

APPENDIX- FOR ONLINE PUBLICATION ONLY

Appendix A. Characteristics (mean (SE, based on variation among experimental units)) of the Comparable Layer of Surface Mineral Soil (<4 mm) in Unburned and Wildfire-Burned Forest at the Siskiyou Long-Term Ecosystem Productivity Study, Rogue River-Siskiyou National Forest, Oregon

Characteristic	Year	Unthinned				Thinned				Clearcut			
		Unburned		Wildfire		Unburned		Wildfire		Unburned		Wildfire	
Inorganic mass (kg m ⁻²)	1992–1995	30.0	(0.0)	30.0	(0.0)	30.0	(0.0)	30.0	(0.0)	30.0	(0.0)	30.0	(0.0)
	2003	30.0	(0.0)	27.8	(0.3)	30.0	(0.0)	22.4	(0.6)	30.0	(0.0)	21.5	(1.4)
	2011	30.0	(0.0)	27.8	(0.3)	30.0	(0.0)	22.4	(0.6)	30.0	(0.0)	21.5	(1.4)
Soil mass (kg m ⁻²)	1992–1995	33.5	(0.2)	33.0	(0.2)	33.9	(0.6)	33.5	(0.4)	34.1	(0.3)	33.7	(0.4)
	2003	33.8	(0.0)	30.4	(0.4)	34.3	(0.4)	24.3	(0.7)	34.1	(0.1)	23.4	(1.6)
	2011	33.8	(0.3)	30.9	(0.4)	34.1	(0.3)	24.4	(0.5)	34.7	(0.2)	23.5	(1.6)
Soil C conc. (%)	1992–1995	5.46	(0.28)	4.84	(0.32)	6.08	(0.83)	5.58	(0.60)	6.38	(0.35)	5.78	(0.48)
	2003	5.91	(0.04)	4.56	(0.20)	6.65	(0.59)	4.13	(0.20)	6.33	(0.12)	4.20	(0.30)
	2011	5.91	(0.46)	5.33	(0.17)	6.38	(0.45)	4.36	(0.45)	7.15	(0.21)	4.42	(0.42)
Soil N conc. (%)	1992–1995	0.158	(0.028)	0.154	(0.011)	0.180	(0.034)	0.171	(0.014)	0.198	(0.006)	0.180	(0.013)
	2003	0.165	(0.026)	0.159	(0.014)	0.194	(0.032)	0.151	(0.012)	0.223	(0.010)	0.168	(0.014)
	2011	0.166	(0.043)	0.175	(0.007)	0.196	(0.024)	0.151	(0.018)	0.242	(0.008)	0.165	(0.014)
Soil C mass (kg m ⁻²)	1992–1995	1.83	(0.11)	1.60	(0.11)	2.07	(0.31)	1.88	(0.22)	2.18	(0.14)	1.95	(0.19)
	2003	2.00	(0.02)	1.39	(0.08)	2.29	(0.23)	1.01	(0.08)	2.16	(0.05)	1.00	(0.12)
	2011	2.00	(0.17)	1.65	(0.06)	2.18	(0.17)	1.06	(0.10)	2.48	(0.09)	1.06	(0.15)
Soil N mass (kg m ⁻²)	1992–1995	0.053	(0.010)	0.051	(0.004)	0.061	(0.012)	0.058	(0.005)	0.067	(0.002)	0.061	(0.005)
	2003	0.056	(0.009)	0.048	(0.005)	0.067	(0.012)	0.037	(0.003)	0.076	(0.003)	0.040	(0.005)
	2011	0.056	(0.015)	0.054	(0.003)	0.067	(0.009)	0.037	(0.004)	0.084	(0.003)	0.039	(0.005)
n experimental units		2		3		3		3		4		6	

The same experimental units were sampled in each of three years at an average of 13 points per experimental unit. Thinned and Clearcut Treatments were implemented in 1997 and Wildfire occurred in 2002. The comparable layer is based on 30 kg m⁻² of inorganic matter. Following wildfire, inorganic masses of wildfire-burned soils were less than 30 kg m⁻², because inorganic matter was lost due to the wildfire. Average thickness of comparable layer in 1992–1995 was 6 cm.