographic influences: <https://youtu.be/P2wEp--e1Ss>

#### **Fire operations:**

14. Prescribed fire techniques: <https://youtu.be/Wg2O1vT-lv0>
15. Observations from recent prescribed fire reviews: <https://youtu.be/yUNcqO9A3H8>
16. Firebreaks: <https://youtu.be/3e5ViC8IoEs>
17. Suppression Tactics: <https://youtu.be/riecc7nygH8>

#### **Burn Panning:**

18. Burn Planning: <https://youtu.be/9pwPP70G3wE\>

## **Safety:**

19. 8-Line incident medical response: <https://youtu.be/oKENvnC44H8>

20. Drip torch fuel on pants: <https://youtu.be/2DwMMQpSSJQ?si=Bv6ACDddWSd1oGSS>

## **Burn Permits:**

21. DNR Burn Portal: [https://youtube.com/playlist?list=PLKpn\\_ilWjh50isganUPa1dOtNKh3y2dmk](https://youtube.com/playlist?list=PLKpn_ilWjh50isganUPa1dOtNKh3y2dmk)

## **Fire Weather:**

22. Belt weather kit instructions: <https://youtu.be/llpngk3Ow8A?si=9jDQyKR7ryJ-U6FJ>

23. Kestrel Weather meter instructions: <https://youtu.be/MduAlzd1vEE?si=CsfjnHD064Ke4Tit>

24. Fire Weather Dashboard Video: [https://youtu.be/657ASD3b0Zc?si=m9xw\\_uXtvg0agyvz](https://youtu.be/657ASD3b0Zc?si=m9xw_uXtvg0agyvz)

25. NWS Fire Weather Resources Video: [https://youtu.be/RO31AhQu4wE?si=Y\\_-0svMk857mk6Lj](https://youtu.be/RO31AhQu4wE?si=Y_-0svMk857mk6Lj)

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>

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

## **Websites to become familiar with:**

WA DNR Certified Burner: <https://www.dnr.wa.gov/certifiedburner>

WA DNR burn Portal: <https://burnportal.dnr.wa.gov/>

WA dept of Ecology- smoke and fire management: <https://ecology.wa.gov/Air-Climate/Air-quality/Smoke-fire>

WA dept of Ecology permitting: <https://ecology.wa.gov/air-climate/air-quality/smoke-fire/agricultural-burning#info>

WA prescribed fire council: <http://waprescribedfire.org/>

WA Prescribed Burn Associations: <https://wapba.org>

Put Fire to Work: <https://www.putfiretowork.org/home>

Northwest Interagency Coordination Center Fuels/Fire Danger: [https://gacc.nifc.gov/nwcc/predict/fire\\_fuel.aspx](https://gacc.nifc.gov/nwcc/predict/fire_fuel.aspx)

## **Reference materials:**

**DNR Certified Burner Burn Plan Template:** [https://www.dnr.wa.gov/publications/rp\\_cb\\_plan\\_template.docx](https://www.dnr.wa.gov/publications/rp_cb_plan_template.docx)

**Pile Burn Fuel load calculator:** <https://depts.washington.edu/nwfire/piles/>

**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>

**WA DNR 20-Year Forest Health Strategic Plan - Central and eastern WA:**

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

**WA DNR Financial Assistance for Wildfire Resilience and Forest Health:** <https://www.dnr.wa.gov/cost-share>

**Virtual Workshop (optional information):**

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