

## Supplementary material

Spatial association between habitat types at Vega based on the length of the borders between the habitat types. Each row indicates the proportion of edge between the habitats in the row and habitats in the column. For example, a proportion of 0.426 of all lake edges border to poor open habitats, whereas only 0.105 of poor open habitat edges border to lakes. Habitat edges bordering to the sea are excluded. An asterisk behind the habitat type indicates high human impact.

	Lake	Poor open	Poor forest	Fair open	Fair forest	Good open*	Good forest*	Agricultural*	Unproductive*
Lake		0.426	0.038	0.273	0.037	0.074	0.082	0.050	0.020
Poor open	0.105		0.144	0.236	0.091	0.057	0.111	0.113	0.144
Poor forest	0.024	0.367		0.157	0.099	0.045	0.122	0.150	0.036
Fair open	0.119	0.418	0.109		0.037	0.072	0.107	0.068	0.070
Fair forest	0.040	0.404	0.172	0.093		0.025	0.078	0.109	0.078
Good open*	0.064	0.199	0.061	0.142	0.019		0.127	0.336	0.050
Good forest*	0.049	0.268	0.116	0.146	0.042	0.088		0.233	0.059
Agricultural*	0.026	0.242	0.126	0.082	0.053	0.205	0.206		0.060
Unproductive*	0.017	0.501	0.049	0.138	0.062	0.050	0.085	0.098	