

Additional file 2 Day-of-burn conditions for four *Q. garryana* woodland burn units at Joint Base Lewis-McChord, Washington, USA, August 2016 and September 2017. UWTT = Upper Weir Trenches unit T, UWTB = Upper Weir Trenches unit B, HLD01 = Holden Woods unit 1, HLD02 = Holden Woods unit 2, Rh = relative humidity. Asterisk (*) = data not available.

	UWTT	UWTB	HLD01	HLD02
Burn date	1 Aug 2016	1 Aug 2016	11 Aug 2016	28 Sep 2017
Ignition time	1215	1245	1200	1200
Temperature (°C)*	18 to 28	18 to 28	23 to 28	24 to 27
Rh (%)*	56 to 42	56 to 42	54 to 36	48 to 32
Average wind speed (km hr ⁻¹)	4.8	4.8	4	2
Backing fire flame length (m)	0.3	0.3	0.3	0.1
Head fire flame length (m)	3	3	2.5	3
Backing fire rate of spread (m sec ⁻¹)	0.02	0.02	0.01	*
Head fire rate of spread (m sec ⁻¹)	0.13	0.13	0.1	*