

Supplementary Material

S2. Linear mixed models result by seasons, areas and habitats.

Response	Season	Factor / Interaction	Estimate	Std. Error	t value	Random effect (Variance / SD)
Abundance	Spring	Intercept	6.062	1.271	4.769	Quadrat nested: 2.656 / 1.630; Residual: 15.234 / 3.903
		Area (Control)	-5.437	1.798	-3.024	
		Area (Open)	-5.437	1.798	-3.024	
		Habitat (Transition zone)	1.313	1.798	730	
		Habitat (Vegetated)	-3.187	1.798	-1.773	
		Area × Habitat (Control:Transition zone)	5.687	2.543	2.237	
		Area × Habitat (Open:Transition zone)	1.562	2.543	615	
		Area × Habitat (Control:Vegetated zone)	5.187	2.543	2.040	
		Area × Habitat (Open:Vegetated)	8.062	2.543	3.171	
Abundance	Autumn	Intercept	3.875	1.034	3.748	Quadrat nested: 2.378 / 1.542; Residual: 7.588 / 2.755
		Area (Control)	-3.563	1.462	-2.437	
		Area (Open)	-3.625	1.462	-2.479	
		Habitat (Transition zone)	6.062	1.462	4.146	
		Habitat (Vegetated)	-3.250	1.462	-2.223	
		Area × Habitat (Control:Transition zone)	-3.875	2.068	-1.874	
		Area × Habitat (Open:Transition zone)	-5.812	2.068	-2.811	

		Area × Habitat (Control:Vegetated zone)	6.125	2.068	2.962	
		Area × Habitat (Open:Vegetated zone)	3.563	2.068	1.723	
Richness	Spring	Intercept	2.938	317	9.276	Quadrat nested: 0.000 / 0.000; Residual: 1.605 / 1.267
		Area (Control)	-2.375	448	-5.303	
		Area (Open)	-2.375	448	-5.303	
		Habitat (Transition zone)	-188	448	-419	
		Habitat (Vegetated)	-1.750	448	-3.907	
		Area × Habitat (Control:Transition zone)	2.313	633	3.651	
		Area × Habitat (Open:Transition zone)	1.313	633	2.072	
		Area × Habitat (Control:Vegetated zone)	2.813	633	4.441	
		Area × Habitat (Open:Vegetated)	2.813	633	4.441	
Richness	Autumn	Intercept	2.250	259	8.693	Quadrat nested: 0.138 / 0.371; Residual: 0.521 / 0.722
		Area (Control)	-2.000	366	-5.464	
		Area (Open)	-2.000	366	-5.464	
		Habitat (Transition zone)	-250	366	-683	
		Habitat (Vegetated)	-1.938	366	-5.293	
		Area × Habitat (Control:Transition zone)	1.063	518	2.053	
		Area × Habitat (Open:Transition zone)	313	518	604	
		Area × Habitat (Control:Vegetated)	2.500	518	4.830	
		Area × Habitat (Open:Vegetated)	2.125	518	4.105	