

Online Resource 3: Summary of habitat structure variables and NMDS vector fitting of habitat structure variables for Figure 2.

Landscape Ecology. Arthropod traits and assemblages differ between core patches, transient stepping-stones and landscape corridors. Scott M. Pedley, Paul M. Dolman. Manchester Metropolitan University, Department of Natural Sciences, Chester Street, Manchester, M1 5GD, UK. Email: s.pedley@mmu.ac.uk

Table 1: Summary of environmental variables (mean $\pm$ standard error) recorded from the three landscape elements. Numbers in brackets are the number of sampling plots in each landscape element. In August 2009 vegetation height in each plot was assessed at 40 points using a sward stick (diameter 90 mm, weight 250 g), and the frequency of key vegetation structural features was visually estimated in 20x20cm at each point along with the percentage of bare mineral soil.

	Corridor (n=15)	Core patch (n=24)	Transient (n=38)
Vegetation height (cm)	2.3 $\pm$ 0.2	1.0 $\pm$ 0.2	3.6 $\pm$ 0.4
Shrub frequency	16.3 $\pm$ 3.3	0.1 $\pm$ 0.1	5.6 $\pm$ 0.6
Grass frequency	59.1 $\pm$ 3.6	13.2 $\pm$ 0.5	17.6 $\pm$ 0.5
Herb frequency	35.5 $\pm$ 4.5	12.7 $\pm$ 0.9	11.5 $\pm$ 1.0
Moss frequency	23.3 $\pm$ 3.2	9.4 $\pm$ 0.9	7.7 $\pm$ 0.7
Bare ground frequency	0.7 $\pm$ 0.2	18.4 $\pm$ 3.9	0.9 $\pm$ 0.5
Lichen frequency	0 $\pm$ 0	5.3 $\pm$ 1.1	0 $\pm$ 0
Succulent frequency	0 $\pm$ 0	3.0 $\pm$ 0.9	0 $\pm$ 0

Table 2: Vector fitting of habitat structure variables fitted to community compositions of carabid and spider communities using the envfit function in the vegan package. R^2 and p-values for each habitat variable and fitted environmental vectors for NMDS axes 1 and 2.

	Habitat variable	NMDS1	NMDS2	R^2	P-value
Carabids	Height	-0.999	-0.039	0.366	0.001
	Shrub	-0.566	-0.824	0.262	0.001
	Grass	-0.204	-0.979	0.288	0.001
	Herb	0.210	-0.978	0.164	0.002
	Moss	0.273	-0.962	0.091	0.028
	Bare	0.987	0.159	0.287	0.001
	Lichen	0.977	-0.212	0.295	0.001
	Succul	0.998	0.066	0.219	0.001
Spiders	Height	-0.999	0.037	0.349	0.001
	Shrub	-0.763	-0.647	0.302	0.001
	Grass	-0.503	-0.864	0.288	0.001
	Herb	-0.252	-0.968	0.164	0.003
	Moss	-0.094	-0.996	0.086	0.033
	Bare	0.998	-0.062	0.240	0.001
	Lichen	0.828	-0.561	0.386	0.001
	Succul	0.999	0.049	0.217	0.001