

Online Resource 4

Conserving Red List plant species by managing landscape fragmentation and permeability

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Landscape Ecology

Table 1 presents the final permeability scores used for the landscape permeability assessment.

Table 1. Environmental variables and scores assigned in the landscape permeability assessment process.

Environmental variable	Classification / Range	Permeability
Land use/cover	Water	0
	Shrubs (SWF)	8
	Built-up	0
	Agricultural crops	1
	Roads	0
	Orchard	1
	Non-vegetated / sparsely vegetated	5
	Coniferous forests	1
	Deciduous forests	1
	Pastures	10
Soil	Argiluvissols	7
	Cambisols	8
	Supplementary Classes (water)	0
	Mollisols	10
	Halomorphic soils	0
	Hydromorphic soils	0
	Undeveloped/truncated/exposed soils	5
	Organic soils (Histosols)	0
	Spodosols	0
	Umbrisols	0
	Vertisols	5
Protected natural areas	NATURA2000 sites (SCI, SAC, SPA)	6
	Nature reserves (IUCN category IV)	8
	Unprotected	0
Aspect (degrees)	Flat / Level (-1)	0
	North (0–22.5)	5
	North-East (22.5–67.5)	8
	East (67.5–112.5)	8
	South-East (112.5–157.5)	8
	South (157.5–202.5)	10
	South-West (202.5–247.5)	10
	West (247.5–292.5)	8
	North-West (292.5–337.5)	7

	North (337.5–360)	5
Slope (degrees)	0–3°	5
	3–10°	10
	10–20°	9
	20–30°	7
	> 30°	5
Livestock density on pastures (LU)	0.0–0.1 LU	1
	0.1–0.2 LU	3
	0.2–0.3 LU	5
	0.3–0.4 LU	8
	0.4–0.5 LU	10
	0.5–0.6 LU	10
	0.6–0.7 LU	8
	0.7–0.8 LU	5
	0.8–0.9 LU	3
	0.9–1.0 LU	1
	> 1.0 LU	0
Habitat fragmentation	≤ 0.5	10
	0.5–1	9
	1–2	8
	2–5	7
	5–10	6
	10–20	5
	20–30	4
	30–50	3
	50–75	2
	75–100	1
	> 100	0