

Table 1) Caractéristiques de l'habitat considérés dans l'étude Revermann

Predictor variable	Unit	Median ptarmigan = 1	Median ptarmigan = 0
Predictor variables on territory scale			
Topography			
Altitude above see level	m	2,275.0	2,188.0
Aspect cosine transformed	1	0.4	-0.2
Vertical structure elements	Number	3.0	0.0
Variability of topography	Number	4.0	3.0
Distance to ski fields	m	1,430.0	845.0
Distance to ridge	m	240.0	345.0
Vegetation and resources			
Mean soil thickness	cm	9.8	14.5
Tree cover	%	0.0	0.0
Herbal layer cover	%	0.2	0.3
Vegetation height, maximum	cm	25.0	35.0
Simpson diversity index	metric	0.9	0.8
Vegetation free area	%	0.3	0.1
Cover of <i>Juniperus communis ssp.</i>	%	0.0	0.0
Presence of <i>Vaccinium uliginosum</i>	[0.1]	1.0	1.0
Cover of <i>Vaccinium myrtillus</i>	%	0.0	0.1
Presence of <i>Salix herbacea</i>	[0.1]	0.0	0.0
Cover of <i>Rhododron spp.</i>	&	0.1	0.0
Cover of <i>Salix spp.</i>	%	0.0	0.0
Cover of <i>Ericaceae spp.</i>	%	0.3	0.3
Predictor variables on the macro-scale			
Bioclimate			
Cloud cover July	Cover in %	545.5	531
Precipitation year	mm	1,650.1	1,489.15
Insolation July	kWh m ⁻²	8,300.5	7,032
Mean July temperature	°C	9.01	13.66
Water budget July	mm	84.5	82
Vegetation			
Forest	Cover in %	0	35
Alp pasture	Cover in %	39	8
Uncultivated land	Cover in %	16.5	2
Poor or no vegetation cover	Cover in %	25	0.5
Low growing or sparse vegetation	Cover in %	0	0
Dense, low vegetation	Cover in %	25	25
Sparse, high grass and sedge vegetation	Cover in %	0	0
Dense, higher grass and sedge vegetation	Cover in %	0	25
Perennial plants (50-150 cm)	Cover in %	0.5	0.5
Dwarf and low shrubs	Cover in %	25	0.05
High shrubs	Cover in %	0	0
Deciduous forest with sparse undergrowth	Cover in %	0	0
Deciduous forest with rich shrub layer	Cover in %	0	0
Coniferous forest with sparse undergrowth	Cover in %	0	0
Coniferous forest with rich shrub layer	Cover in %	0	0
Coniferous forest with rich herbal layer, no shrubs	Cover in %	0	25
Vineyard	Cover in %	0	0
Copse	Cover in %	0	0.5
Snow bed vegetation	Cover in %	0.5	0
Ericaceous dwarf shrubs	Cover in %	0.05	0
Topography			
Range of altitude within grid cell	m	458.5	351.5
Profile curvature	[1]	-0.01	0.01
Slope	Degree	12.46	10.27
Aspect (sine transformed)	[1]	-0.07	0.04
Aspect (cosine transformed)	[1]	0.11	-0.21
Aspect (beers transformed)	[1]	1.05	0.92
Distance to rearest ski lift	m	3,162.28	3,000