

Summary of SPRUCE Plot Characteristics

Plots (17*)	Experimental Plot (12 Yes)	With Enclosure (10 Yes)	Temperature Treatment (target temp in degrees C above Control)	Carbon Dioxide Treatment (+500 ppm above ambient)	Date Soil Temp Monitoring Began ¹	Date DPH ² Treatment Began	Date WEW ³ Treatment Began	Date CO2 Treatment Began
2	No	No	Ambient	Ambient	NA	NA	NA	NA
4	Yes	Yes	+4.5	Elevated	2014-02-25	2014-07-02	2015-08-12	2016-06-15
5	No	No	Ambient	Ambient	2014-02-25	NA	NA	NA
6	Yes	Yes	Control (primary)	Ambient	2014-02-25	NA	Blowers Only, 2015-08-12	NA
7	Yes	No	Ambient	Ambient	2014-02-25	NA	NA	NA
8	Yes	Yes	+6.75	Ambient	2014-05-20	2014-06-25	2015-08-12	NA
9	No	No	Ambient	Ambient	2014-02-25	NA	NA	NA
10	Yes	Yes	+9	Elevated	2014-05-19	2014-06-17	2015-08-12	2016-06-15
11	Yes	Yes	+2.25	Elevated	2014-05-20	2014-07-01	2015-08-12	2016-06-15
13	Yes	Yes	+4.5	Ambient	2014-05-20	2014-06-26	2015-08-12	NA
14	No	No	Ambient	Ambient	2014-02-25	NA	NA	NA
15	No	No	Ambient	Ambient	2014-02-25	NA	NA	NA
16	Yes	Yes	+6.75	Elevated	2014-06-09	2014-06-23	2015-08-12	2016-06-15
17	Yes	Yes	+9	Ambient	2014-06-09	2014-06-17	2015-08-12	NA
19	Yes	Yes	Control (backup)	Elevated	2014-06-18	NA	Blowers Only, 2015-08-12	2016-06-15
20	Yes	Yes	+2.25	Ambient	2014-06-17	2014-06-25	2015-08-12	NA
21	Yes	No	Ambient	Ambient	2014-08-14	NA	NA	NA

¹ Soil temperature measurements were underway before the initiation of heating treatments. Monitoring and treatments started on different days as temperature sensors and heating elements were installed.

² DPH: Deep Peat Heating

³ WEW: Whole Ecosystem Warming

* Note that Plots 1, 3, 12, 18, 22, 23, 24, 25, 26, 27, 28 will be included in a separate Measurements Summary Table.

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DRAFT Table 2. Summary of SPRUCE plots and measurement types. More types will be added.

Plot	Transect	All response variables	Vegetation community plots	Hollow elevation	TLS Micro-topography	Tree growth-annual	FLUX at shrub level	Phenology-human observer	Phenology-Phenocam
1	1					Yes			
2	1			Yes		Yes	Yes	Yes	
3	1					Yes		Yes	
4	1	Yes	Yes	Yes	Yes	Yes		Yes	Yes
5	1			Yes		Yes		Yes	
6	1	Yes	Yes	Yes	Yes	Yes		Yes	Yes
7	1	Yes	Yes	Yes	Yes	Yes		Yes	Yes
8	2	Yes	Yes	Yes	Yes	Yes		Yes	Yes
9	2			Yes		Yes		Yes	
10	2	Yes	Yes	Yes	Yes	Yes		Yes	Yes
11	2	Yes	Yes	Yes	Yes	Yes		Yes	Yes
12	2					Yes		Yes	
13	2	Yes	Yes	Yes	Yes	Yes		Yes	Yes
14	2		Yes	Yes		Yes		Yes	
15	3			Yes		Yes		Yes	
16	3	Yes	Yes	Yes	Yes	Yes		Yes	Yes
17	3	Yes	Yes	Yes	Yes	Yes		Yes	Yes
18	3					Yes		Yes	
19	3	Yes	Yes	Yes	Yes	Yes		Yes	Yes
20	3	Yes	Yes	Yes	Yes	Yes		Yes	Yes
21	3	Yes	Yes	Yes	Yes	Yes		Yes	Yes
22	4					Yes			
23	4					Yes			

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24	4					Yes			
25	4					Yes			
26	4					Yes			
27	4					Yes			
28	4					Yes			