Appendix 1 Spearman correlation between abiotic and anthropogenic variables used in the redundancy analyses for the Lanoraie Wetland Complex, and for the ombrotrophic and the minerotrophic plots alone. See Table 2 for variable abbreviations.

Lanoraie Weland Complex

	pH	Conductivity	Basal area	Windfall	Peat	Mean w.t.l.	W.t.l. fluctuation	% disturbed area	Dedge	Dditch
Conductivity	0.808 ***									
Basal area	0.226 **	0.141 *								
Windfall	0.177 **	0.076	0.364 ***							
Peat	-0.085	-0.163 **	0.131 *	0.083						
Mean w.t.l.	0.407 ***	0.251 ***	-0.018	0.032	0.039					
W.t.l. fluctuation	-0.058	-0.075	-0.134 *	-0.021	-0.269 ***	-0.258 ***				
% disturbed area	0.111	0.127 *	-0.112	0.009	-0.019	-0.112	-0.054			
Dedge	-0.252 ***	-0.323 ***	0.000	0.030	0.068	-0.010	0.082	-0.638 ***		
Dditch	0.093	-0.077	-0.128 *	-0.133 *	-0.073	0.539 ***	-0.026	-0.267 ***	0.242 ***	
Logging	0.285 ***	0.294 ***	-0.013	-0.143 *	-0.075	0.142 *	-0.177 **	0.386 ***	-0.572 ***	-0.032

Ombrotrophic plots

	pH	Conductivity	Basal area	Windfall	Peat	Mean w.t.l.	W.t.l. fluctuation	% disturbed area	Dedge	Dditch
Conductivity	0.567 ***									
Basal area	0.402 **	0.451 ***								
Windfall	0.090	0.121	0.310 **							
Peat	0.184	0.194	0.400 **	0.178						
Mean w.t.l.	0.057	0.121	0.319 **	-0.060	0.225 *					
W.t.l. fluctuation	-0.278 *	-0.303 **	-0.553 ***	-0.229 *	-0.575 ***	-0.624 ***				
% disturbed area	0.358 **	0.059	0.145	0.242 *	0.020	-0.166	-0.101			
Dedge	-0.539 ***	-0.513 ***	-0.635 ***	-0.375 **	-0.144	-0.178	0.341 **	-0.529 ***		
Dditch	-0.282 *	-0.252 *	-0.459 ***	-0.318 **	-0.134	0.456 ***	-0.026	-0.371 **	0.502 ***	
Logging	0.307 **	0.174	0.192	0.133	0.049	0.018	0.016	0.326 **	-0.435 ***	-0.280 *

Minerotrophic plots

	pH	Conductivity	Basal area	Windfall	Peat	Mean w.t.l.	W.t.l. fluctuation	% disturbed area	Dedge	Dditch
Conductivity	0.555 ***									
Basal area	-0.025	-0.188 *								
Windfall	-0.075	-0.243 **	0.317 ***							
Peat	0.073	-0.125	0.122	0.124						
Mean w.t.l.	0.237 **	-0.009	-0.256 **	-0.102	0.086					
W.t.l. fluctuation	0.052	0.015	0.017	0.052	-0.207 **	-0.145				
% disturbed area	-0.031	0.064	-0.264 **	-0.100	0.001	-0.147	-0.034			
Dedge	0.039	-0.129	0.334 ***	0.280 **	0.050	0.139	-0.001	-0.684 ***		
Dditch	0.272 **	-0.039	-0.015	-0.079	-0.077	0.558 ***	0.016	-0.231 **	0.149	
Logging	0.001	0.074	-0.213 **	-0.335 ***	-0.025	0.041	-0.217 **	0.394 ***	-0.567 ***	0.056

*p ≤ 0.05, **p ≤ 0.01, ***p ≤ 0.0001