

README: Propagule availability drives post-wildfire recovery of peatland plant communities: dataset

Journal: TBC

Summary: This dataset contains results from an on-site vegetation survey data and off-site seed-germination experiment conducted a UK blanket bog (Stalybridge Moors) that had previously undergone a wildfire in June 2018. There is additional data from soil collected at a neighbouring unburned site that was added to the offside seed-germination experiment. There are various levels of spatial location within the data that is distinguished by various identifiers. There also information on the mass of soil extracted for each sample when surveying seed bank composition. Methodological information is provided in the accompanying manuscript.

Dates of data collection: 22/10/2018 – 14/05/2019

Geographical Location: Stalybridge estate, part of the Stalybridge moors (53°54'33 N, -01°95'58 E).

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Related Projects: **RECOUP-Moor:** Restoring Ecosystem Carbon Uptake of a Post-Fire Moorland

Date of file creation: 01/03/2021

Additional Information:

1. Variable Key

Variable Name	Description
Plot_number	Plot Number.
Plot_ID	ID used to distinguish plot location and replicate (PF = Post-fire, U = Unburned).
Plot_group	Refers to the spatial location of plots in the post-fire site. 1 = Group 1. 2 = Group 2.
Survey	Abundance data sampled from the seed-bank (SB) or vegetation surveys (Veg).
Fire_history	Plot location, either post-fire or unburned.
Weight_soil	Weight of extracted peat soil (g). Seed-bank only.
Date	Date of sampling.
Species_Latin	Species name (Latin).
Raw_Abundance	Total number of individuals recorded per sample. Seed bank abundances are not standardized by weight.

2. Species List

Species Name	Nomenclature	Common Name
<i>Betula pubescens</i>	Ehrh.	Moor birch
<i>Calluna vulgaris</i>	L.	Common heather
<i>Epilobium angustifolium</i>	Hockeny.	Rosebay willowherb/Fireweed
<i>Epilobium hirsutum</i>	L.	Great willowherb
<i>Erica tetralix</i>	L.	Bog heather
<i>Eriophorum vaginatum</i>	L.	Hare's-tail cottongrass
<i>Festuca rubra</i>	L.	Red fescue
<i>Holcus lanatus</i>	L.	Yorkshire fog
<i>Juncus bufonius</i>	L.	Toad rush
<i>Juncus effuses</i>	L.	Soft rush
<i>Vaccinium myrtillus</i>	L.	European blueberry