

## Supplementary materials

**Table S1.** Transcoding between the legend of the Park cartography and the legend of Land Cover Piedmont 2010

Cartography of GPNP	Land Cover Piedmont 2010	Vulnerability Levels	Weight Value
Fir forests	3121-Fir forests	3	0.33
Scrubland and woods of Maple, linden and ash trees	3111-Scrubland and woods of Maple, linden and ash trees	3	0.33
Mixed hygrophilous woods of broad-leaved trees [incl. cod. 91e0]			
Lentic waters	5121-Natural water basins	1	1
Lentic waters with aquatic vegetation [incl. cod. 3130]			
Lentic waters partially buried			
Lotic waters	5111-Active water bodies (rivers and streams)	1	1
Isolated trees or in small groups of different species	3240-Areas with wooded and shrub vegetation in natural evolution	2	0.66
Cores of standing dead trees			
Disrupted environments	1332-Remodeled soils and artifacts	4	0
Shrubland (without distinction of species)	3220-Bushes and shrubs	2	0.66
Sub-arctic shrublands with Salix sp. [cod. 4080]			

Green alder trees				
Larix decidua and/or Pinus cembra forests [cod. 9420]	3124-Forests of larch and/or Swiss stone pine	3	0.33	
Mountain pine forests (Pinus uncinata) [cod. 9430]				
Oak forest	3115-Oak woods	3	0.33	
Mixed coniferous forests				
Sparse coniferous forests	3120-Forests with a prevalence of undifferentiated conifers	3	0.33	
Mixed forests of conifers and broad-leaved trees				
Mixed broad-leaved forests	3110-Woods with a prevalence of undifferentiated broad-leaved trees	2	0.66	
Chestnut groves [incl. cod.9260]	3112-Chestnut groves	2	0.66	
Quarry				
Deposits of natural or artificial materials	1310-Mining areas	4	0	
Buildings				
Bivouacs, mountain huts	1124-Sparse urban fabric buildings (sparse houses)	4	0	
Beech forests				
[incl. cod.9110, cod.9130, cod.9150]	3118-Beech woods	3	0.33	
Subalpine and alpine acidophilic grasslands				
[incl. cod. 6150, 6230*, 36.33, 36.52]				
Subalpine and alpine calcicolous grasslands	2310-Stable meadows and pastures	2	0.66	
[incl. cod. 6170, 36.12]				
Arid and thermophilic grasslands [incl. cod. 6210, 6240*]				

Montane grasslands [incl. cod. 6520]				
Glaciers [cod. 8340]				
Glaciers covered with debris [cod. 8340]	3350-Glaciers and perennial snows		1	1
Perennial snows				
Calcareous and calc-scists screes				
Siliceous screes	3330-Areas with sparse vegetation		1	1
Subalpine and alpine heaths [cod. 4060]	3210-High altitude grasslands and moors		3	0.33
Artifacts and infrastructures	1123-Sparse urban fabric		4	0
Hydrophilous tall herb communities of the Alpine plain [cod. 6430 p.p.]	2310-Stable meadows and pastures 3210-High altitude grasslands and moors		3	0.33
Marshes with small acidophilic sedges [cor. 54.4]			3	0.33
Marshes with small basophilic sedges [cod. 7230]	4100-Undifferentiated internal humid areas			
Water springs [incl. cod. 7220* and 54.11]			1	1
Parks, gardens, vegetable gardens, campsites, golf courses	1400-Undifferentiated non-agricultural artificial green areas		4	0
Spruce forests [cod.9410]	3123-Spruce forests		3	0.33
Scots pine forests	3122-Pine forests		3	0.33
Reforestation	3241-Areas with recent reforestation		1	1
Calcareous and calc-scists cliffs	3320-Bare rocks, cliffs, outcrops		1	1

Siliceous cliffs				
Roads and trails	1221-Road networks and ancillary spaces		4	0
Structures and facilities for skiing	1422-Sports facilities (football, athletics, tennis, skiing)		4	0
Transitional peat bogs [cod. 7140]	4120-Peat bogs		1	1
Pioneer herbaceous vegetation of alpine watercourses [incl. cod. 7240*]				
Herbaceous riparian vegetation of watercourses [incl. cod. 3220]	3310-Beaches, dunes and sands, riverbed islands		1	1
Woody riparian vegetation of watercourses [incl. cod. 3230 and 3240]				
Shaded areas	3300-Open areas with sparse or absent undifferentiated vegetation		1	1

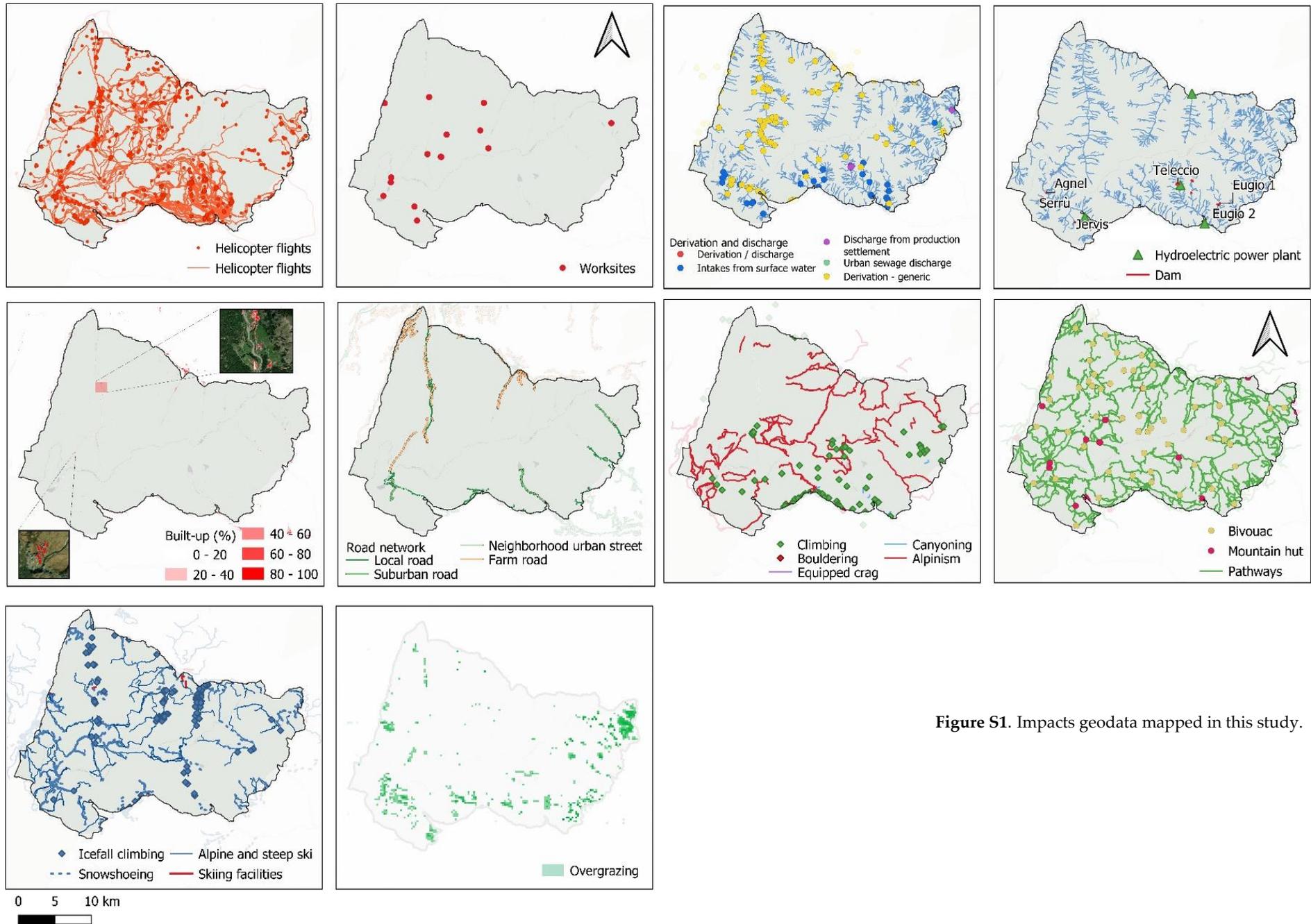


Figure S1. Impacts geodata mapped in this study.