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FOREST AND SCRUB COMMUNITIES WITH GREEN ALDER (*ALNUS VIRIDIS*) IN SLOVENIA

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Abstract

This paper provides phytosociological tables that describe scrub and forest communities with *Alnus viridis* in the Slovenian Alps. We described three new associations: *Rhododendro hirsuti-Alnetum viridis* (a green alder community on calcareous bedrock in the Eastern and Southeastern Alps), *Huperzio selagi-Alnetum viridis* (a green alder community in the silicate rocks under Mt. Komen in the eastern Savinja Alps) and *Alno viridis-Sorbetum aucupariae* (a successional stage of mountain ash and green alder on potential beech sites in the foothills of the southern Julian Alps; similar stages are known also elsewhere in the Alps), and presented additional three associations (*Polysticho lonchitis-Fagetum, Rhodothamno-Laricetum* and *Rhododendro hirsuti-Pinetum mugo*) whose stands comprise green alder.

Key words: phytosociology, synsystematics, *Alnetum viridis*, *Rhododendro hirsuti-Alnetum viridis*, *Huperzio selagi-Alnetum viridis*, *Alno viridis-Sorbetum aucupariae*, the Julian Alps, the Karavanke Mountains, the Smrekovec Mountains.

Izvleček

V članku s fitocenološkimi tabelami opisujemo grmiščne in gozdne združbe, v katerih v slovenskih Alpah uspeva vrsta *Alnus viridis*. Opisali smo tri nove asociacije: *Rhododendro hirsuti-Alnetum viridis* (združba zelene jelše na karbonatni podlagi v vzhodnih in jugovzhodnih Alpah), *Huperzio selagi-Alnetum viridis* (združba zelene jelše v silikatnem skalovju pod goro Komen v vzhodnih Savinjskih Alpah) ter *Alno viridis-Sorbetum aucupariae* (sukcesijski stadij jerebike in zelene jelše na potencialno bukovih rastiščih v prigorju južnih Julijskih Alp, podobne stadije poznajo tudi drugod v Alpah) ter predstavili še tri druge asociacije (*Polysticho lonchitis-Fagetum, Rhodothamno-Laricetum* in *Rhododendro hirsuti-Pinetum mugo*), v čigar sestojih uspeva zelena jelša.

Ključne besede: fitocenologija, sinsistematika, *Alnetum viridis*, *Rhododendro hirsuti-Alnetum viridis*, *Huperzio selagi-Alnetum viridis*, *Alno viridis-Sorbetum aucupariae,* Julijske Alpe, Karavanke, Smrekovško pogorje.

1. INTRODUCTION

Alnus viridis [syn. *Alnus alnobetula* (Ehrh.) Hartig] is a species with Eurasian and North American distribution. Its nominate subspecies *Alnus viridis* subsp. *viridis* is a south-European montane taxon known across the Alpine Arc, in the Pyrenees, Apennines, Carpathians, the Dinaric and Balkan Mountains (Ball 1993, Aeschimann et al. 2004: 230). It is a character species of the class *Betulo carpaticae-Alnetea viridis* that incorporates subalpine alder and willow scrub communities. Its communities in the Alps are well studied and are known also in other mountain ranges (e.g. in the Balkan Peninsula – Čolić et al. 1963, Stefanović & Beus 1982, Stefanović 1986: 211, Tzonev

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et al. 2009, and in North America – Talbot et al. 2005). A synthetic overview of phytosociological studies of *Alnus viridis* communities in the Alps was published by Boscutti et al. (2013). In Slovenia, green alder is relatively common only in the Alpine and pre-Alpine phytogeographical regions, but there are individual localities in the Dinaric, pre-Dinaric and sub-Pannonian phytogeographical region (Figure 1). Brus (2008: 33) mentions its occurrence on the Nanos plateau, which would be its southernmost locality in Slovenia. However, the original source of this information is unrealiable and was therefore not included in the distribution map. Green adler sites are mainly in the altimontane and subalpine belt, some also in the lower part of the alpine belt (the highest it was spotted was on Prestreljeniški podi in the Kanin Mountains, at the elevation of around 2250 m). Sporadically, it occurs also in the lower montane belt. The lowest locality where it was spotted by the authors was at around 500 m a.s.l. at Dolenji Novaki in the Cerkljansko region. In literature there are reports of even lower-elevated localities. Most of them are listed by Paulin (1915: 189) for the vicinity of Ljubljana: Šišenski hrib, 400 m a.s.l.; Velika Trata at Šentvid, 350 m a.s.l.; Golovec, 400 m a.s.l.; Hrušica and Bizovik under Golovec, around 350 m a.s.l.; above the right bank of the Sava at Laze (under Janče), 450 m a.s.l. (former occurrence of green alder on Rožnik was discussed also by Šercelj, 1996: 66, and by Fleischmann for Golovec, 1844: 136). Very low, at around 400 m a.s.l., is also the locality on Goričko (Križarka – Boreča) – Bakan (2006: 63). In Slovenia, green alder usually grows on fresh, often acid soil (eutric and dystric brown soils), on mountain hay meadows and pastures, forest edges and reaches its ecological optimum in moist, shady gullies where snowslides occur in the winter. Geological bedrock on its sites is usually mixed (limestone with addition of marlstone, claystone or chert) or silicate (marlstone, claystone, chert, igneous and metamorphic rocks). However, it frequently occurs also on pure limestone, dolomite limestone or dolomite, in places where the soil is moist enough and acid due to

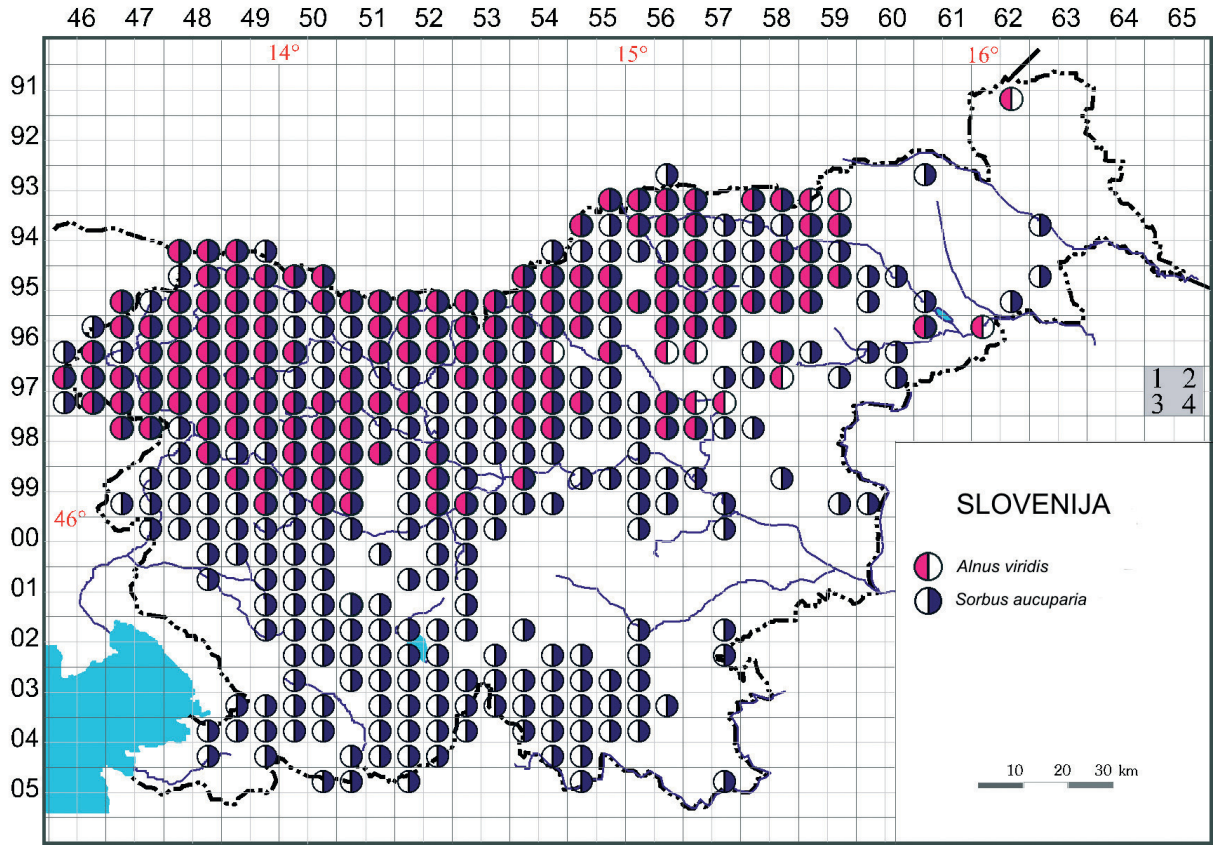


Figure 1: Distribution of *Alnus viridis* and *Sorbus aucuparia* in Slovenia
Slika 1: Razširjenost vrst *Alnus viridis* in *Sorbus aucuparia* v Sloveniji

slow decomposition of organic matter in surface horizons (moder rendzina). Green alder therefore requires sufficient light and high soil moisture, but has no special temperature requirements and is well-adapted to snow accumulation and resistant to snow mould. Sufficient and constant water supply is crucial for its growth and symbiotic fungi in the soil supply nitrogen from the air (Richard 1969, quoted after Mertz 2000: 374). As a heliophilous species it is not very common in forest communities. It occurs in communities characterised by natural, open tree layer; e.g., very rarely in acidophilous Scots pine stands of the association *Vaccinio myrtilli-Pinetum sylvestris* (Šercelj 1996: 66), scattered to frequent in eastern-Alpine larch stands (*Rhodothamno-Laricetum*) – Dakskobler (2006), scattered (constancy 1 or 2) also in several spruce communities (*Adenostylo glabrae-Piceetum* – Zupančič (1999), *Avenello flexuosae-Piceetum* – M. Wraber (1955: 15) and *Asplenio-Piceetum*) and in subalpine beech stands (*Polysticho lonchitis-Fagetum*). In successional stages it grows also on the sites of the syntaxa *Luzulo-Fagetum abietetosum* and *Luzulo sylvaticae-Piceetum*. It is relatively common in subalpine scrub communities, especially in Alpine dwarf pine scrub (*Rhododendro hirsuti-Pinetum mugo*) where it has constancy 2 – Zupančič et al. (2006), in the Carphathian birch community (*Rhododendro hirsuti-Betuletum carpaticae*) – Dakskobler et al. (2012) and in subalpine willow communities (*Salicetum waldsteinianae* – (Zupančič & Žagar (2001), Surina 2005) and *Aceri-Salicetum appendiculatae*). One of the first descriptions of green alder stands as a community in the territory of today's Slovenia was published by Paulin (1915: 188–190). When describing the new locality of *Athyrium distentifolium = A. alpestre* in the Karavanke Mountains he listed all the species growing in the green alder community (formation). The locality of the relévé is under Lepi vrh above the Kočna Saddle in the Struška ridge, at the elevation of around 1680 m. A phytosociological table of green alder stands (*Alnetum viridis* s. lat.) with four relevés from the Austrian side of the Karavanke was published by Aichinger (1933: 173–174), while Seljak (1974) and Piskernik (1982) published two phytosociological tables of this community in Slovenia. Seljak published six relevés from Mt. Porezen in his graduation thesis and Piskernik applied his own method in making nine relevés on Mt. Porezen and three under Mt. Olševa. According to our opinion *Alnus viridis* stands occupy a significant ecological niche and their protective role against erosion and snowslides is important also in the Southeastern Alps but they have not yet been sufficiently phytosociologically researched in Slovenia. By processing the material which we had obtained mainly in the phytosociological research of subalpine beech and larch forests in the Julian Alps, the Kamnik-Savinja Alps and the Karavanke Mountains, we described some of the communities where it occurs.

2. METHODS

Vegetation on the sites of *Alnus viridis* was researched applying the Central-European method (Braun-Blanquet 1964). We made a total of 44 relevés of scrub communities with dominant green alder. These relevés were combined with additional six relevés of this community from Seljak's graduation thesis (1974). These 50 relevés were entered into the FloVegSi database (Seliškar et al. 2003). Combined cover-abundance values were transformed into ordinal values (van der Maarel 1979). Numerical comparisons were made with the software package SYN-TAX (Podani 2001) and R (R Development Core Team 2012), using the package "vegan" (Oksanen et al. 2012). The relevés were compared using the following methods: "(Unweighted) average linkage" – UPGMA, "Incremental sum of squarres" – MISSQ and "Principal Coordinates Analysis" – PCoA. Wishart's similarity ratio was applied in this comparisons. For their suitable syntaxonomic classification a synthetic table was made in which we compared the communities from Slovenia with similar communities from other regions of the Alps in Austria, Italy and Switzerland. Our decision for such comparison was partly based on the fact that we did not have access to all analytic tables, while we did have at our disposal synthetically organised material for the entire territory of Austria. Even more decisive, however, was our conclusion that only the synthetic table provides the means to effectively present the floristic individuality of a syntaxon, which is always an abstract unit and therefore usually requires as many relevés of actual stands in nature as possible for an accurate description. As a rule, none of these stands serves as a typical representative of the described syntaxon, which is only a synthesis of all actual relevés. Although we compared columns, some of which differed

considerably in the number of relevés, this did not significantly affect the results (e.g. the columns with four and seven relevés did not group together). The columns (syntaxa) in the synthetic table were compared applying the same methods as for the relevés in the analytic table. In order to obtain full information on the sites of green alder in Slovenia we used those relevés from the FloVegSi database that we made of larch, dwarf pine and subalpine beech stands that comprise also this species; these relevés were subsequently arranged into three separate tables (subalpine beech stands, larch stands, dwarf mountain-pine stands). Two pioneer communities with frequent green alder (*Alno viridis-Sorbetum aucupariae* and *Rhododendro hirsuti-Betuletum carpaticae*) were also included in the comparison.

A phytoindication analysis in the stands with green alder was carried out using ecological indicator values (Landolt et al. 2010). In the relevés we determined average conditions in terms of temperature (T), continentality (K), light conditions (L), moisture (M), soil reaction (R), nutrients (N), humus content (H) and aeration (A). In our calculations we used van der Maarel's ordinal plant cover values as weight that was reduced by half in indicator values with a higher degree of variation (Landolt et al. 2010).

$$WA_{pop} = \frac{\sum_{i=1}^{s}\left(FV_i \times Abund_i \times VR_i\right)}{\sum_{i=1}^{s}\left(Abund_i \times VR_i\right)}$$

where WA_{pop} is the weighted average of indication values of plant species for an ecological factor on a relevé, FV_i is the phytoindication value of the *i*th species, $Abund_i$ is cover value, VR_i is range of variation of phytoindication value (I = 1, II = 0.5) and *s* the number of species in a relevé.

Relevés of the stands with green alder were compared using the Canonical Analysis of Principal Coordinates – CAP (Anderson & Willis 2003) on the basis of Bray-Curtis dissimilarity index where weighted averages of Landolt phytoindication values (WA_{pop}) were used as constrained variables.

The nomenclature source for the names of vascular plants is the Mala flora Slovenije (Martinčič et al. 2007). Martinčič (2003, 2011) is the nomenclature source for the names of mosses and Suppan et al. (2000) are the nomenclature source for the names of lichenicolous fungi. The nomenclature sources for the names of syntaxa are Theurillat (2004) and Šilc & Čarni (2012). The data on the geological bedrock follow Jurkovšek (1987 a, b) and Buser (2009); the source for the nomenclature of soil types is Urbančič et al. (2005). Ecological description of the Smrekovec Mountains follows Lovrenčak et al. (1998) and Martinčič (2008). Climate data (precipitation volume, mean temperature) were obtained on the website of the Environmental Agency of the Republic of Slovenia, Ministry of Agriculture and Environment (http://www.arso.gov.si/).

3. RESULTS AND DISCUSSION

3.1 Conspectus of determined and described syntaxa

Betulo carpaticae-Alnetea viridis Rejmánek in Huml et al. 1979
- *Alnetalia viridis* Rübel ex Huml et al. 1979
  - *Alnion viridis* Schnyder 1930
    - *Alnetum viridis* Berger 1922 *typicum* Karner 2007
    - *Rhododendro hirsuti-Alnetum viridis* ass. nova hoc loco
    - *Huperzio selagi-Alnetum viridis* ass. nova hoc loco
    - *Alno viridis-Sorbetum aucupariae* ass. nova hoc loco
    - *Alno viridis-Aceretum pseudoplatani* nom. prov.

Querco-Fagetea Br.-Bl. & Vlieg. 1937
- *Fagetalia sylvaticae* Walas 1933
  - *Aremonio-Fagion* (Ht. 1938) Borhidi in Török, Podani & Borhidi 1989
    - *Polysticho lonchitis-Fagetum* (Horvat 1938) Marinček in Poldini et Nardini 1993

Vaccinio-Piceetea Br.-Bl. in Br.-Bl., Sissingh & Vlieger 1939 (= *Vaccinio-Piceetea* Br.-Bl. 1939 emend. Zupančič (1976) 2000)
- *Piceetalia excelsae* Pawłowski in Pawłowski & al. 1928 (= *Vaccino-Piceetalia* Br.-Bl. 1939 em. Lund. 1967).
  - *Pinion mugo* Pawłowski 1928 (*Erico-Pinion mugo* Leibundgut 1948)
    - *Rhodothamno-Laricetum* (Zukrigl 1973) Willner & Zukrigl 1999
    - *Alno viridis-Laricetum deciduae* nom. prov.
    - *Rhododendro hirsuti-Pinetum prostratae* Zöttl 1951 (= *Rhodothamno-Pinetum mugo* Zupančič et Žagar in Zupančič 2013, sensu Zupančič 2013)

3.2 Description of communities with dominant *Alnus viridis*

Based on our comparisons (Figure 2) the collected relevés with dominant *Alnus viridis* in Slovenia were arranged into three columns and compared with green alder communities elsewhere in the Alps. Three types of green alder stands in Austria (Karner 2007a, b) were classified into the synthetic table (Table 4): *Alnetum viridis typicum*, *Alnetum viridis aceretosum pseudoplatani* nom. prov. and *Alnetum viridis rhododendretosum ferruginei* nom. prov., as well as a green alder community (*Alnetum viridis* s. lat.) on the Austrian side of the Karavanke Mountains (Aichinger 1933), stands of the association *Alnetum viridis* from Switzerland (Braun-Blanquet 1973) and stands of the association *Rhododendro ferruginei-Alnetum viridis* from different parts of the Alps (Boscutti et al. 2013). Thus we obtained a table with nine columns which we compared applying hierarchical classification and two-dimensional ordination (PCoA). The results (Figures 3 and 4) demonstrate that the syntaxa form three groups. Among the compared communities the green alder stands recorded in the Smrekovec Mountains in the Savinja Alps stands out the most. The other two of our communities are most similar to the stands of the subassociation *Alnetum viridis aceretosum pseudoplatani* and to green alder stands from the Austrian side of the Karavanke Mts. The third group comprises the syntaxa *Alnetum viridis typicum*, *Alnetum viridis rhododendretosum ferruginei* and *Rhododendro ferruginei-Alnetum viridis*.

The syntaxa from the first group could be classified into Karner's provisional subassociation *Alnetum viridis aceretosum pseudoplatani*. In addition to some character species of the association *Alnetum viridis* s. lat. (e.g. *Viola biflora*, *Saxifraga rotundifolia* and *Adenostyles alliariae*), all differential species of this subassociation are well represented in our stands. However, the dendrogram demonstrates that green alder stands on fresh limestone sites differ substantially from green alder stands on silicate bedrock. Although the analysis conducted by Boscutti et al. (2013) did not confirm this – they determined the occurrence of only two large groups (*Alnetum viridis* and *Rhododendro ferruginei-Alnetum viridis*) – our comparison demonstrates that the stands of the subassociation *Alnetum viridis aceretosum pseudoplatani* are less similar to the stands of the typical form *Alnetum viridis typicum* than are the stands of the association *Rhododendro fer-*

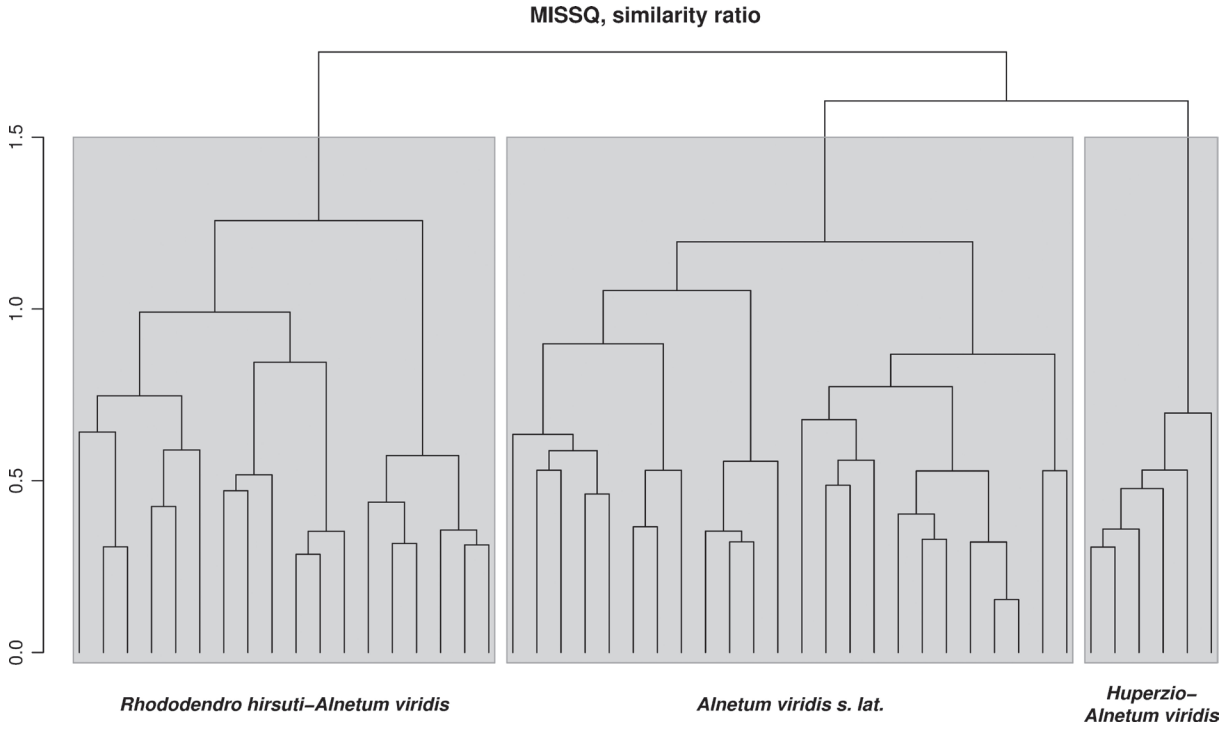
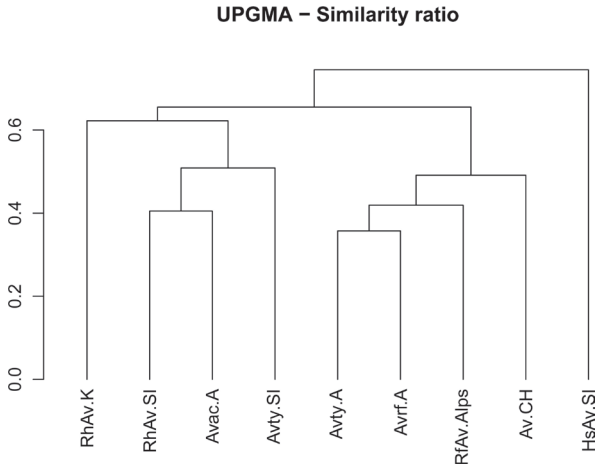


Figure 2: Dendrogram of relevés with dominant *Alnus viridis* in Slovenia (MISSQ, similarity ratio).
Slika 2: Dendrogram popisov z dominantno zeleno jelšo v Sloveniji (MISSQ, similarity ratio).



RhAv.SI *Rhododendro hirsuti-Alnetum viridis*, Slovenia
RhAv.K *Rhododendro hirsuti-Alnetum viridis*, the Karavanke Mts., Austria
Avty.SI *Rhododendro hirsuti-Alnetum viridis* / Alnetum viridis, Slovenia
Avac.A *Alnetum viridis aceretosum pseudoplatani*, Austria
Avty.A *Alnetum viridis typicum*, Austria
Av.CH *Alnetum viridis,* Switzerland
Avrf.A *Alnetum viridis rhododendretosum ferruginei*, Austria
RfAv.Alps *Rhododendro ferruginei-Alnetum viridis*, the Alps
HsAv.SI *Huperzio selagi-Alnetum viridis*, Slovenia

Figure 3: Dendrogram of communities with dominant *Alnus viridis* in the Alps (UPGMA, similarity ratio).

Slika 3: Dendrogram združb z dominantno zeleno jelšo v Alpah (UPGMA, similarity ratio).

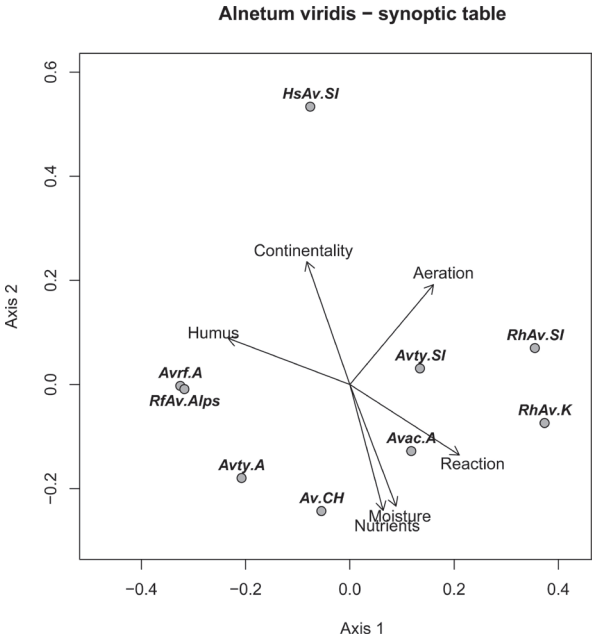


Figure 4: Two-dimensional scatter-diagram of communities with dominant *Alnus viridis* in the Alps (PCoA, similarity ratio). First two ordination axes explain 34,84% and 25,31% of total variation respectively. Arrows represent Landolt's indicator values as passive variables in the analysis.

Slika 4: Dvorazsežni ordinacijski diagram združb z dominantno zeleno jelšo v Alpah (PCoA, similarity ratio). Prvi dve ordinacijski osi pojasnita 34,84% oz. 25,31% skupne variabilnosti. Puščice predstavljajo Landoltove indikacijske vrednosti, kot pasivne spremenljivke v analizi.

ruginei-Alnetum viridis. In our opinion, a higher syntaxonomical rank for green alder stands on silicate bedrock (*Alnetum viridis rhododendretosum ferruginei = Rhododendro ferruginei-Alnetum viridis*) is justified, and based on our analysis we likewise confirm a higher syntaxonomical rank for green alder stands on calcareous (limestone and dolomite) bedrock. Our comparisons allow the possibility to consider the more or less primary green alder stands on predominantly calcareous bedrock in the Eastern and Southeastern Alps as an independent association *Rhododendro hirsuti-Alnetum viridis* ass. nova hoc loco and we have therefore increased their rank. Diagnostic (differential) species of the new association are *Rhododendron hirsutum*, *Sorbus chamaemespilus*, *Polystichum lonchitis*, *Valeriana tripteris*, *Asplenium viride*, *Aconitum lycoctonum* s. lat., *Galeobdolon flavidum*, *Thalictrum aquilegiifolium*, *Salix waldsteiniana*, *Adenostyles glabra, Cystopteris montana*, *Acer pseudoplatanus* and *Primula elatior*, which is a differential combination whose frequency efficiently differentiates these green alder stands from those on silicate bedrock (*Alnetum viridis typicum*, *Rhododendro ferruginei-Alnetum viridis*). Some character species of the alliance *Aremonio-Fagion* (*Cardamine enneaphyllos*, *C. trifolia*, *Cyclamen purpurascens*, *Knautia drymeia*) that occasionally occur in these stands also have a certain diagnostic (differential) value (see also Table 5, columns 1–4). In central Bosnia, on Mt. Vranica, in the subalpine belt and on silicate and mixed bedrock (Paleozoic slates, phyllite, in places admixture of limestone), Stefanović & Beus (1982) described the association *Athyrio-Alnetum viridis* which in places comprises also *Rhododendron hirsutum* (after which they named the subassociation *Athyrio-Alnetum viridis rhododendretosum hirsuti*). In some stands of this community there are also other diagnostic species of the association *Rhododendro hirsuti-Alnetum viridis: Valeriana tripteris, Polystichum lonchitis*, *Asplenium viride*, *Primula elatior, Acer pseudoplatanus* and *Sorbus chamaemespilus*. Nevertheless, the full floristic composition of

the association *Athyrio-Alnetum viridis* is considerably different from the composition of the association *Rhododendro hirsuti-Alnetum viridis* and Sørensen's coefficient of floristic similarity [2c/(a+b), where a is the number of species in the association *Rhododendro hirsuti-Alnetum viridis*, b is the number of species in the association *Athyrio-Alnetum viridis* and c is the number of species, that are common to both syntaxa] is only about 20% – Sørensen (1948). The species that differentiate it from the association *Rhododendro hirsuti-Alnetum viridis* are *Athyrium distentifolium* (mainly due to its constancy and abundance), *Hypericum alpinum* (= *H. richeri*), *Laserpitium marginatum* (= *L. krapfii*), *Doronicum columnae* and *Salix silesiaca*. The nomenclature type, *holotypus*, of the new association *Rhododendro hirsuti-Alnetum viridis*, is relevé No. 5 in Table 1. Relevés from the Southeastern Alps (the Julian Alps, the Karavanke Mountains) are slightly different from the relevés from other parts of the Eastern Alps, so they are treated as a special geographical variant with *Homogyne sylvestris*. The differential species of this geographical variant are also *Festuca nitida*, *Paederota lutea* and *Lamium orvala*.

Phytosociological Table 1 (see also column 2 in Table 4 and Figure 4), which contains the nomenclature type of the new association, comprises the green alder relevés that were made on steep shady slopes (the usual slope is 30° to 45°), mainly in gullies, on limestone and dolomite bedrock or on their talus slopes. Limestone is very rarely admixed with claystone. The soil is mainly initial, moist, with a more or less thick layer of moder or raw humus, which is the consequence of slow decomposition of organic matter. The soil type is rendzina. The elevation of the relevés is between 1330 m and 1815 m, the climate is montane, humid, with annual precipitation between 1800 mm (in the east) and 2500 mm (in the west) and mean annual temperature between 0 °C and 4 °C. Snow covers the ground for 150 to 200 days of the year. These relevés were partly made in the forest belt, mainly in the belt of subalpine larch forests from the association *Rhodothamno-Laricetum*, in gullies with snow sliding every year, which prevents normal development of the forest. Green alder stands in these gullies are a long-term successional stage. Some of the relevés were made also above the timberline, at the elevation between 1750 m and 1815 m, in places where environmental factors still allow scrub growth. In such cases green alder stands represent the final development stage of vegetation and due to their exposed positions progressive development towards subalpine larch or spruce forests is impossible. A relatively rich species composition of these green alder stands is dominated by species of subalpine scrub communities and tall herbs, as well as spruce forest species (see also Table 5, column 2). It comprises also some beech forest species (e.g. *Daphne mezereum*, *Cardamine enneaphyllos*, *Paris quadrifolia* and *Mercurialis perennis*). There are four distinct variants. The variant *typica* is represented by only one relevé that was made in Komar above the Zadnjica valley in Trenta, under the rock faces of Kanjavec. Relevés on steep shady slopes under Mt. Črna prst (the highest-lying recorded green alder stands) are classified into the variant with *Rhodiola rosea* and the green alder stands on talus slopes above the pasture Za Liscem and in the Stara Fužina Pasturelands (under Mizčna glava) into the variant with *Soldanella alpina*. The variant with *Hepatica nobilis* (differential species are also *Saxifraga cuneifolia*, *Aconitum tauricum* and *Helleborus niger*) characterises very steep dolomite gullies under Olševa above the Koprivna valley.

Table 2 comprises green alder stands whose common trait is that they usually grow as a pioneer stage on former agricultural land, pastures and hay meadows, still in the belt of beech, fir-beech or spruce forest. Geological bedrock is most frequently mixed, limestone or dolomite with addition of marlstone, claystone and chert, or entirely silicate (claystone, igneous rocks). These relevés separated from the relevés of "primary" green alder stands of the association *Rhododendro hirsuti-Alnetum viridis* (Figure 2), but synthetic comparison (Figures 3 and 4) showed more similarity with them than with green alder stands from other Alpine regions. Phytogeographical factor clearly played a decisive role here. Nevertheless, a major part of these stands is not classified into the new association *Rhododendro hirsuti-Alnetum viridis*. The only exceptions are relevés 17 to 24 in Table 2. These were made on northern peak slopes of Mt. Porezen, where the forest had been cleared for pastures a long time ago, and on the foothills of the southern Julian Alps (Kobla, Slatnik, Bizle above Rut). The elevation of these relevés is between 1320 m and 1600 m and the ecological conditions (i. e. steep slopes, predominant shady exposition, climate) are very similar to those listed in the description of the new association. Relevés 1 to 5 are

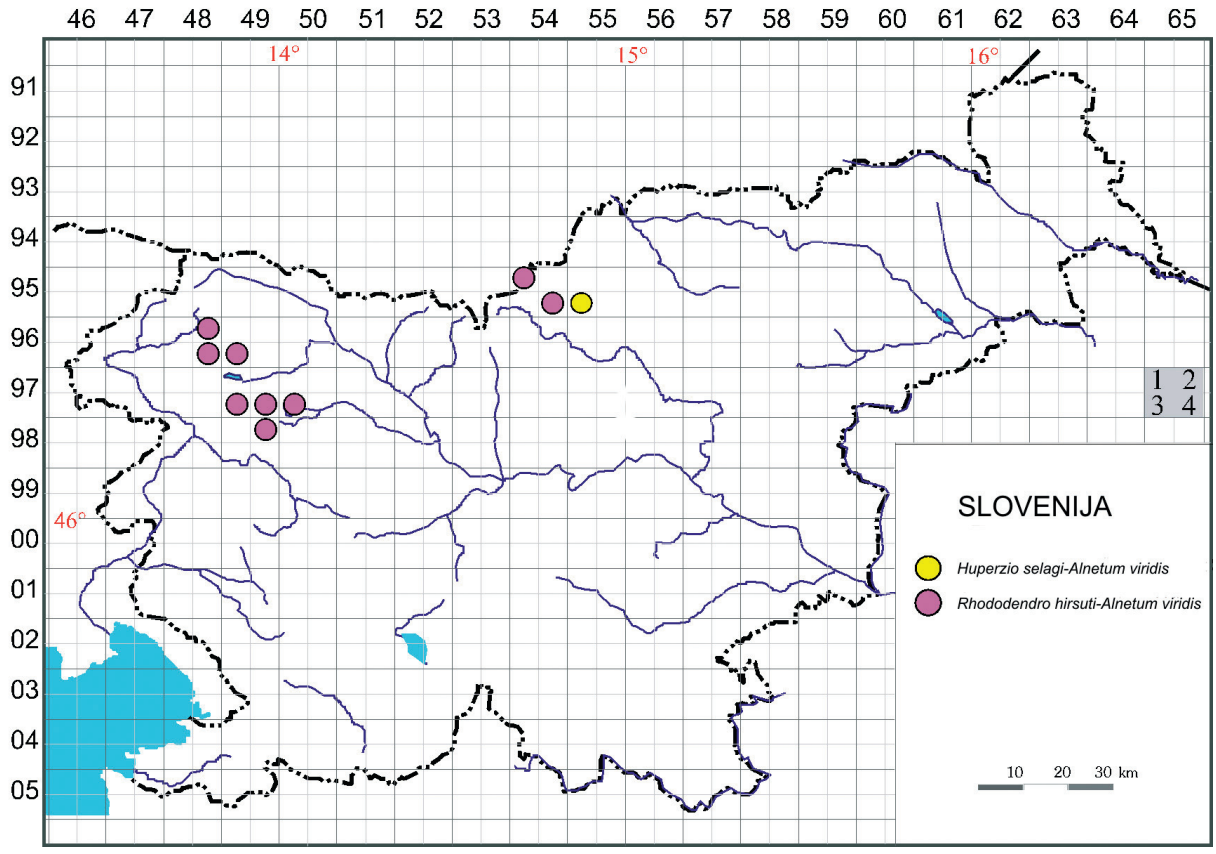


Figure 5: Approximate localities of stands of the associations *Rhododendro hirsuti-Alnetum viridis* and *Huperzio selagi-Alnetum viridis* in Slovenia.
Slika 5: Približna nahajališča sestojev asociacij *Rhododendro hirsuti-Alnetum viridis* in *Huperzio selagi-Alnetum viridis* v Sloveniji.

Scrub comunity with dominant *Alnus viridis* (*Rhododendro hirsuti-Alnetum viridis*), the northern slopes of Mt. Črna prst.

Grmišče s prevladujočo zeleno jelšo (*Rhododendro hirsuti-Alnetum viridis*) na severnih pobočjih Črne prsti.

classified into the subassociation *Alnetum viridis typicum*. These are relevés from the western and eastern Karavanke Mts. and the Smrekovec Mts. They were made at the elevation ranging from 1370 m to 1720 m a.s.l., on shady aspects with lower slopes. The climate is montane, but less humid than in the Julian Alps. Character species of the association *Alnetum viridis* are well represented, which cannot be said for the differential species of the associations *Rhododendro hirsuti-Alnetum viridis* and *Rhododendro ferruginei-Alnetum viridis*. Of all the relevés compared, relevés No. 6 to 16 the most clearly stand out as pioneer stands on abandoned alpine pastures on potential beech sites. These relevés were made at the elevation between 1250 m and 1450 m on abandoned pastures under Kobilja glava and Jalovnik in the foothills of the Julian Alps; one relevé is from Otavnik near Porezen. These stands are relatively young and character species of the association *Alnetum viridis* only sporadically occur in their floristic

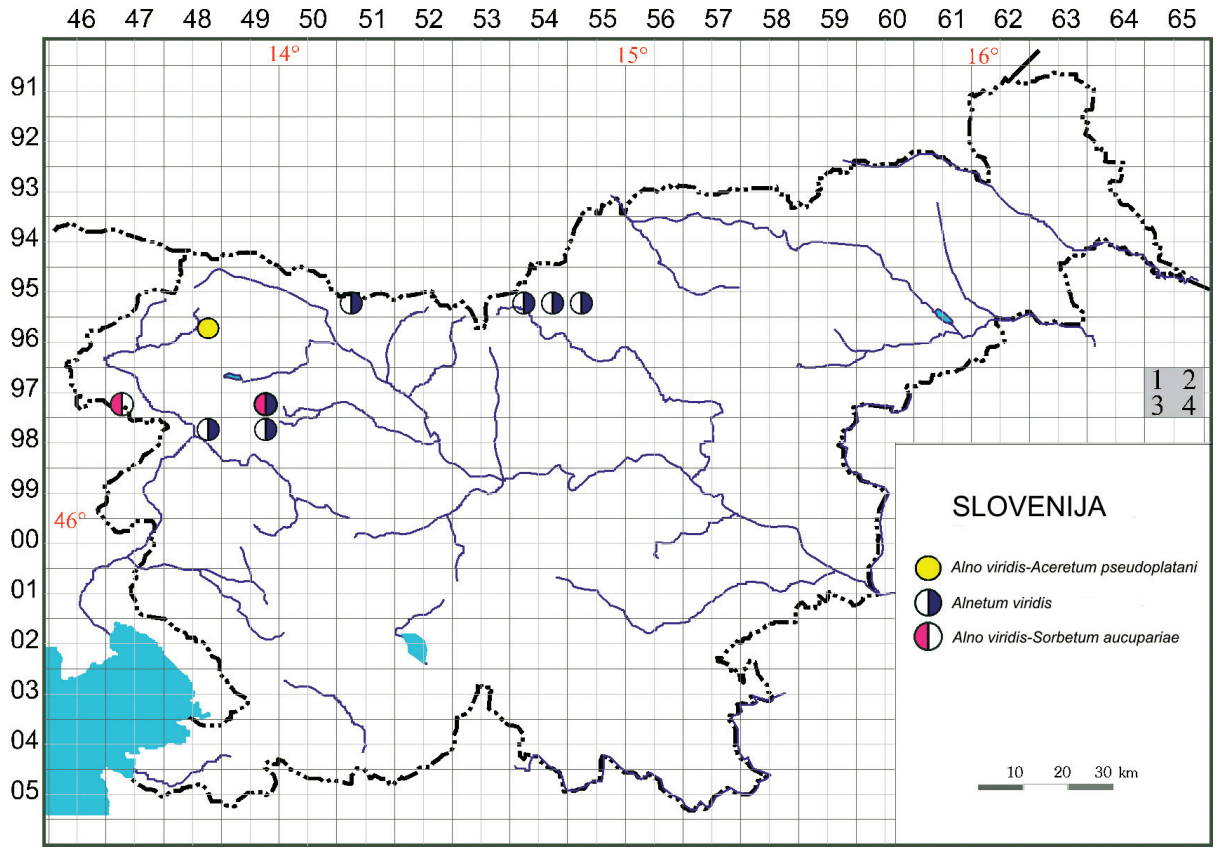


Figure 6: Approximate localities of stands of the associations *Alnetum viridis* s. lat., *Alno viridis-Sorbetum aucupariae* and *Alno viridis-Aceretum pseudoplatani* in Slovenia.
Slika 6: Približna nahajališča sestojev asociacij *Alnetum viridis* s. lat., *Alno viridis-Sorbetum aucupariae* and *Alno viridis-Aceretum pseudoplatani* v Sloveniji.

Stand of the association *Rhododendro hirsuti-Alnetum viridis* on the northern slopes of Mt. Olševa.

Sestoj asociacije *Rhododendro hirsuti-Alnetum viridis* na severnih pobočjih Olševe.

composition. For now, these relevés are treated within the macroassociation *Alnetum viridis* s. lat., but without a detailed syntaxonomic definition.

Table 3 comprises six relevés that were made in the Smrekovec Mts. in the eastern Savinja Alps, on very steep shady slopes under Mt. Komen (Kamen) at the elevation between 1640 m and 1670 m (Figure 5). Geological bedrock is composed of igneous rocks with predominating andesite; the soil type is ranker or shallow dystric Cambisol. The climate is montane, with annual precipitation of around 1800 mm and mean annual temperature of 0 °C to 2 °C. These relevés are different from all other relevés compared (compare Figures 2, 3 and 4). Their sites are quite extreme, steep rocks or gullies that cannot be populated by forest vegetation (in this case subalpine spruce forest from the association *Luzulo sylvaticae-Piceetum*). For now, green alder scrubs therefore remain the highest stage of vegetation development and a long-term successional stage. In gen-

Pioneer green alder scrub community (*Alnetum viridis* s. lat.) on formerly pastures on potential sites of altimontane beech forests, northern slopes of Mt. Kobilja glava in the southern Julian Alps.

Pionirsko grmišče zelene jelše (*Alnetum viridis* s. lat.) na nekdanjih pašnikih na potencialnih rastiščih altimontanskega bukovega gozda na severnih pobočjih Kobilje glave v južnih Julijskih Alpah.

eral, fewer species grow in these stands than in the stands of previously described syntaxa. Absent are especially character species of subalpine scrubs and tall herbs from classes *Betulo-Alnetea* and *Mulgedio-Aconitetea,* which are also character species of the macroassociation *Alnetum viridis* s. lat. More common, in addition to the green alder, are sporadically only *Viola biflora*, *Veratrum album* subsp. *album* and *Stellaria nemorum*. Species with the highest constancy and medium cover belong to the class of spruce forests *Vaccinio-Piceetea* (see also column 9 in Table 5). They include *Vaccinium myrtillus*, *V. vitis-idaea*, *Calamagrostis villosa*, *Picea abies*, *Avenella flexuosa*, *Phegopteris connectilis*, *Dryopteris dilatata*, *Luzula sylvatica*, *Lycopodium annotinum*, *Huperzia selago*, *Homogyne alpina* and *Thelypteris limbosperma*. Diagnostic value have also some species characteristic for silicate rocks or acid subalpine-alpine grasslands and spring areas, such as *Primula villosa, P. minima, Campanula alpina*, *Agrostis rupestris*, *Festuca varia* and *Saxifraga stellaris* subsp. *prolifera*. These stands comprise also some diagnostic species of the above mentioned or described associations, for example *Rhododendron hirsutum*, *Valeriana tripteris*, *Vaccinium myrtillus*, *Rubus idaeus* and *Dryopteris dilatata*; however, these species cannot be classified neither into the association *Rhododendro hirsuti-Alnetum viridis* (due to the absence of most of its diagnostic species and tall herb species), nor into the association *Rhododendro ferruginei-Alnetum viridis* (into which they should be classified based on the ecological conditions and geological bedrock), because they do not comprise the species *Rhododendron ferrugineum* nor a number of diagnostic species of the classes *Betulo-Alnetea* and *Mulgedio-Aconitetea*. The absence of the latter species does not allow for the classification of these stands into the syntaxon *Alnetum virdis typicum*. Because of their obvious floristic uniqueness they are classified into the new association *Huperzio selagi-Alnetum viridis* ass. nova hoc loco. Its nomenclature type, *holotypus*, is relevé No. 1 in Table 3. Diagnostic species of the new asso-

ciation are *Vaccinium vitis-idaea*, *Lycopodium annotinum, Huperzia selago*, *Thelypteris limbosperma, Festuca guestfalica, F. varia, Primula minima*, *P. villosa* and two mosses (the moss layer in this community is in fact relatively rich) – *Rhytidiadelphus loreus* and *Sphagnum russowii*. The listed species reflect the characteristics of subalpine sites on silicate rocks with distinctly acid soil. In addition to the typical variant we distinguish also the variant with *Vaccinium gaultherioides* (the differential species is also *Empetrum hermaphroditum*) in very steep andesite rocks. The stands of the association *Huperzio-Alnetum viridis* are yet another vegetation feature of the Smrekovec Mts., which are known for their unique flora and vegetation (Petkovšek 1945, T. Wraber in Lovrenčak et al. 1998, Martinčič 2008, Juvan et al. 2011).

Stand of the association *Huperzio selagi-Alnetum viridis* on northern slopes of Mt. Komen (Kamen) in the Smrekovec Mountains.

Sestoj asociacije *Huperzio selagi-Alnetum viridis* na severnih pobočjih Komna (Kamna) v Smrekovškem pogorju.

3.3 Description of some forest communities with green alder in the shrub layer

3.3.1 *Alno viridis-Sorbetum aucupariae* ass. nova

Table 6 comprises ten relevés of pioneer forest stands whose tree layer is dominated by mountain ash (*Sorbus aucuparia*) and which developed in the belt of altimontane and subalpine beech forests (*Ranunculo platanifolii-Fagetum*, *Polysticho lonchitis-Fagetum*) in the southern Julian Alps and their foothills (Figure 6). Primary forest vegetation has been either cleared for hay meadows or pastures, or destroyed by snowslides (see relevé 4). Green alder was frequently the first to have established itself on steep, often stony or rocky shady slopes after agricultural land use was abandoned, but was replaced in the succession by the mountain ash that now builds the upper stand layer and reaches a tree height of about 10 metres and up to 30 cm in diameter at breast height. Progressive development into the beech forest is very long on these extreme sites, so it seems appropriate to treat these pioneer stands at the rank of association. Recently, phytosociologists have been incorporating similar pioneer forests on fresh sites in the montane belt whose tree layer is dominated by *Salix caprea*, *Populus tremula*, *Betula pendula* or *Sorbus aucuparia* into the alliance *Sambuco-Salicion capreae* (order *Sambucetalia racemosae* and class *Rhamno-Prunetea*) – Exner & Willner (2007). In Slovenia, mountain ash (*Sorbus aucuparia*) is found mainly admixed in beech, fir-beech, spruce and larch forests in submontane, montane and subalpine belt. It is distributed in most of the country (it is rare only in the Primorje region, in the Karst and Istria, as well as in south-eastern Slovenia and the Prekmurje region) – Figure 1. Distribution of both subspecies (subsp. *aucuparia* and subsp. *glabrata*), has not been so well researched. According to the data in the FloVegSi database, the subspecies *Sorbus aucuparia* subsp. *glabrata* grows in the Alps (the Julian and the Kamnik-Savinja Alps, the Karavanke Mts., Pohorje) and on the Trnovski gozd plateau. Our findings have shown that, at least in the Julian Alps, this is a very rare subspecies and that even in the subalpine communities, larch stands, dwarf pine and green alder stands, the typical form, *Sorbus aucuparia* subsp. *aucuparia*, prevails. Only the typical subspecies was determined also in the case of the described pioneer stage. M. Wraber (1960) mentions mountain ash as an important tree species in two montane communities on Pohorje, in maple forests *Sorbo aucupariae-Aceretum pseudoplatani* and in spruce forests *Sorbo aucupariae-Piceetum*. Its pioneer stands are also likely to be found here. Mountain ash and green alder stands are known also elsewhere in the Alps. ETH

Zürich students (Hari, Leisinger & Zysset 1993) pointed to the occurrence of a similar mountain ash community in Switzerland in 1993, but did not back that up with further publication. Steiger (1994: 96, 2010: 129) in his work on Swiss forests mentions the association *Alno viridis-Sorbetum aucupariae* prov., which indicates it has not yet been described according to the rules of the Code of Phytocoenological Nomenclature (Weber et al. 2000). This article aims to compensate for that. Since we do not have access to the published relevés of this community elsewhere in the Alps, we selected as its nomenclature type, *holotypus*, a relevé from our table, i.e. relevé No. 6 in Table 6. Diagnostic species of the new association are *Sorbus aucuparia*, *Salix appendiculata*, *Alnus viridis*, *Senecio cacaliaster* and *Veratrum album* subsp. *lobelianum*. The new association is classified into the alliance *Alnion viridis*, order *Alnetalia viridis* and class *Betulo-Alnetea*. Such classification is justified with the domination of the species of this class and tall herbs from the class *Mulgedio-Aconitetea*. There is no sound basis that would justify classification of the new association into the alliance *Sambuco-Salicion capreae* and class *Rhamno-Prunetea* on the grounds of its floristic composition. These stands are not common in the Julian Alps and their foothills. So far, they have been recorded on the northern slopes of Matajur, on Sanek above Stržišče in the Bača Valley and under Mts. Kobla and Črna gora in Bohinj (Figure 6), at the elevation between 1300 m and 1600 m, in montane and very humid climate, with mean annual precipitation of between 2200 mm and 2800 mm. The new association is divided into two subassociations. The subassociation *Alno viridis-Sorbetum aucupariae adenostyletosum glabrae* subass. nova hoc loco characterises steep, shady, stony limestone sites with rendzina or shallow brown calcareous soil with frequent snowslides. The nomenclature type, *holotypus*, of this subassociation is the nomenclature type of the new association (relevé No. 6 in Table 6). Differential species of the subassociation are *Adenostyles glabra*, *Asplenium viride*, *Cystopteris fragilis* and *Soldanella alpina*. The subassociation *Alno viridis-Sorbetum aucupariae luzuletosum sylvaticae* subass. nova hoc loco characterises pioneer stages on former hay meadows on mixed geological bedrock, limestone, marlstone, claystone and chert on slightly acid (dystric) soil. Its nomenclature type, *holotypus*, is relevé No. 1 in Table 6 and its differential species are *Luzula sylvatica* and *Sorbus chamaemespilus*.

3.3.2 *Alno viridis-Aceretum pseudoplatani* nom. prov.

In Table 7 we publish the relevé made in the cirque Komar under Kanjavec, above Zadnjica in the Trenta at the elevation of around 1430 m (Figure 6). Here, on a steep prominence between two gorges with frequent snowslides, grows a low open sycamore maple forest of coppice and sabre growth, reaching a tree height of 10 metres and diameters at breast height of up to 30 cm. The shrub layer that covers almost the same area as the tree layer is dominated by green alder (*Alnus viridis*) and large-leaved willow (*Salix appendiculata*). The herb layer comprises species of tall herbs, beech, spruce and basophilous pine forests. With its floristic composition this stand resembles above all the green alder forest from the association *Rhododendro hirsuti-Alnetum viridis* – in any respect more than it resembles montane sycamore maple communities from associations *Lamio orvalae-Aceretum* and *Aconito paniculati-Fagetum* (compare P. Košir 2005, Dakskobler 2007 and Zupančič 2012). We believe this is a long-term successional stage whose development into a higher stage – at this elevation in the Primorje part of the Julian Alps this means subalpine beech forest (*Polysticho lonchitis-Fagetum*) – is thwarted by natural conditions, a stony moist site and annual snowslides. As we must consider the highest stand layer of sycamore maple, this relevé is classified into, for the time being only provisional, new association *Alno viridis-Aceretum pseudoplatani* nom. prov. A valid description of this association will be possible if we can find similar stands elsewhere. For now, the provisional new association is classified into the alliance *Alnion viridis* and class *Betulo-Alnetea viridis*.

3.3.3 *Polysticho lonchitis-Fagetum*

Authors of recent phytosociological literature (Accetto 2002, Surina & Rakaj 2007, Willner 2007, Marinček & Čarni 2010, Zupančič 2012) have different views of this association; some of them do not see it as independent and classify it into more widely interpreted altimontane beech community of the eastern and southeastern Alps and the northern part of the Dinaric Mountains (*Saxifrago rotundifolii-Fagetum* Zukrigl 1989 or *Ranunculo platanifolii-Fagetum* Marinček et al. 1993). In our opinion, based on around 400 rel-

Stand of the association *Alno viridis-Sorbetum aucupariae* on northern slopes of Mt. Matajur.
Sestoj asociacije *Alno viridis-Sorbetum aucupariae* na severnih pobočjih Matajurja.

evés from the Julian Alps and the Trnovski gozd plateau, independence of this association is justified not only in terms of its sites and physiognomy – the elevation belt immediately along the existing timberline with low, usually clustered and coppice beech (polycormon tree form) – but also floristically, with a number of differential species, especially character species of subalpine scrub communities, tall herbs and grasslands. Such good differential species that rarely, or not at all, grow in other beech communities are *Rhododendron hirsutum, Sorbus chamaemespilus, Lonicera caerulea*, *Salix appendiculata*, *Pinus mugo*, *Clematis alpina*, *Senecio cacaliaster*, *Aster bellidiastrum*, *Laserpitium peucedanoides*, *Festuca calva* and *Astrantia bavarica*, in our case also *Alnus viridis* and others. While it is true that some of the above-mentioned species may be diagnostic also for some other beech associations such as *Rhododendro hirsuti-Fagetum* or *Aconito paniculati-Fagetum*, the ecological conditions and entire species composition in these cases are considerably different. Our material on the association *Polysticho lonchitis-Fagetum* still needs to be processed, but this article publishes 27 relevés of beech forests at the timberline in the Julian Alps (Table 8), most of which (possibly excluding relevés No. 26 and 27) can undoubtedly be classified into this association. These beech stands comprise also green alder, which indicates the specifics of their natural structure. These stands occur on extreme sites with an open tree layer, which is mainly the consequence of natural factors – steep slopes, erosion, snowslides. In subalpine beech forests the green alder was recorded at the elevation of 1360 m to 1580 m a.s.l., geological bedrock is limestone, only rarely admixed with dolomite or marlstone, the soil is rendzina. Steep to very steep shady slopes prevail. Such beech stands were found in the southwestern foothills of the Julian Alps, under the ridge of Stol, in Resia, in the Krn Mts., in the ridges of Bavški Grintavec and Loška stena, under the Tolmin-Bohinj ridge and under Porezen (the stands under Porezen are floristically closer to the association *Ranunculo platanifolii-Fagetum*).

3.3.4 *Rhodothamno-Laricetum*

Regardless of the prevailing calcareous bedrock, green alder is a relatively common species in the scrub layer of the eastern-Alpine larch community. This is due to mainly favourable light conditions under the open tree layer and to the fact that natural larch forests frequently grow on steep shady slopes with very moist soil where organic matter accumulates. From extensive material (more than 330 relevés) we selected 40 relevés where green alder's cover value in the shrub layer is 1 or more (Table 9). Such larch stands were recorded in the Julian Alps, the Kamnik-Savinja Alps and the Karavanke Mts. They were made at elevation of 1410 m to 1830 m a.s.l., geological bedrock is limestone or dolomite limestone, only exceptionally is limestone admixed with marlstone; soils are moder rendzinas. The aspect is almost always shady and the slope usually very steep. Relevé No. 40 stands out from the other relevés; it was made under Srednji vrh in the Karavanke Mts. where geological bedrock consists of claystone and the soil is brown, eutric. This relevé is not classified into the association *Rhodothamno-Laricetum*, but is temporarily treated as a syntaxon *Alno viridis-Laricetum deciduae* nom. prov. Supposedly, this is a successional stage on former non-forest land where the larch forest gradually replaces the pioneer green alder scrub (*Alnetum viridis*). At the moment, other stands cannot be treated as a special subassociation *Rhodothamno-Laricetum alnetosum viridis*, even though green alder clearly characterises special, cold and moist sites. This is due to similar reasons as in dwarf mountain-pine (*Pinus mugo*). These two species are more or less abundant in larch forests and relevés do not usually group only based on their presence or absence, but also according to other factors. Green alder was nevertheless identified as a diagnostic species of lower-level units, similarly to *Luzula nivea* and *Stellaria montana* which may indicate two different variants of the studied association.

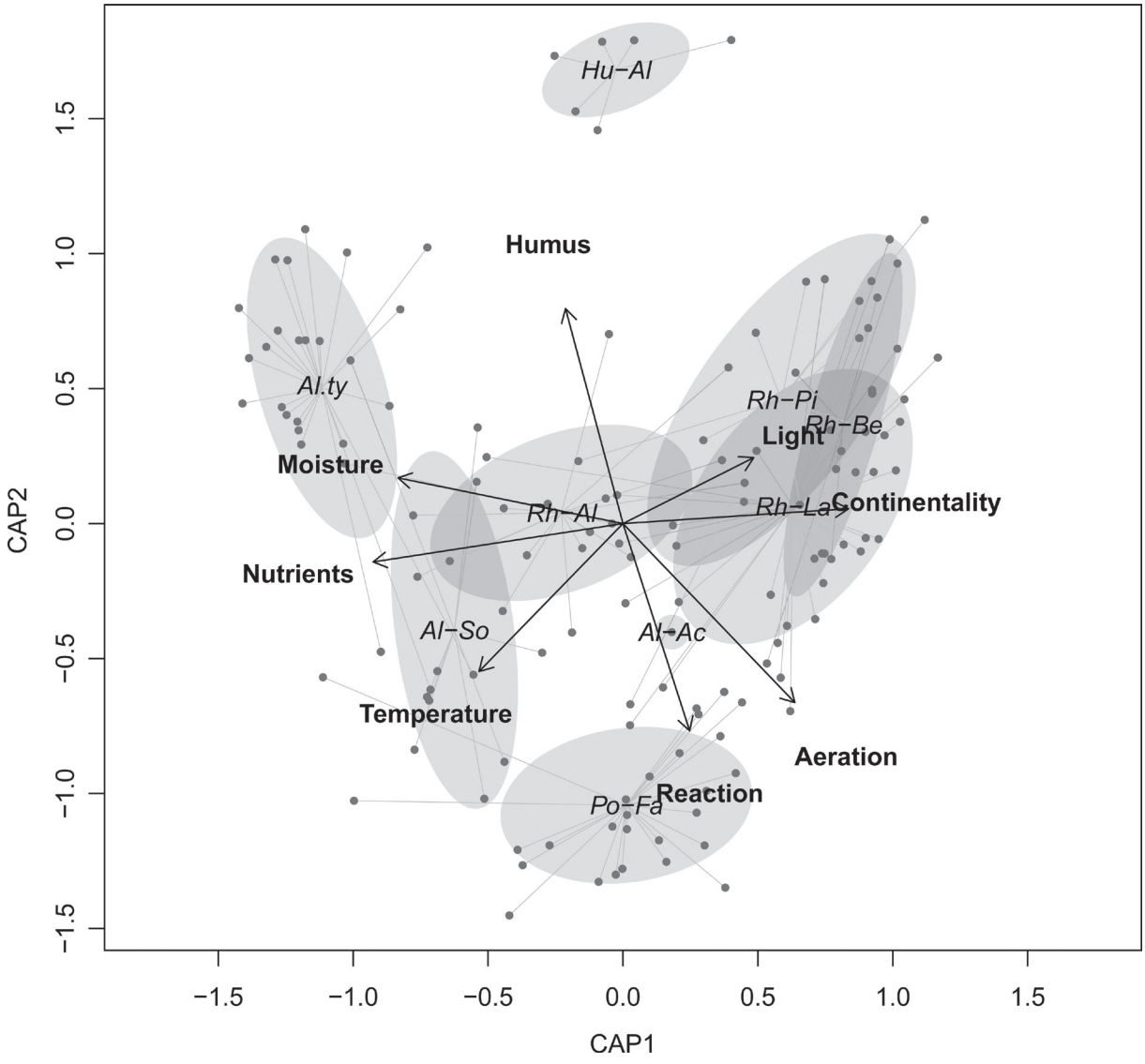
3.3.5 *Rhododendro hirsuti-Pinetum mugo* (= *Rhodothamno-Pinetum mugo* Zupančič et Žagar in Zupančič 2013)

Green alder occurs relatively frequently also in Alpine dwarf mountain-pine stands. In the territory of Slovenia this applies not only to relevés published by Zupančič et al. (2006), where in the analytic table green alder demonstrates class of constancy 2 (frequency 32%), but also to our mainly still unpublished relevés (about 80). Among them we identified only those where green alder has a cover value 1 or more (Table 10). These relevés were made in the Julian Alps at elevation of 1360 m to 1770 m a.s.l., on limestone and dolomite bedrock or on talus slopes, usually on very steep shady slopes with persistent snow cover. The soils are moder rendzinas. For now, this form of Alpine dwarf mountain-pine stands is treated as a special variant *Rhododendro hirsuti-Pinetum mugo typicum* Zupančič, Žagar & Culiberg 2006 var. *Alnus viridis* = *Rhodothamno-Pinetum mugo* Zupančič et Žagar in Zupančič 2013 var. *Alnus viridis* (see also Zupančič 2013). It can be described as one of the most hygrophilous forms of Alpine dwarf mountain-pine stands in Slovenia. Here, the species *Alnus viridis*, *Salix appendiculata, S. glabra* and *S. waldsteiniana* indicate a certain similarity with subalpine willow communities (*Aceri-Salicetum appendiculatae*). A similar subalpine community in which green alder acts as a diagnostic species was described in the Julian Alps, i.e. the association *Rhododendro hirsuti-Betuletum carpaticae* (Dakskobler et al. 2012). Its sites are shady glacial cirques with annual snow-slides that obstruct successional development into subalpine beech forest. The open tree layer is dominated by Carpathian birch (*Betula pubescens* subsp. *carpatica*), and the shrub layer by *Pinus mugo*, *Rhododendron hirsutum* and *Alnus viridis*.

3.4 Comparison of communities with *Alnus viridis* in Slovenia according to Landolt's indicator values

Results of the phytoindication analysis in the stands with green alder that was carried out using ecological indicator values (Landolt et al. 2010) are presented in Figures 7 and 8.

Calculated temperature values (T) indicate slightly more favourable temperature conditions in the stands of the syntaxa *Alno viridis-Sorbetum aucupariae*, *Alnetum viridis typicum* and *Polysticho lonchitis-Fagetum* in comparison with the stands of the syntaxa *Rhododendro hirsuti-Pinetum mugo* var. *Alnus viridis* and *Rhodothamno-Laricetum*. Continentality (K) is the least pronounced in the stands of the subassociation *Alnetum viridis typicum* and the most pronounced in the stands with dominant conifers (larch and dwarf pine stands). Similarly, light conditions (L) are more favourable in conifer



Al-Ac *Alno viridis-Aceretum pseudoplatani*
Al-So *Alno viridis-Sorbetum acupariae*
Alty. *Alnetum viridis typicum*
Hu-Al *Huperzio selagi-Alnetum viridis*
PoFa *Polysticho lonchitis-Fagetum*

RhAl *Rhododendro hirsuti-Alnetum viridis*
RhBe *Rhododendro hirsuti-Betuletum carpaticae*
Rh-La *Rhodothamno-Laricetum*
Rh-Pi *Rhododendro hirsuti-Pinetum mugo* var. *Alnus viridis*

Figure 7: The ordination plot of the first and second CAP axes of vascular plant coverage in different syntaxa with *Alnus viridis*. All eight constrained axes explain 41,65% of total variation, first two explain 18,33% and 9,27% respectively. Arrows represent Landolt's indicator values.

Slika 7: Ordinacijski diagram prve in druge osi Kanonične analize glavnih koordinat (CAP) zastiranja praprotnic in semenk v različnih združbah z vrsto *Alnus viridis*. Kanonične osi (vseh osem skupaj) pojasnijo 41,65% skupne variabilnosti, narisani prvi dve osi pojasnita 18,33% oz. 9,29% variabilnosti. Puščice predstavljajo Landoltove indikacijske vrednosti.

stands. Moisture (M) is the highest in the stands of the syntaxa *Alnetum viridis typicum* and *Rhododendro hirsuti-Alnetum viridis* where green alder dominates. Calculated soil reaction values (R) indicate considerably higher soil acidity in the stands of the association *Huperzio-Alnetum viridis* that occurs on silicate rocks and the sites of the subassociation *Alnetum viridis typicum* also demonstrate higher acidity than other communities. The highest mean values for the soil reaction indicator (R)

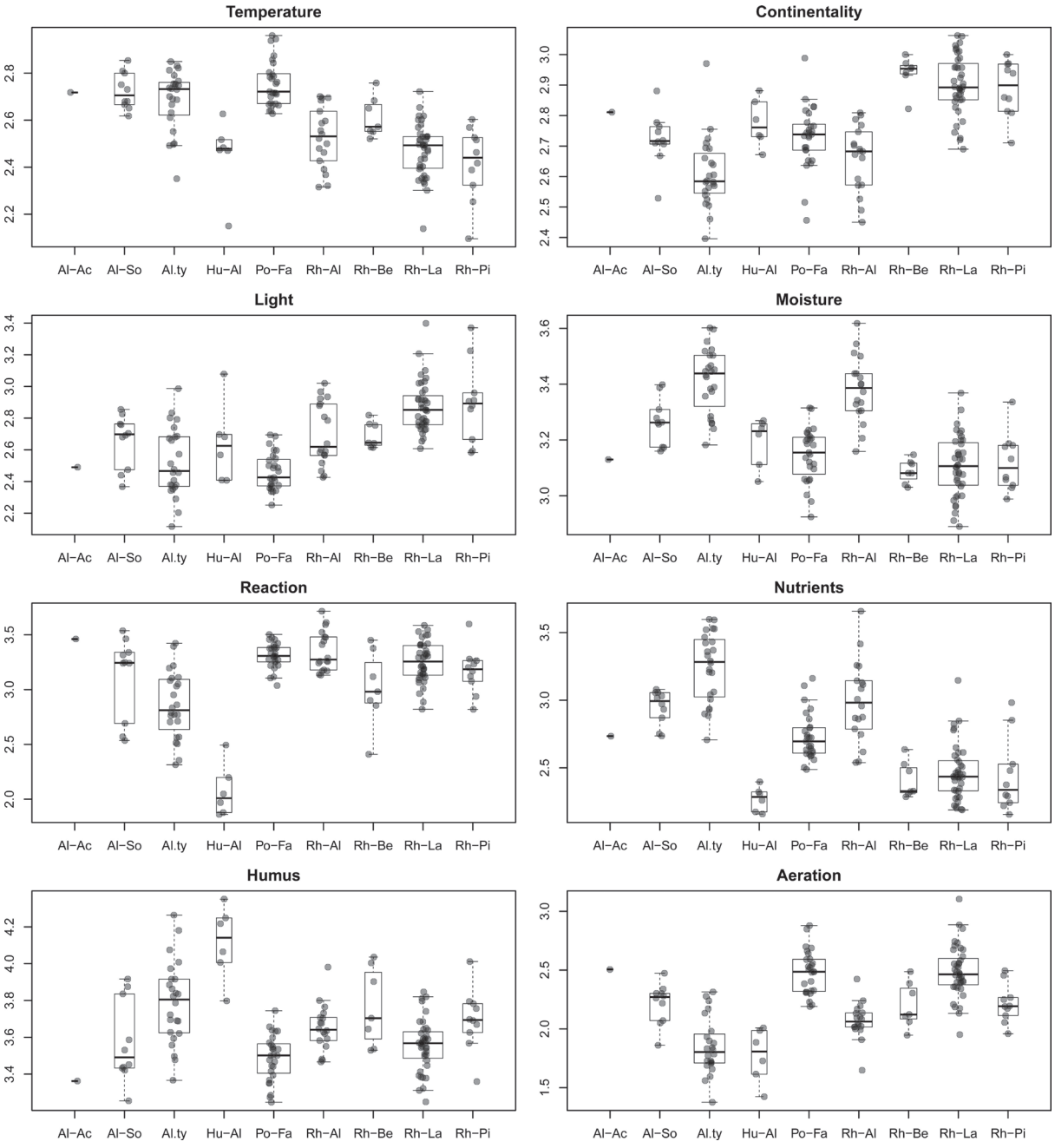


Figure 8: Comparison of ecological conditions in the communities with *Alnus viridis*, determined with Landolt's indicator values.
Slika 8: Primerjava ekoloških razmer v združbah z vrsto *Alnus viridis*, ugotovljenih s pomočjo Landoltovih fitoindikacijskih vrednosti.

were calculated in the stands of the associations *Polysticho-Fagetum* and *Rhododendro hirsuti-Alnetum viridis*. Calculated nutrient values (N) indicate better nutrient supply on the sites of the syntaxa *Alnetum viridis typicum, Rhododendro hirsuti-Alnetum viridis* and *Alno viridis-Sorbetum aucupariae*, while the sites of the association *Huperzio-Alnetum viridis* and larch and dwarf pine communities are the most nutrient-poor. Among the compared communities the sites of the syntaxa *Huperzio-Alnetum viridis* and *Alnetum viridis typicum* have the highest humus content in soils (H) and the poorest soil aeration (A). Phytoindication demonstrates reverse conditions in terms of humus content and soil aeration in the stands of the associations *Polysticho-Fagetum* and *Rhodothamno-Laricetum*.

4. CONCLUSIONS

Green alder (*Alnus viridis* subsp. *viridis*) is an important species of our montane forests. As a pioneer species it has established itself in the predominantly limestone Slovenian Alps mainly on steep shady slopes, in gullies and hollows where snowslides occur every year and the snow cover lingers long into the spring. On such sites it forms long-term successional stages and it is unlikely to be replaced by the surrounding forest growth (most often subalpine larch or spruce forest) that occurs on slopes that are less exposed to avalanches. Such, more or less primary green alder stands on calcareous bedrock in the Eastern and Southeastern Alps are classified into the new association *Rhododendro hirsuti-Alnetum viridis*. It is differentiated from other communities described in the Alps (*Alnetum viridis* s. str., *Rhododendro ferruginei-Alnetum viridis*) by a higher number of mainly calciphilous species such as *Rhododendron hirsutum*, *Sorbus chamaemespilus*, *Polystichum lonchitis*, *Valeriana tripteris*, *Asplenium viride*, *Aconitum lycoctonum* s. lat., *Galeobdolon flavidum*, *Thalictrum aquilegiifolium*, *Salix waldsteiniana*, *Adenostyles glabra, Cystopteris montana*, *Homogyne sylvestris*, *Acer pseudoplatanus*, *Primula elatior* and others. Floristically slightly different are the pioneer green alder stands on abandoned pastures and mountain pastures that were cleared mainly in the belt of altimontane and subalpine beech and very rarely also spruce forests from the associations *Ranunculo platanifolii-Fagetum*, *Polysticho lonchitis-Fagetum*, *Luzulo-Fagetum abietetosum* and *Luzulo sylvaticae-Piceetum*. Such stands, if they grow on limestone bedrock and on stony sites, are partly still classified into the association *Rhododendro hirsuti-Alnetum viridis* (several stands on the northern slopes of Porezen), and others into the syntaxon *Alnetum viridis typicum* (pioneer alder stands on silicate bedrock in the Karavanke Mts.) or merely into the wider macroassociation *Alnetum viridis* s. lat. (younger successional stages in the southern foothills of the Julian Alps). Floristically distinct is the green alder community in the shady andesite rocks under the peak of Komen in the Smrekovec Mts. (eastern Kamnik-Savinja Alps) that is classified into the new association *Huperzio selagi-Alnetum viridis* and represents vegetation that is unique in the silicate Alps. Here, the stands on similar sites are classified into the association *Rhododendro ferruginei-Alnetum viridis*. This classification was not possible in our case as *Rhododendron ferrugineum* was not spotted under Komen (Kamen); likewise, some diagnostic species of the classes *Betulo-Alnetea viridis* and *Mulgedio-Aconitetea* do not grow in our stands. They are dominated by species of spruce forests from the class *Vaccinio-Piceetea*, including *Vaccinium vitis-idaea*, *Huperzia selago, Lycopidum annotinum* and *Thelypteris limbosperma*, some character species of silicate rocks or silicate subalpine grasslands (*Primula villosa, P. minima*) and somes mosses (*Sphagnum russowii, Rhytidiadelphus loreus*). In the Julian Alps we found stands where green alder was partly replaced in succession by mountain ash. Similar stands are known elsewhere in the Alps, but have not yet been validly described as the new association *Alno viridis-Sorbetum aucupariae*, which is what we did in this article. A stand with dominant sycamore maple and green alder was provisionally described as the new association *Alno viridis-Aceretum pseudoplatani* nom. prov. The phytosociological table presented also the subalpine beech community (*Polysticho lonchitis-Fagetum*) where green alder grows due to the natural open tree layer and the subalpine larch community (*Rhodothamno-Laricetum*) where green alder in the shrub layer has a cover value of 1 or more. The larch relevé with green alder on claystone and eutric brown soil under Srednji vrh in the Karavanke Mts. is treated as a successional stage *Alno viridis-Laricetum deciduae* nom. prov. This species can be similarly abundant in a special form of eastern-Alpine dwarf mountain-pine community (*Rhododendro hirsuti-Pinetum mugo typicum* Zupančič, Žagar & Culiberg 2006 var. *Alnus viridis = Rhodothamno-Pinetum mugo* Zupančič et Žagar in Zupančič 2013 var. *Alnus viridis*) and in the community of dwarf mountain-pine, hairy alpenrose and Carpathian birch (*Rhododendro hirsuti-Betuletum carpaticae*).

Green alder stands and communities play a significant ecological and protective role in our Alps and their foothills. In last decades we have been observing their deterioration, mainly as a result of fungal diseases and pest damage. One of the agents frequently seen as responsible for the withering of green alder is *Cryptodiaporthe oxystoma* (Pisetta et al. 2012) that belongs to the fungal group *Ascomycota*, detected and determined in Slovenia (for example in the stands under Porezen and Kobilja glava) by G. Seljak and G. Podgornik (in litt.). For now, withering of alder has not been detected on a larger scale on other locations. Researchers attribute this alarming phenomenon to climate change and decreasing snow cover.

5. POVZETEK

Gozdne in grmiščne združbe z zeleno jelšo (*Alnus viridis*) v Sloveniji

Zelena jelša (*Alnus viridis* subsp. *viridis*) je pomembna vrsta naših gorskih gozdov. Kot pionirska vrsta se v pretežno apnenčastih slovenskih Alpah uveljavlja predvsem na strmih osojnih pobočjih, v žlebovih in kotanjah, kjer vsako leto polzijo snežni plazovi in se snežna odeja zadržuje dolgo v pomlad. Na takih rastiščih oblikuje dolgotrajne sukcesijske stadije, in je malo možnosti, da bi jo nadomestilo okoliško gozdno rastje (največkrat subalpinski macesnov ali smrekov gozd), ki uspeva na manj plazovitih pobočjih. Takšno bolj ali manj primarno zelenojelševje na karbonatni podlagi v vzhodnih in jugovzhodnih Alpah uvrščamo v novo asociacijo *Rhododendro hirsuti-Alnetum viridis*. Od drugih v Alpah opisanih združb (*Alnetum viridis* s. str., *Rhododendro ferruginei-Alnetum viridis*) jo razlikuje večje število večinoma kalcifilnih vrst, kot so *Rhododendron hirsutum*, *Sorbus chamaemespilus*, *Polystichum lonchitis*, *Valeriana tripteris*, *Asplenium viride*, *Aconitum lycoctonum* s. lat., *Galeobdolon flavidum*, *Thalictrum aquilegiifolium*, *Salix waldsteiniana*, *Adenostyles glabra, Cystopteris montana*, *Homogyne sylvestris*, *Acer pseudoplatanus*, *Primula elatior* in druge. Floristično nekoliko drugačni so pionirski sestoji zelene jelše na opuščenih pašnikih in planinah, ki so bili izkrčeni v glavnem v pasu altimontanskih in subalpinskih bukovih in zelo redko tudi smrekovih gozdov iz asociacij *Ranunculo platanifolii-Fagetum*, *Polysticho lonchitis-Fagetum*, *Luzulo-Fagetum abietetosum*, *Luzulo sylvaticae-Piceetum*. Takšne sestoje, če uspevajo na apnenčasti podlagi in na kamnitih rastiščih, deloma še uvrščamo v asociacijo *Rhododendro hirsuti-Alnetum viridis* (nekateri sestoji na severnih pobočjih Porezna, pod Koblo in Slatnikom), druge pa v sintakson *Alnetum viridis typicum* (pionirski zelenojelševi sestoji na silikatni podlagi v Karavankah) ali zgolj v široko zajeto makroasociacijo *Alnetum viridis* s. lat. (mlajši sukcesijski stadiji v južnem prigorju Julijskih Alp). Floristično zelo posebno je zelenojelševje v osojnem andezitnem skalovju pod vrhom Komna v Smrekovškem pogorju (vzhodne Kamniško-Savinjske Alpe), ki ga uvrščamo v novo asociacijo *Huperzio selagi-Alnetum viridis* in je vegetacijska posebnost v silikatnih Alpah. V njih sestoje na podobnih rastiščih namreč uvrščajo v asociacijo *Rhododendro ferruginei-Alnetum viridis*. Takšna uvrstitev v našem primeru ni bila mogoča, saj pod Komnom (Kamnom) vrste *Rhododendron ferrugineum* nismo opazili, prav tako v naših popisih ne uspevajo nekatere diagnostične vrste razredov *Betulo-Alnetea viridis* in *Mulgedio-Aconitetea*. V njih prevladujejo vrste smrekovih gozdov iz razreda *Vaccinio-Piceetea*, med njimi tudi vrste *Vaccinium vitis-idaea*, *Huperzia selago, Lycopidum annotinum* in *Thelypteris limbosperma*, nadalje nekatere značilnice silikatnega skalovja ali silikatnih subalpinskih travišč (*Primula villosa*, *P. minima*) ter nekateri mahovi (*Sphagnum russowii, Rhytidiadelphus loreus*). V Julijskih Alpah smo našli tudi sestoje, kjer je zeleno jelšo v sukcesiji deloma nadomestila jerebika. Podobne sestoje poznajo tudi drugod v Alpah, a do zdaj še niso bili veljavno opisani kot nova asociacija *Alno viridis-Sorbetum aucupariae*, zato smo to storili v tem članku. Sestoj s prevladujočima gorskim javorjem in zeleno jelšo pa uvrščamo v le provizorno opisano novo asociacijo *Alno viridis-Aceretum pseudoplatani*. S fitocenološko tabelo smo predstavili tudi subalpinsko bukovje (*Polysticho lonchitis-Fagetum*), v katerem zaradi naravnega vrzelastega drevesnega sklepa uspeva tudi zelena jelša, in subalpinsko macesnovje (*Rhodothamno-Laricetum*), v katerem ima zelena jelša v grmovni plasti oceno zastiranja 1 ali več. Popis macesnovja z zeleno jelšo na glinavcu in evtričnih rjavih tleh pod Srednjim vrhom v Karavankah vrednotimo kot sukcesijski stadij *Alno viridis-Laricetum deciduae* nom. prov. Podobno obilna je ta vrsta lahko v posebni obliki vzhodnoalpskega ruševja (*Rhododendro hirsuti-Pinetum mugo typicum* Zupančič, Žagar & Culiberg 2006 var. *Alnus viridis = Rhodothamno-Pinetum mugo* Zupančič et Žagar in Zupančič 2013 var. *Alnus viridis*) in v združbi rušja, dlakavega sleča in karpatske breze (*Rhododendro hirsuti-Betuletum carpaticae*).

Sestoji in združbe zelene jelše imajo v naših Alpah s prigorjem važno ekološko in varovalno vlogo. V zadnjih desetletjih tudi v Sloveniji opažamo njihovo propadanje, predvsem kot posledica glivičnih bolezni in napadov insektov. Med povzročitelji sušenja zelene jelše se pogosto omenja vrsto *Cryptodiaporthe oxystoma* (Pisetta et al. 2012), glivo iz skupine zaprtotrosnic (*Ascomycota*), ki sta jo pri nas (na primer v sestojih pod Poreznom in Kobiljo glavo) opažala in določala G. Seljak in G. Podgornik (in litt.). Za zdaj razen na teh dveh gorah znakov jelšinega sušenja v večjem obsegu na drugih lokacijah še nismo opazili. Ta zaskrbljujoč pojav raziskovalci povezujejo z podnebnimi spremembami in manjšo količino snežne odeje.

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Table 1 / Tabela 1: *Rhododendro hirsuti-Alnetum viridis* ass. nov.

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Database number of relevé (Delovna številka popisa)		220754	202916	245424	212042	202925	202958	202951	244255	244256	244262	244435	244510	236620	244838	244839	244837	244840	244841		
Elevation in m (Nadmorska višina v m)		1590	1720	1815	1570	1790	1815	1750	1490	1500	1510	1630	1620	1420	1560	1530	1525	1450	1335		
Aspect (Lega)		NW	W	N	E	N	N	N	NE	NE	N	N	NW	N	NE	NNE	N	N	NE		
Slope in degrees (Nagib v stopinjah)		35	35	35	30	45	40	35	30	30	30	30	40	30	30	45	45	40	15		
Parent material (Matična podlaga)		DA	A	AG	A	A	A	DA	Gr	Gr	Gr	Gr	Gr	Gr	Gr	D	D	D	Gr		
Soil (Tla)		Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Ko	Re	Re	Re	Re	Re	Re		
Stoniness in % (Kamnitost v %)		20	20	20	20	10	10	10	10	30	20	10	10	40	10	10	10	10	10		
Cover of tree layer in % (Zastiranje drevesne plasti v %)	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.		
Cover of shrub layer in % (Zastiranje grmovne plasti v %):	E2	80	90	90	80	90	100	90	90	90	90	80	90	90	100	100	90	80	100		
Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	80	40	70	70	60	60	50	90	90	80	80	90	70	80	70	80	90	80		
Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	5	20	10	5	20	10	10	20	10	10	10	5	10	20	10	20	10	10		
Number of species (Število vrst)		46	58	38	55	42	36	53	60	59	57	33	42	61	67	71	57	76	72		
Relevé area (Velikost popisne ploskve)	m^2	200	100	100	100	50	100	100	100	100	100	200	200	200	200	200	100	100	200		
Date of taking relevé (Datum popisa)		9/10/2008	7/31/2003	6/29/2012	8/9/2006	7/31/2003	8/13/2002	8/13/2002	8/8/2012	8/8/2012	8/8/2012	8/22/2012	8/24/2012	8/23/2010	9/18/2012	9/18/2012	9/18/2012	9/18/2012	9/18/2012		
Locality (Nahajališče)		Komar	Črna prst	Črna prst	Lisec	Črna prst	Črna prst	Črna prst	Mizčna gla-va - Poljane	Mizčna gla-va - Poljane	Mizčna gla-va - Poljane	Črna prst	Črna prst	Greben	Olševa	Olševa	Olševa	Olševa	Olševa		
Quadrant (Kvadrant)		9648/2	9749/4	9749/4	9749/4	9749/4	9749/4	9749/4	9649/3	9649/3	9648/4	9749/4	9749/4	9554/4	9554/1	9554/1	9554/1	9554/1	9554/1		
Coordinate GK Y (D-48)	m	408903	417807	417836	417658	417937	417946	418377	410296	410225	410057	418168	418164	483072	477440	477454	477727	477552	477511		
Coordinate GK X (D-48)	m	137048	121564	121314	121990	121378	121360	121449	130925	130937	131092	121480	121485	143202	145399	145438	145488	145519	145696		
Author of the relevé (Avtor popisa)		ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID, AS	ID, AS	ID, AS	ID, AS	ID, AS	Pr.	Fr.

	Diagnostic species of the association (Diagnostične vrste asociacije)																					
MuA	*Aconitum lycoctonum* subsp. *ranunculifolium*	E1	2	1	1	1	1	+	r	2	3	1	1	2	+	+	1	+	1	1	18	100
VP	*Valeriana tripteris*	E1	1	+	+	.	1	1	1	+	1	1	.	+	.	1	1	1	2	1	15	83
VP	*Polystichum lonchitis*	E1	+	+	+	+	.	.	+	1	+	1	r	+	.	+	+	+	+	+	15	83
AT	*Asplenium viride*	E1	+	.	.	.	+	+	+	+	+	+	.	+	+	+	+	1	+	+	14	78
FS	*Galeobdolon flavidum*	E1	1	+	1	+	.	.	.	1	1	+	.	.	+	1	+	+	.	1	12	67
MuA	*Thalictrum aquilegiifolium*	E1	+	+	+	1	.	.	.	1	+	.	1	1	.	+	.	+	+	+	12	67
BA	*Sorbus chamaemespilus*	E2	+	+	.	.	+	.	1	1	1	1	.	.	.	+	.	.	+	+	10	56
EP	*Rhododendron hirsutum*	E2a	.	1	.	.	3	+	+	.	.	.	.	.	+	+	+	4	3	1	10	56
BA	*Salix waldsteiniana*	E2	.	+	+	.	3	1	2	+	+	+	+	+	.	.	.	.	.	.	10	56
TR	*Adenostyles glabra*	E1	+	+	5	.	1	.	.	+	+	+	.	.	3	+	+	.	.	.	10	56
MuA	*Primula elatior*	E1	1	.	.	.	.	.	.	1	1	+	1	2	+	+	+	.	.	.	9	50
TR	*Cystopteris montana*	E1	.	.	.	.	2	.	.	+	1	2	.	.	1	1	.	1	+	1	9	50
TA	*Acer pseudoplatanus*	E2	+	.	.	+	.	.	.	.	.	+	.	.	.	.	+	r	.	+	6	33
TA	*Acer pseudoplatanus*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+	+	3	17
	Differential species of the geographical variant (Razlikovalnice geografske variante)																					
VP	*Homogyne sylvestris*	E1	.	.	.	.	1	1	+	+	.	+	.	.	1	1	+	2	2	2	11	61
TR	*Festuca nitida*	E1	.	.	+	.	.	1	+	+	+	+	+	+	+	.	.	.	.	.	9	50
AT	*Paederota lutea*	E1	.	.	.	.	.	.	+	.	.	.	.	.	+	.	.	+	+	+	5	28
	Differential species of lower units (Razlikovalnice nižjih enot)																					
TR	*Rhodiola rosea*	E1	.	3	+	+	2	+	1	.	.	.	.	.	.	.	.	.	.	.	6	33
JT	*Soldanella alpina*	E1	.	.	.	.	+	.	+	1	+	+	+	+	.	.	.	.	.	.	7	39
VP	*Saxifraga cuneifolia*	E1	.	.	.	.	.	.	+	.	.	.	.	.	+	+	+	1	1	.	6	33
QF	*Hepatica nobilis*	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	1	1	1	1	6	33
MuA	*Aconitum tauricum*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	+	+	.	4	22
AF	*Helleborus niger*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	+	+	4	22
BA	***Betulo carpaticae-Alnetea viridis***																					
	Alnus viridis	E2b	5	4	5	4	4	5	5	5	5	4	5	5	5	5	5	4	4	4	18	100
	Salix appendiculata	E2b	+	+	.	.	.	.	.	.	+	+	.	.	.	1	1	+	1	2	9	50
	Salix glabra	E2a	1	+	+	.	.	.	r	.	.	.	.	.	.	.	.	+	+	.	6	33
MuA	***Mulgedio-Aconitetea***																					
	Viola biflora	E1	1	1	1	.	2	2	2	1	1	1	1	2	1	1	1	.	+	1	16	89
	Saxifraga rotundifolia	E1	1	1	1	.	.	.	1	1	1	2	1	2	1	1	1	.	+	.	13	72
	Geum rivale	E1	1	1	.	+	.	.	.	+	.	2	.	1	+	1	+	+	+	+	12	67
	Geranium sylvaticum	E1	+	+	+	+	+	1	+	.	.	+	.	.	.	.	+	+	+	+	12	67
	Chaerophyllum hirsutum	E1	1	.	.	.	.	.	.	2	3	+	1	2	1	2	1	+	+	1	12	67

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
Adenostyles alliariae	E1	.	+	.	.	1	1	2	4	4	4	3	2	.	.	+	.	r	+	12	67
Veratrum album s. lat.	E1	.	1	1	3	1	1	1	1	1	+	1	.	.	.	.	.	.	+	11	61
Senecio cacaliaster	E1	.	1	2	2	.	+	+	2	2	3	1	2	+	.	.	.	.	.	11	61
Polygonatum verticillatum	E1	.	1	+	+	.	2	1	.	1	.	.	.	.	+	+	+	1	1	11	61
Doronicum austriacum	E1	.	+	1	+	.	.	+	2	.	.	+	+	.	.	+	.	.	+	9	50
Athyrium filix-femina	E1	.	.	+	1	.	.	.	1	+	.	+	.	.	.	+	+	+	+	9	50
Crepis paludosa	E1	.	.	.	.	1	.	.	1	.	1	+	1	+	.	+	+	.	+	9	50
Ranunculus platanifolius	E1	.	1	+	+	.	.	1	.	.	.	.	1	.	.	+	+	.	.	7	39
Hypericum maculatum	E1	.	+	.	+	.	.	.	.	+	.	.	.	.	+	+	.	1	+	7	39
Stellaria nemorum	E1	.	.	.	.	.	.	.	+	2	1	.	.	1	1	+	.	.	+	7	39
Heracleum sphondylium subsp. *montanum*	E1	1	+	+	2	.	.	.	.	.	.	1	2	.	.	.	.	.	.	6	33
Senecio ovatus	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	1	1	+	+	+	6	33
Rumex arifolius	E1	.	+	1	1	.	.	.	.	.	.	.	.	.	+	+	.	.	.	5	28
Tephroseris crispa	E1	.	+	+	.	.	1	.	.	.	.	.	+	.	.	.	.	.	.	4	22
Carduus personata	E1	.	r	.	1	.	.	.	.	.	.	+	1	.	.	.	.	.	.	4	22
Poa hybrida	E1	.	.	+	1	.	.	+	.	.	.	+	.	.	.	.	.	.	.	4	22
Silene dioica	E1	.	.	.	+	.	.	.	+	+	.	.	.	.	.	.	.	+	.	4	22
Cicerbita alpina	E1	.	.	.	.	.	+	.	.	+	.	3	4	.	.	.	.	.	.	4	22
Cirsium waldsteinii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	+	r	4	22
Myrrhis odorata	E1	3	.	.	.	.	.	.	.	.	.	4	4	.	.	.	.	.	.	3	17
Chaerophyllum villarsii	E1	+	+	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
Epilobium alpestre	E1	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
Alchemilla venosula (A. gracillima)	E1	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	11
Alchemilla xanthochlora	E1	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	11
Aconitum degenii subsp. *paniculatum*	E1	.	.	.	.	.	.	.	1	+	+	.	.	.	.	.	.	.	.	3	17
Senecio nemorensis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	+	.	3	17
Carduus carduelis	E1	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	11
Phyteuma ovatum	E1	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	11
Lathyrus occidentalis var. *montanus*	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Pleurospermum austriacum	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Crepis pyrenaica	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Silene vulgaris subsp. *antelopum*	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Streptopus amplexifolius	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Allium victorialis	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Milium effusum	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	6

	Pedicularis recutita	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	6
	Cirsium carniolicum	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	6
	Circaea alpina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	6
SSC	***Sambuco-Salicion capreae***																					
	Sorbus aucuparia	E2b	+	+	.	.	.	.	.	.	.	.	.	.	.	1	1	+	2	2	7	39
	Sorbus aucuparia	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	6
	Sorbus aucuparia	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	+	.	+	4	22
	Rubus idaeus	E2a	.	.	.	.	.	.	.	+	+	+	.	.	.	.	.	.	.	+	4	22
	Urtica dioica	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	+	3	17
	Galeopsis speciosa	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Fragaria vesca	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	6
VP	***Vaccinio-Piceetea***																					
	Vaccinium myrtillus	E1	+	.	.	1	.	1	.	+	1	+	.	.	.	2	1	3	3	2	11	61
	Luzula sylvatica	E1	+	.	.	.	+	1	1	+	.	.	.	.	+	1	1	1	2	+	11	61
	Dryopteris dilatata	E1	.	.	.	.	+	+	+	1	1	+	.	.	1	1	+	+	.	+	11	61
	Larix decidua	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	6
	Larix decidua	E2	r	.	.	.	.	.	.	r	.	.	.	r	r	+	+	+	+	+	9	50
	Solidago virgaurea s. lat.	E1	.	1	.	1	+	1	+	1	+	+	.	+	.	.	.	.	.	.	9	50
	Calamagrostis villosa	E1	.	+	.	.	1	.	1	.	.	.	.	.	+	1	1	1	2	2	9	50
	Phegopteris connectilis	E1	.	.	.	+	.	.	.	+	+	.	.	.	+	+	+	1	1	+	9	50
	Oxalis acetosella	E1	.	.	.	.	+	.	.	+	1	+	.	.	1	1	1	1	1	1	10	56
	Picea abies	E2b	.	.	.	.	r	.	.	.	+	+	.	.	.	.	.	.	.	+	4	22
	Picea abies	E2a	.	.	.	.	.	.	.	+	+	+	.	.	+	+	+	+	+	+	9	50
	Picea abies	E1	.	.	.	.	.	.	.	+	.	.	.	.	+	.	+	+	.	.	4	22
	Gentiana asclepiadea	E1	1	1	.	.	.	.	.	.	.	+	+	+	.	+	.	+	+	.	8	44
	Aposeris foetida	E1	1	+	.	1	.	.	.	.	.	.	+	+	.	.	.	+	+	+	8	44
	Rosa pendulina	E2a	+	+	.	.	1	+	.	.	.	.	.	.	.	.	+	+	+	+	8	44
	Clematis alpina	E2a	.	+	.	.	1	.	+	.	+	.	.	.	+	.	.	+	+	1	8	44
	Gymnocarpium dryopteris	E1	.	.	.	.	.	.	.	+	+	.	.	.	1	+	+	1	+	1	8	44
	Vaccinium vitis-idaea	E1	.	.	.	.	+	.	.	.	.	+	.	.	+	.	.	1	1	1	6	33
	Lycopodium annotinum	E1	.	.	.	.	.	.	.	.	.	+	.	.	+	+	+	+	1	.	6	33
	Homogyne alpina	E1	.	.	.	.	+	+	.	r	.	.	.	.	.	.	.	.	+	+	5	28
	Dryopteris expansa	E1	+	.	.	.	.	.	+	.	+	1	.	.	.	.	.	.	.	.	4	22
	Luzula luzuloides subsp. *luzuloides*	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	+	+	4	22
	Maianthemum bifolium	E1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	3	17
	Veronica urticifolia	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	3	17

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
	Lonicera nigra	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	1	3	17
	Huperzia selago	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	2	11
	Calamagrostis arundinacea	E1	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	2	11
	Lonicera caerulea	E2a	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	2	11
	Abies alba	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	2	11
	Abies alba	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	2	11
	Pyrola rotundifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	2	11
	Luzula luzuloides subsp. *rubella*	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Luzula luzulina	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	6
EP	***Erico-Pinetea***																					
	Rubus saxatilis	E1	1	+	+	+	+	.	+	1	+	1	.	.	.	+	+	+	1	2	14	78
	Calamagrostis varia	E1	2	.	.	.	.	.	.	+	+	1	.	.	.	.	.	+	.	.	5	28
	Cirsium erisithales	E1	.	+	.	+	.	.	.	.	.	.	+	.	.	.	.	.	+	+	5	28
	Carex ornithopoda	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	+	3	17
	Aquilegia nigricans	E1	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	11
	Pinus mugo	E2a	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	11
	Erica carnea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	3	.	2	11
	Rhodothamnus chamaecistus	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Galium austriacum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	6
AF	***Aremonio-Fagion***																					
	Cardamine enneaphyllos	E1	.	1	.	.	1	.	1	+	.	+	1	.	+	+	.	.	.	.	8	44
	Cyclamen purpurascens	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	+	+	5	28
	Knautia drymeia	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	+	+	.	+	.	4	22
	Cardamine trifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	+	3	17
	Anemone trifolia	E1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
FS	***Fagetalia sylvaticae***																					
	Paris quadrifolia	E1	+	+	+	.	+	.	+	+	+	+	.	.	+	+	.	+	+	+	13	72
	Daphne mezereum	E2a	+	.	.	+	.	.	+	.	+	.	.	.	+	+	+	.	+	1	9	50
	Dryopteris filix-mas	E1	.	+	+	1	.	.	.	+	+	+	+	.	.	+	.	.	.	+	9	50
	Mercurialis perennis	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	2	1	1	1	1	7	39
	Lilium martagon	E1	+	+	+	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	5	28
	Poa nemoralis	E1	.	.	.	.	.	.	.	+	+	+	.	.	+	.	.	.	.	+	5	28
	Melica nutans	E1	1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	+	.	4	22
	Ranunculus lanuginosus	E1	.	.	.	.	.	.	.	+	.	.	1	+	.	+	.	.	.	.	4	22
	Lonicera alpigena	E2a	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	+	1	4	22

	Symphytum tuberosum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	+	4	22
	Chrysosplenium alternifolium	E1	.	.	.	.	.	.	.	+	.	.	.	.	+	+	.	.	.	.	3	17
	Polystichum aculeatum	E1	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	11
	Myosotis sylvatica	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	2	11
	Fagus sylvatica	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	2	11
	Adoxa moschatellina	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Actaea spicata	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	6
	Petasites albus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	6
QF	***Querco-Fagetea***																					
	Anemone nemorosa	E1	+	.	.	1	.	.	1	.	.	+	.	.	.	.	.	.	.	.	4	22
ES	***Elyno-Seslerietea***																					
	Sesleria caerulea subsp. *calcaria*	E1	.	.	.	.	+	.	.	.	.	+	.	.	+	.	+	+	+	.	6	33
	Carex ferruginea	E1	.	.	.	.	.	+	.	.	.	.	.	+	.	.	+	+	.	.	4	22
	Alchemilla vulgaris s.str.	E1	.	.	.	.	.	.	.	+	+	+	.	.	.	+	.	.	.	.	4	22
	Astrantia bavarica	E1	.	.	.	.	+	+	.	.	.	.	.	+	.	.	.	.	.	.	3	17
	Laserpitium peucedanoides	E1	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	11
	Campanula witasekiana	E1	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	11
	Galium anisophyllum	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	2	11
	Heliosperma alpestre	E1	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	2	11
	Scabiosa lucida subsp. *stricta*	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Betonica alopecuros	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Festuca calva	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Leucanthemum adustum	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Koeleria eriostachya	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Phleum hirsutum	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Pulsatilla alpina subsp. *austroalpina*	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Bartsia alpina	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Carex sempervirens	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Carex firma	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	6
JT	***Juncetea trifidi***																					
	Gentiana pannonica	E1	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	+	.	3	17
	Anthoxanthum nipponicum	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
CU	***Calluno-Ulicetea***																					
	Coeloglossum viride	E1	.	.	r	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	11
PaT	***Poo alpinae-Trisetalia***																					
	Trollius europaeus	E1	+	.	.	1	.	.	+	1	.	.	1	+	.	.	.	.	.	.	6	33

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
	Campanula scheuchzeri	E1	.	.	.	.	+	+	.	.	+	.	.	.	.	.	.	.	.	.	3	17
	Cardaminopsis halleri subsp. *ovirensis*	E1	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	2	11
	Poa alpina	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	2	11
	Agrostis capillaris	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Festuca nigrescens	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	6
	Cerastium fontanum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	6
MA	***Molinio-Arrhenatheretea***																					
	Deschampsia cespitosa	E1	.	+	.	+	.	.	.	.	.	.	.	.	+	+	+	.	.	.	5	28
	Angelica sylvestris	E1	.	.	.	1	.	.	.	.	.	.	1	1	.	.	.	.	.	.	3	17
	Dactylis glomerata	E1	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	11
	Caltha palustris	E1	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	1	6
SCF	***Scheuchzerio-Caricetea fuscae***																					
	Parnassia palustris	E1	.	.	.	.	+	+	+	.	.	+	.	.	.	.	.	.	+	.	5	28
TG	***Trifolio-Geranietea***																					
	Digitalis grandiflora	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
TR	***Thlaspietea rotundifolii***																					
	Dryopteris villarii	E1	.	+	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	3	17
	Arabis alpina	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	r	.	.	.	2	11
	Astrantia carniolica	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	6
	Aquilegia einseleana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	6
	Gymnocarpium robertianum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	6
AT	***Asplenietea trichomanis***																					
	Cystopteris fragilis	E1	.	+	.	.	.	.	.	+	1	.	.	+	+	+	.	.	.	.	6	33
	Cystopteris regia	E1	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	11
	Heliosperma pusillum	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Valeriana saxatilis	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	Moehringia muscosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	6
ML	**Mosses and lichens (Mahovi in lišaji)**																					
	Ctenidium molluscum	E0	+	1	+	.	.	.	+	+	+	2	+	+	+	+	+	+	.	+	14	78
	Rhytidiadelphus triquetrus	E0	.	.	.	.	2	1	.	+	1	1	.	.	+	1	1	3	1	+	11	61
	Tortella tortuosa	E0	.	.	.	+	1	.	+	.	.	.	.	+	+	.	.	+	+	+	8	44
	Hylocomium splendens	E0	.	.	.	.	2	+	.	.	.	.	.	.	+	.	+	1	+	.	6	33
	Pseudoleskeella catenulata	E0	.	+	1	.	.	.	.	.	.	+	1	+	.	.	.	.	.	.	5	28
	Dicranum scoparium	E0	.	.	.	.	+	.	.	.	+	.	.	.	+	.	+	.	.	+	5	28
	Conocephalum conicum	E0	.	.	.	.	.	.	+	+	+	+	.	.	.	.	+	.	.	.	5	28

Polytrichum formosum	E0	.	.	.	+	.	+	.	.	.	.	.	.	+	+	.	.	.	.	4	22
Fissidens dubius	E0	.	.	.	.	.	.	+	.	+	.	.	+	.	+	.	.	.	.	4	22
**Eurhynchium angustirete*	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	2	+	4	22
Plagiochila porelloides	E0	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	+	.	3	17
Peltigera leucophlebia	E0	.	.	.	.	.	.	.	.	.	+	.	.	+	.	+	.	.	.	3	17
Rhytidiadelphus loreus	E0	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	2	11
Marchantia polymorpha	E0	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	2	11
Plagiochila asplenioides	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	2	11
Mnium sp.	E0	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Anomodon sp.	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
Orthothecium rufescens	E0	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	6
Rhizomnium punctatum	E0	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	6
Peltigera canina	E0	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	6
Hylocomium splendens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	6
**Sphagnum subnites*	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	6
**Plagiomnium rostratum*	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	6

*det. Andrej Martinčič

A Limestone – apnenec
D Dolomite – dolomit
G Claystone – glinavec
Gr Gravel – pobočni grušč
Re Rendzina – rendzina
Ko Colluvial-deluvial soil – koluvialnio-deluvialna tla
ID Igor Dakskobler
AS Andrej Seliškar

Table 2 / Tabela 2: *Alnetum viridis typicum, Rhododendro hirsuti-Alnetum viridis*

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Database number of relevé (Delovna številka popisa)		230349	236478	244781	244787	244786	242996	245403	245408	245411	245406	245414	245416	242155	202941	242936	242995	242992	242993	242994	242997	208460	212213	238926	242152		
Elevation in m (Nadmorska višina v m)		1720	1590	1420	1410	1370	1370	1430	1400	1370	1400	1370	1395	1390	1450	1420	1250	1600	1470	1400	1500	1480	1320	1560	1500		
Aspect (Lega)		NW	N	NE	NE	NW	S	NEE	NNE	NE	NE	NE	NE	NW	E	NE	W	NW	N	N	SE	NE	SE	NE	NW		
Slope in degrees (Nagib v stopinjah)		30	10	15	25	20	30	35	30	30	25	25	30	25	30	30	25	40	35	25	30	30	40	25	30		
Parent material (Matična podlaga)		G	DL	To	To	Gr	G	AR	AR	AR	AR	AGR	ALR	AL	G	AR	G	AL	AL	L	AL	AL	R	AR	AL		
Soil (Tla)		Ev	K	DY	DY	Ko	Dy	Ev	Ev	Ev	Ev	Ev	Ev	Ev	Dy	Dy	Dy	K	K	Dy	K	Re	Re	Re	Re		
Stoniness in % (Kamnitost v %)		0	0	0	0	10	0	5	0	1	1	1	1	0	0	0	0	5	10	0	5	20	10	40	5		
Cover of tree layer in % (Zastiranje drevesne plasti v %)	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	10	30	.	90	.	.	.	.	20	.	5		
Cover of shrub layer in % (Zastiranje grmovne plasti v %):	E2	80	100	100	100	80	80	70	80	80	70	80	90	100	70	70	90	90	90	90	80	70	80	90	80		
Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	90	80	60	60	70	70	60	70	80	80	80	80	80	80	70	70	70	70	60	70	80	60	70	80		
Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	0	5	10	5	20		5	5	1	1	5	1	0	0	10						5	10	10	5		
Number of species (Število vrst)		24	49	34	46	51	25	27	30	18	22	20	18	33	38	29	23	34	27	34	19	69	41	66	38		
Relevé area (Velikost popisne ploskve)	m^2	100	200	200	100	100	200	100	100	200	200	200	200	100	100	200	100	200	100	200	100	200	100	200	200		
Date of taking relevé (Datum popisa)		8/6/2009	8/12/2010	9/12/2012	9/12/2012	9/12/2012	8/1/1973	6/15/2012	6/15/2012	6/15/2012	6/15/2012	6/15/2012	6/15/2012	5/27/2011	6/11/2003	6/23/1999	8/2/1973	8/1/1973	8/9/1973	8/9/1973	8/9/1973	8/24/2004	6/21/2006	6/5/2003	5/27/2011		
Locality (Nahajališče)		Srednji vrh	Olševa	Bela peč	Bela peč	Bela peč	Porezen - Hum	Kobilja glava	Kobilja glava	Kobilja glava	Jalovnik	Kobilja glava	Kobilja glava	Črni vrh nad Batavo	Črna prst - Zovh	Jalovnik	Otavnik	Porezen	Porezen - Glava	Porezen - Jesenniška planina	Porezen	Kobla	Rut - Bizle	Slatnik	Pohoški kup		
Quadrant (Kvadrant)		9551/3	9554/3	9554/4	9554/4	9554/4	9849/2	9848/2	9848/2	9848/2	9848/2	9848/2	9848/2	9849/2	9749/4	9848/2	9849/2	9849/2	9849/2	9849/2	9849/2	9749/4	9749/3	9750/3	9849/2		
Coordinate GK Y (D-48)	m	439446	478560	484089	483920	483846	422689	407478	407466	407481	407695	407442	407403	422106	418800	407914	400021	421147	421632	420562	415229	420407	415480	422952	421736		
Coordinate GK X (D-48)	m	143381	145065	142912	142967	143044	114060	116969	117090	117142	116784	117204	117171	117237	120991	116580	113900	115329	116392	115302	115310	121707	120064	122048	116491		
Author of the relevé (Avtor popisa)		ID,AR	ID,AS	ID,AS	ID,AS	ID,AS	GS	ID	ID	ID	ID	ID	ID	ID	ID	ID	GS	GS	GS	GS	GS	ID	ID	ID	ID	Pr.	Fr.

	Diagnostic species of the association *Rhododendro hirsuti-Alnetum viridis*																													
	Diagnostične vrste asociacije *Rhododendro hirsuti-Alnetum viridis*																													
TA	*Acer pseudoplatanus*	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	r	.	.	1	3	13
TA	*Acer pseudoplatanus*	E2b	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.	+	.	+	+	.	.	.	.	+	6	25
TA	*Acer pseudoplatanus*	E2a	.	.	.	.	.	.	+	.	.	.	.	.	+	.	+	.	.	.	.	.	1	.	.	.	4	17
TA	*Acer pseudoplatanus*	E1	.	.	+	+	+	.	.	.	.	.	+	.	.	r	1	.	.	.	.	.	+	.	.	.	7	29
TR	*Adenostyles glabra*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	2	.	+	+	1	.	6	25
FS	*Galeobdolon flavidum*	E1	.	+	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	6	25
MuA	*Aconitum lycoctonum* subsp. *ranunculifolium*	E1	.	.	.	.	.	.	2	1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	5	21
BA	*Salix waldsteiniana*	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	+	+	.	+	.	.	1	5	21
EP	*Rhododendron hirsutum*	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	+	.	.	+	.	4	17
VP	*Valeriana tripteris*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	3	13
VP	*Polystichum lonchitis*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	1	.	3	13
BA	*Sorbus chamaemespilus*	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	.	.	.	2	8
AT	*Asplenium viride*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	2	8
MuA	*Primula elatior*	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
MuA	*Thalictrum aquilegiifolium*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
BA	***Betulo carpaticae-Alnetea viridis***																													
	Alnus viridis	E2b	4	5	5	5	5	5	4	4	5	4	5	5	4	4	4	5	5	5	5	4	4	4	4	4	24	100
	Alnus viridis	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	+	+	.	3	13
	Salix appendiculata	E3a	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Salix appendiculata	E2b	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	+	1	.	1	.	1	+	7	29
	Salix appendiculata	E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	+	.	3	13
	Ribes alpinum	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	2	8
	Salix glabra	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	4
MuA	***Mulgedio-Aconitetea***																													
	Athyrium filix-femina	E1	+	1	1	1	1	.	2	3	4	2	4	4	3	3	2	2	1	1	+	+	1	1	2	1	23	96
	Veratrum album s. lat.	E1	1	2	.	.	.	+	3	3	3	3	3	2	2	1	1	+	.	+	+	+	1	+	2	2	20	83
	Polygonatum verticillatum	E1	.	+	.	+	+	1	+	.	+	1	+	1	+	2	1	.	+	.	+	.	1	+	+	1	18	75
	Stellaria nemorum	E1	3	1	+	+	1	.	1	1	3	.	+	.	1	.	.	.	.	2	2	.	+	.	1	2	15	63
	Senecio ovatus	E1	.	+	1	1	2	.	.	+	+	.	.	.	+	.	+	+	1	1	+	.	.	1	+	.	14	58
	Geum rivale	E1	+	.	+	+	+	.	.	+	.	.	.	.	.	.	.	.	2	+	1	2	1	.	1	1	12	50
	Adenostyles alliariae	E1	3	1	2	+	+	.	.	.	.	.	.	.	+	+	.	1	+	.	+	.	.	.	1	1	12	50
	Senecio cacaliaster	E1	.	2	.	.	.	+	1	1	.	.	.	.	.	+	+	.	+	.	+	.	1	.	1	+	11	46
	Rumex arifolius	E1	+	1	.	.	.	+	.	.	.	.	.	.	1	+	.	.	+	.	+	1	.	.	+	+	10	42
	Hypericum maculatum	E1	.	+	.	.	.	+	+	.	.	.	.	.	.	.	.	+	+	+	.	+	+	.	1	.	9	38
	Saxifraga rotundifolia	E1	1	+	.	+	1	.	.	.	.	.	.	.	+	.	.	.	1	.	+	.	+	.	1	.	9	38

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Pr.	Fr.
	Viola biflora	E1	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	1	.	.	.	1	1	7	29
	Chaerophyllum hirsutum	E1	+	1	.	+	+	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	7	29
	Alchemilla xanthochlora	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	+	+	+	.	+	.	6	25
	Carduus personata	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	3	3	1	+	.	.	.	1	6	25
	Crepis paludosa	E1	.	+	.	+	+	.	.	.	.	.	.	.	.	.	.	.	1	.	+	.	.	.	+	.	6	25
	Chaerophyllum villarsii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	1	1	1	.	.	.	.	5	21
	Ranunculus platanifolius	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	+	.	.	4	17
	Cicerbita alpina	E1	+	.	.	1	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	4	17
	Athyrium distentifolium	E1	4	+	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	3	13
	Streptopus amplexifolius	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	+	.	r	.	3	13
	Lamium maculatum	E1	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	3	13
	Doronicum austriacum	E1	.	.	.	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	3	13
	Scrophularia scopolii	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	2	8
	Heracleum sphondylium subsp. *montanum*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	2	8
	Poa hybrida	E1	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Silene dioica	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	8
	Geranium sylvaticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	.	.	2	8
	Phyteuma ovatum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Pleurospermum austriacum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Alchemilla monticola	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Aconitum tauricum	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Epilobium alpestre	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Milium effusum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Rumex alpinus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Senecio nemorensis	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Anthriscus nitida	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
SSC	***Sambuco-Salicion capreae***																											
	Rubus idaeus	E2a	.	+	1	+	+	4	4	4	3	3	3	3	1	3	2	2	2	3	3	3	3	+	1	2	23	96
	Sorbus aucuparia	E3b	.	.	.	.	+	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	.	+	4	17
	Sorbus aucuparia	E2b	1	+	+	+	.	+	.	.	.	.	.	+	.	1	.	.	.	.	+	.	+	.	.	.	9	38
	Sorbus aucuparia	E2a	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Sorbus aucuparia	E1	.	+	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	3	13
	Urtica dioica	E1	.	+	.	.	+	.	1	1	.	+	.	.	+	.	.	.	.	+	.	.	.	.	+	1	9	38
	Galeopsis speciosa	E1	.	.	.	.	.	+	+	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	5	21
	Salix caprea	E3a	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Salix caprea	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	4

VP	***Vaccinio-Piceetea***																												
	Dryopteris dilatata	E1	1	1	2	1	1	.	1	+	1	2	2	1	3	+	2	.	+	+	1	.	+	+	+	1	21	88
	Gentiana asclepiadea	E1	.	.	.	1	1	+	1	+	+	1	1	1	1	+	+	1	+	+	+	+	1	.	+	.	19	79
	Oxalis acetosella	E1	1	1	2	1	1	.	.	+	1	.	1	1	1	1	.	1	.	.	+	.	.	1	+	+	15	63
	Phegopteris connectilis	E1	.	.	2	2	1	.	2	+	1	1	2	2	1	1	1	1	.	.	.	.	.	+	.	.	14	58
	Luzula luzuloides subsp. *luzuloides*	E1	.	.	.	+	.	2	+	+	.	+	+	1	.	.	+	.	.	.	.	+	+	+	+	.	12	50
	Calamagrostis arundinacea	E1	.	.	.	.	+	+	.	.	.	3	1	1	.	2	2	+	.	.	.	.	+	2	.	.	10	42
	Vaccinium myrtillus	E1	.	2	+	+	.	.	+	.	.	+	1	1	.	.	.	.	.	+	.	.	+	.	.	.	9	38
	Maianthemum bifolium	E1	.	.	.	.	.	.	.	.	.	1	1	2	+	+	+	.	.	.	.	.	+	1	.	.	8	33
	Luzula sylvatica	E1	+	1	+	1	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	+	.	8	33
	Picea abies	E3	.	.	.	.	+	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	+	.	.	+	4	17
	Picea abies	E2b	.	.	1	+	+	.	.	.	.	.	.	r	+	.	+	.	.	.	.	.	.	.	.	+	7	29
	Picea abies	E2a	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Picea abies	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Thelypteris limbosperma	E1	.	+	2	2	+	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	6	25
	Aposeris foetida	E1	.	+	+	.	+	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	+	.	6	25
	Dryopteris expansa	E1	.	.	.	.	.	.	+	.	.	+	.	.	+	+	.	.	.	.	.	.	.	+	.	.	5	21
	Luzula luzuloides subsp. *rubella*	E1	.	.	.	.	.	.	+	.	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	4	17
	Rosa pendulina	E2a	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	2	+	.	.	4	17
	Calamagrostis villosa	E1	+	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	13
	Luzula pilosa	E1	.	.	1	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	13
	Veronica urticifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	1	.	.	3	13
	Circaea alpina	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	2	8
	Gymnocarpium dryopteris	E1	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Blechnum spicant	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Saxifraga cuneifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	2	8
	Melampyrum sylvaticum	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Luzula luzulina	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Homogyne alpina	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Huperzia selago	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Avenella flexuosa	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Solidago virgaurea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
EP	***Erico-Pinetea***																												
	Rubus saxatilis	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	2	8
	Cirsium erisithales	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	8
AF	***Aremonio-Fagion***																												
	Cardamine trifolia	E1	.	1	2	2	.	.	.	.	1	.	.	.	1	+	.	1	.	.	.	.	1	.	.	.	8	33

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Pr.	Fr.
	Stellaria montana	E1	.	.	.	.	.	.	+	+	.	+	+	.	.	.	1	.	.	.	.	.	.	.	.	.	5	21
	Knautia drymeia	E1	.	+	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	4	17
	Cardamine enneaphyllos	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	2	.	4	17
	Helleborus niger	E1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Euphorbia carniolica	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Cyclamen purpurascens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
FS	***Fagetalia sylvaticae***																											
	Paris quadrifolia	E1	.	+	+	+	.	.	.	+	.	.	.	.	+	1	1	.	+	.	+	.	+	+	+	1	13	54
	Dryopteris filix-mas	E1	.	.	.	.	+	.	1	+	.	.	.	.	+	+	+	.	+	+	.	.	1	+	1	+	12	50
	Epilobium montanum	E1	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	+	+	+	.	+	.	1	+	8	33
	Myosotis sylvatica	E1	.	+	.	.	+	.	.	1	.	.	.	.	+	.	.	.	+	.	.	.	.	.	1	+	7	29
	Chrysosplenium alternifolium	E1	+	.	.	.	+	.	.	+	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	6	25
	Ranunculus lanuginosus	E1	+	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	+	6	25
	Daphne mezereum	E2a	.	.	+	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	5	21
	Mercurialis perennis	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	+	.	4	17
	Adoxa moschatellina	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	3	13
	Polystichum aculeatum	E1	.	+	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	3	13
	Symphytum tuberosum	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	3	13
	Scrophularia nodosa	E1	.	.	.	.	.	+	r	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	3	13
	Fagus sylvatica	E3	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	8
	Fagus sylvatica	E2b	.	.	.	.	.	.	.	.	.	+	r	.	.	+	.	.	.	.	.	.	.	.	.	.	.	3	13
	Petasites albus	E1	.	.	+	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Carex sylvatica	E1	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Lilium martagon	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	8
	Aruncus dioicus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	2	8
	Galium laevigatum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	2	8
	Lonicera alpigena	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	2	8
	Phyteuma spicatum	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Asarum europaeum subsp. *europaeum*	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Polystichum x luerssenii	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Cardamine impatiens	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Leucojum vernum	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Polystichum braunii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	4
	Brachypodium sylvaticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4
	Actaea spicata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
	Prenanthes purpurea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	4

	Poa nemoralis	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.		.	.	.	.	.	.	1	.		1	4
	Corydalis solida	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.		.	.	.	.	.	.	+	.		1	4
	Prunus avium	E3b	.	.	.	.		.	.	.	.	.	.	.	.	.	.		.	.	.	.	.	.	.	+		1	4
QP	***Quercetalia pubescentis***																												
	Sorbus aria	E3	.	.	.	.		.	.	.	.	2	.	.	.	.	2	.	.	.	.	.	+	+	.	.		4	17
	Sorbus aria	E2b	.	.	.	.		.	.	.	.	.	.	.	.	.	.		.	.	.	.	+	+	.	.		2	8
	Convallaria majalis	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.		.	.	.	.	+	.	.	.		1	4
QF	***Querco-Fagetea***																												
	Anemone nemorosa	E1	+	.	.	.		.	.	2	3	2	2	2	3	2	1	+	.	.	+	.	+	1	1	2		15	63
	Stellaria holostea	E1	.	.	.	.		.	+	.	.	.	.	.	.	.	r	.	.	.	.	.	1	.	.	.		3	13
	Hepatica nobilis	E1	.	+	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.		2	8
	Ranunculus auricomus agg.	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.		2	8
	Festuca heterophylla	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		1	4
	Cruciata glabra	E1	.	.	.	.		+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		1	4
	Viola riviniana	E1	.	.	.	.		r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		1	4
	Aegopodium podagraria	E1	.	.	.	.		.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		1	4
RP	***Rhamno-Prunetea***																												0
	Viburnum opulus	E2a	.	.	.	.		.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.		1	4
	Rosa canina	E2a	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.		1	4
ES	***Elyno-Seslerietea***																												
	Betonica alopecuros	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.		2	8
TG	*Laserpitium latifolium*	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.		1	4
	Bromopsis transsilvanica	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.		1	4
	Carduus crassifolius	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.		1	4
	Festuca calva	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.		1	4
	Sesleria caerulea subsp. *calcaria*	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.		1	4
	Carex ferruginea	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.		1	4
CU	***Calluno-Ulicetea***																												
	Phyteuma zahlbruckneri	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.		1	4
	Alchemilla flabellata	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.		1	4
PaT	***Poo alpinae-Trisetalia***																												
	Cardaminopsis halleri subsp. *ovirensis*	E1	.	.	.	.		2	.	.	.	.	.	.	+	.	.	.	1	1	1	.	.	.	+	+		7	29
	Trollius europaeus	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	+		3	13
	Poa alpina	E1	.	.	.	.		.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.		2	8
	Festuca nigrescens	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	.		2	8
	Crocus albiflorus	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+		2	8
	Agrostis capillaris	E1	.	.	.	.		.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.		1	4

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Pr.	Fr.
MA	***Molinio-Arrhenatheretea***																											
	Deschampsia cespitosa	E1	.	+	1	+	+	.	3	2	2	+	3	2	+	.	.	.	1	+	.	1	1	.	.	.	15	63
	Angelica sylvestris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	+	.	.	.	+	4	17
	Caltha palustris	E1	.	.	+	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Galium mollugo	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	2	8
	Astrantia major	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
EA	***Epilobietea angustifolii***																											
	Chamaenerion angustifolium	E1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	8
MC	***Montio-Cardaminetea***																											
	Cardamine flexuosa	E1	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
TR	***Thlaspietea rotundifolii***																											
	Arabis alpina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	2	8
	Festuca nitida	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
	Ligusticum seguieri	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
	Gymnocarpium robertianum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
AT	***Asplenietea trichomanis***																											
	Cystopteris fragilis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Cystopteris regia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	4
O	**Other species (Druge vrste)**																											
	Alchemilla sp.	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
ML	**Mosses and lichens (Mahovi in lišaji)**																											
	Ctenidium molluscum	E0	.	.	.	.	+	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	+	+	1	.	7	29
	Polytrichum formosum	E0	.	+	+	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	+	.	.	6	25
	Tortella tortuosa	E0	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	3	13
	**Pellia endiviifolia*	E0	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	**Cirriphyllum crassinervum*	E0	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
	Isothecium alopecuroides	E0	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	8
	Atrichum undulatum	E0	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	2	8
	Plagiochila porelloides	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+	2	8
	Rhytidiadelphus triquetrus	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+	2	8
	Mnium sp.	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Plagiothecium undulatum	E0	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Hoockeria lucens	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	**Cephalozia bicuspidata*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	**Herzogiella seligeri*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	**Brachythecium plumosum*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4

**Plagithecium nemorale*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
**Calypogea azurea*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
**Chiloscyphus polyanthos*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
**Riccardia palmata*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
**Atrichum angustatum*	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Plagiochila asplenioides	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Fissidens taxifolius	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
**Campylium stellatum*	E0	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
**Plagiomnium rostratum*	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Homalothecium lutescens	E0	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Marchantia polymorpha	E0	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
Musci sp.	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	4
Hypnum cupressiforme	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	4
Fissidens dubius	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
Conocephalum conicum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
Peltigera canina	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4

* det. Andrej Martinčič

A Limestone – apnenec
D Dolomite – dolomit
G Claystone – glinavec
R Chert – roženec
L Marl – laporovec
Gr Gravel – pobočni grušč
T Tonalite – tonalit
Re Rendzina – rendzina
Dy Dystric brown soil – distrična rjava tla
Ev Eutric brown soil – evtrična rjava tla
K Brown calcareous soil – rjava pokarbonatna tla
ID Igor Dakskobler
GS Gabrijel Seljak
AR Andrej Rozman
AS Andrej Seliškar

Table 3 / Tabela 3: *Huperzio selagi-Alnetum viridis* ass. nov.

	Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6		
	Database number of relevé (Delovna številka popisa)		244808	244812	244809	244811	244810	244813		
	Elevation in m (Nadmorska višina v m)		1640	1650	1645	1640	1650	1670		
	Aspect (Lega)		N	NE	NW	N	NE	NE		
	Slope in degrees (Nagib v stopinjah)		35	40	35	45	35	50		
	Parent material (Matična podlaga)		AN	AN	AN	AN	AN	AN		
	Soil (Tla)		Dy	Ra	Dy	Ra	Dy	Ra		
	Stoniness in % (Kamnitost v %)		5	5	5	40	5	40		
	Cover of shrub layer in % (Zastiranje grmovne plasti v %):	E2	80	90	80	80	80	70		
	Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	80	90	80	80	80	70		
	Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	30	20	30	10	10	10		
	Number of species (Število vrst)		42	33	32	51	32	36		
	Relevé area (Velikost popisne ploskve)	m^2	100	100	100	100	100	100		
	Date of taking relevé (Datum popisa)		9/11/ 2012	9/11/ 2012	9/11/ 2012	9/11/ 2012	9/11/ 2012	9/11/ 2012		
	Locality (Nahajališče)		Komen	Komen	Komen	Komen	Komen	Komen		
	Quadrant (Kvadrant)		9555/3	9555/3	9555/3	9555/3	9555/3	9555/3		
	Coordinate GK Y (D-48)	m	488470	488621	488904	488728	488831	488544		
	Coordinate GK X (D-48)	m	141639	141563	141655	141557	141478	141608		
	Author of the relevé (Avtor popisa)		ID, AS	ID, AS	ID, AS	ID, AS	ID, AS	ID, AS	Pr.	Fr.
	Diagnostic species of the association (Diagnostične vrste asociacije)									
VP	*Vaccinium vitis-idaea*	E1	+	+	+	+	+	2	6	100
ML	**Sphagnum russowii*	E0	2	1	2	+	.	+	5	83
VP	*Lycopodium annotinum*	E1	1	1	1	1	.	+	5	83
VP	*Huperzia selago*	E1	+	+	.	+	+	1	5	83
VP	*Rhytidiadelphus loreus*	E0	1	+	1	1	.	.	4	66
JT	*Festuca varia*	E1	+	+	.	.	+	+	4	67
QF	*Festuca guestfalica*	E1	+	.	.	1	+	2	4	67
VP	*Thelypteris limbosperma*	E1	+	1	1	.	.	.	3	50
AV	*Primula villosa*	E1	r	.	.	.	r	.	2	33
JT	*Primula minima*	E1	r	.	.	.	.	3	2	33
BA	***Betulo carpaticae-Alnetea viridis***									
	Alnus viridis	E2b	4	5	5	5	5	4	6	100
	Alnus viridis	E2a	+	.	.	.	.	1	2	33
	Alnus viridis	E1	.	.	.	.	.	+	1	17
MuA	***Mulgedio-Aconitetea***									
	Athyrium filix-femina	E1	+	+	.	+	+	.	4	67
	Veratrum album subsp. a*lbum*	E1	+		+	r			3	50
	Viola biflora	E1	+	.	.	2	.	+	3	50
	Stellaria nemorum	E1	.	.	+	1	.	.	2	33
	Polygonatum verticillatum	E1	.	+	.	.	.	.	1	17
	Saxifraga rotundifolia	E1	.	.	.	+	.	.	1	17
	Adenostyles alliariae	E1	.	.	.	r	.	.	1	17
SSC	***Sambuco-Salicion capreae***									
	Sorbus aucuparia	E3a	.	.	.	.	+	.	1	17
	Sorbus aucuparia	E2b	+	1	+	+	.	+	5	83
	Sorbus aucuparia	E2a	.	+	.	+	+	.	3	50

	Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	Pr.	Fr.
	Sorbus aucuparia	E1	+	.	.	+	.	+	3	50
	Rubus idaeus	E2a	.	+	.	+	1	.	3	50
VP	***Vacinio-Piceetea***									
	Vaccinium myrtillus	E1	4	3	2	1	3	3	6	100
	Calamagrostis villosa	E1	4	4	4	+	3	+	6	100
	Avenella flexuosa	E1	+	1	2	+	+	+	6	100
	Phegopteris connectilis	E1	2	2	2	1	1	.	5	83
	Picea abies	E3a	+	.	.	.	+	.	2	33
	Picea abies	E2	1	+	+	+	+	1	6	100
	Picea abies	E1	+	+	+	.	.	.	3	50
	Dryopteris dilatata	E1	2	3	3	3	1	.	5	83
	Oxalis acetosella	E1	1	1	2	2	+	.	5	83
	Luzula sylvatica	E1	1	+	4	+	.	.	4	67
	Homogyne alpina	E1	+	+	1	+	.	.	4	67
	Solidago virgaurea	E1	.	+	.	+	.	+	3	50
	Luzula luzuloides subsp. *luzuloides*	E1	.	.	+	+	1	.	3	50
	Dryopteris expansa	E1	+	+					2	33
	Calamagrostis arundinacea	E1	+	.	.	.	1	.	2	33
	Gentiana asclepiadea	E1	.	1	1	.	.	.	2	33
	Valeriana tripteris	E1	.	.	.	+	.	+	2	33
	Clematis alpina	E2a	.	.	.	.	r	+	2	33
	Blechnum spicant	E1	+	.	.	.	.	.	1	17
	Abies alba	E1	r	.	.	.	.	.	1	17
	Larix decidua	E2a	.	.	.	.	.	r	1	17
	Larix decidua	E1	.	.	.	.	.	r	1	17
EP	***Erico-Pinetea***									
	Rhododendron hirsutum	E2a	+	.	.	+	r	1	4	67
	Pinus mugo	E2	.	+	.	.	+	+	3	50
	Erica carnea	E1	.	.	.	.	+	+	2	33
FS	***Fagetalia sylvaticae***									
	Dryopteris affinis	E1	.	.	.	+	+	.	2	33
	Lilium martagon	E1	.	.	.	.	.	+	1	17
QF	***Querco-Fagetea***									
	Anemone nemorosa	E1	1	+	+	+		+	5	83
	Melampyrum pratense	E1	r	.	.	.	+	.	2	33
	Carex brizoides	E1	.	.	.	.	+	.	1	17
ES	***Elyno-Seslerietea***									
	Gentianella anisodonta	E1	.	.	.	.	.	+	1	17
	Aster bellidiastrum	E1	.	.	.	.	.	r	1	17
LV	***Loiseleurio-Vaccinietea***									
	Vaccinium gaultherioides	E1	.	.	.	.	.	3	1	17
	Empetrum hermaphroditum	E1	.	.	.	.	.	+	1	17
CU	***Calluno-Ulicetea***									
	Campanula barbata	E1	r	.	.	r	.	r	3	50
	Calluna vulgaris	E1	.	.	.	.	+	+	2	33
	Carex pilulifera	E1	.	.	.	.	.	+	1	17
	Festuca filiformis	E1	.	.	.	.	.	+	1	17
EA	***Epilobietea angustifolii***									
	Chamaenerion angustifolium	E1	.	.	.	.	+	.	1	17
AT	***Asplenietea trichomanis***									
	Cystopteris fragilis	E1	.	.	.	+	.	.	1	17
	Paederota lutea	E1	.	.	.	+	.	.	1	17
	Hieracium schmidtii	E1	.	.	.	.	.	r	1	17

	Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	Pr.	Fr.
JT	***Juncetea trifidi***									
	Agrostis rupestris	E1	+	.	.	+	.	.	2	33
	Pulsatilla alpina subsp. *alba*	E1	.	.	.	.	.	1	1	17
	Campanula alpina	E1	.	.	.	.	.	+	1	17
MA	***Molinio-Arrhenatheretea***									
	Deschampsia cespitosa	E1	+	+	.	1	.	.	3	50
MC	***Montio-Cardaminetea***									
	Saxifraga stellaris subsp. *prolifera*	E1	.	.	+	+	.	.	2	33
	Cardamine amara	E1	.	.	.	r	.	.	1	17
TR	***Thlaspietea rotundifolii***									
	Campanula cochleariifolia	E1	.	.	.	1	+	.	2	33
	Hieracium bifidum	E1	.	.	.	+	.	.	1	17
	Cardamine resedifolia	E1				r			1	17
ML	**Moses and lichens (Mahovi in lišaji)**									
	Polytrichum formosum	E0	+	+	2	1	+	.	5	83
	Dicranum scoparium	E0	+	+	1	.	+	+	5	83
	Rhytidiadelphus triquetrus	E0	2	.	1	1	.	1	4	67
	**Diplophyllum albicans*	E0	+	+	.	+	.	.	3	50
	**Pogonatum unigerum*	E0	+	.	+	+	.	.	3	50
	Tortella tortuosa	E0	.	+	+	.	+	.	3	50
	**Sphagnum subnitens*	E0	+	.	.	+	.	.	2	33
	Cetraria islandica	E0	.	+	.	.	r	.	2	33
	Hylocomium splendens	E0	.	.	.	+	.	+	2	33
	**Grimmia sp.*	E0	+	.	.	.	.	.	1	17
	**Cephalozia lacinulata*	E0	+	.	.	.	.	.	1	17
	**Calypogeia azurea*	E0	+	.	.	.	.	.	1	17
	**Nardia scalaris*	E0	.	+	.	.	.	.	1	17
	**Amphidium mougeotii*	E0	.	+	.	.	.	.	1	17
	Plagiothecium undulatum	E0	.	.	1	.	.	.	1	17
	**Hypnum cupressiforme* var. *cupressiforme*	E0	.	.	+	.	.	.	1	17
	**Calypogeia integristipula*	E0	.	.	+	.	.	.	1	17
	**Tortella densa*	E0	.	.	+	.	.	.	1	17
	**Brachythecium plumosum*	E0	.	.	+	.	.	.	1	17
	**Polytrichum juniperinum*	E0	.	.	.	+	.	.	1	17
	**Racomitrium lanuginosum*	E0	.	.	.	+	.	.	1	17
	**Polytrichum alpinum*	E0	.	.	.	+	.	.	1	17
	**Rhizomnium punctatum*	E0	.	.	.	+	.	.	1	17
	**Brachytehecium rutabulum*	E0	.	.	.	+	.	.	1	17
	Rhizocarpon geographicum	E0	.	.	.	.	.	1	1	17

* det. Andrej Martinčič

AN Andesite – andezit
Ra Ranker – ranker
Dy Dystric brown soil – distrična rjava tla
ID Igor Dakskobler
AS Andrej Seliškar

Table 4: Synoptic table of the macroassociation *Alnetum viridis* s. lat.
Tabela 4: Sintezna tabela makroasociacije *Alnetum viridis* s. lat.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Number of relevés (Število popisov)		4	18	54	24	107	23	24	53	6
	Sign for the syntaxa (Oznaka sintaksonov)		RhAv-K	RhAv-SI	Avac-A	Avty-SI	Avty-A	Av-CH	Avrf-A	RfAv-Alps	HsAv-SI
	Author (Avtor)		Aich	ID	Kar	ID	Kar	BB	Kar	Po	ID
	Diagnostic species of the association *Rhododendro hirsuti-Alnetum viridis*										
	Diagnostične vrste asociacije *Rhododendro hirsuti-Alnetum viridis*										
MuA	*Primula elatior*	E1	75	50	35	4	3	9	.	.	.
VP	*Homogyne sylvestris*	E1	50	61	.	.	.	.	.	.	.
TA	*Acer pseudoplatanus*	E2	50	33	37	38	6	4	.	4	.
TA	*Acer pseudoplatanus*	E1	.	17	.	29	.	.	.	.	.
MuA	*Aconitum lycoctonum* s. lat.	E1	25	100	43	21	8	26	.	.	.
VP	*Polystichum lonchitis*	E1	25	83	50	13	7	26	.	2	.
EP	*Rhododendron hirsutum*	E2a	25	56	39	17	.	.	.	.	67
VP	*Valeriana tripteris*	E1	.	83	37	13	8	4	.	.	33
AT	*Asplenium viride*	E1	.	78	32	8	1	.	.	.	.
FS	*Galeobdolon flavidum* (*G. luteum* agg.)	E1	.	67	44	25	3	.	.	.	.
MuA	*Thalictrum aquilegiifolium*	E1	.	67	33	4	3	4	.	.	.
BA	*Salix waldsteiniana*	E2	.	56	13	21	1	.	.	.	.
BA	*Sorbus chamaemespilus*	E2	.	56	13	8	.	.	.	6	.
TR	*Adenostyles glabra*	E1	.	56	11	25	.	.	.	.	.
TR	*Cystopteris montana*	E1	.	50	.	.	.	9	.	.	.
	Diagnostic species of the association *Rhododendro ferruginei-Alnetum viridis*										
	Diagnostične vrste asociacije *Rhododendro ferruginei-Alnetum viridis*										
VP	*Dryopteris dilatata*	E1	100	61	44	88	40	65	54	81	83
VP	*Vaccinium myrtillus*	E1	75	61	59	38	40	39	92	72	100
SSC	*Rubus idaeus*	E2a	50	22	46	96	48	26	21	64	50
VP	*Rhododendron ferrugineum*	E1	.	.	2	.	22	22	92	79	.
JT	*Potentilla aurea*	E1	.	.	13	.	15	17	67	.	.
JT	*Anthoxanthum odoratum* agg.	E1	.	6	11	.	12	.	54	17	.
	Diagnostic species of the association *Huperzio-Alnetum viridis*										
	Diagnostične vrste asociacije *Huperzio-Alnetum viridis*										
VP	*Vaccinium vitis-idaea*	E1	.	33	11	.	7	17	42	9	100
VP	*Huperzia selago*	E1	.	11	.	4	.	4	.	2	83
VP	*Lycopodium annotinum*	E1	.	33	13	.	.	.	13	.	83
VP	*Sphagnum russowii*	E0	.	.	.	.	.	.	.	.	83
VP	*Rhytidiadelphus loreus*	E0	.	11	.	.	.	.	.	.	67
VP	*Thelypteris limbosperma*	E1	.	.	11	25	18	.	8	8	50
JT	*Festuca varia*	E1	.	.	.	.	.	.	.	2	67
QF	*Festuca guestfalica*	E1	.	.	.	.	.	.	.	.	67
JT	*Primula minima*	E1	.	.	.	.	.	.	.	.	33
AV	*Primula villosa*	E1	.	.	.	.	.	.	.	.	33
BA	***Betulo carpaticae-Alnetea viridis***										
	Alnus viridis	E2b	100	100	100	100	100	100	100	100	100
	Ribes alpinum	E2a	50	.	.	8	.	.	.	.	.
	Salix appendiculata	E2b	25	50	28	29	18	22	4	8	.
	Salix hastata	E2	25	.	6	.	7	.	.	.	.
	Ribes petraeum	E1	.	.	2	.	1	22	4	.	.
MuA	***Mulgedio-Aconitetea***										
	Viola biflora	E1	100	89	89	29	66	87	50	28	50
	Saxifraga rotundifolia	E1	100	72	78	38	56	65	25	15	17

Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
Chaerophyllum hirsutum	E1	100	67	70	29	36	52	13	8	.
Adenostyles alliariae	E1	100	67	70	50	56	96	33	25	17
Stellaria nemorum s.str.	E1	100	39	48	63	57	74	21	34	33
Cicerbita alpina	E1	100	22	43	17	20	74	.	4	.
Silene dioica	E1	100	22	26	8	8	26	.	.	.
Aconitum degenii subsp. *paniculatum*	E1	100	17	15	.	.	35	.	.	.
Senecio nemorensis	E1	100	17	.	4	.	35	.	40	.
Lamium maculatum	E1	100	.	.	13	.	.	.	.	.
Polygonatum verticillatum	E1	75	61	33	75	7	9	17	8	17
Doronicum austriacum	E1	75	50	17	13	14	.	8	15	.
Streptopus amplexifolius	E1	75	6	.	13	.	13	.	2	.
Cirsium carniolicum	E1	75	6	.	.	.	.	.	.	.
Rumex arifolius	E1	50	28	28	42	56	65	46	30	.
Geranium sylvaticum	E1	25	67	65	8	50	61	4	6	.
Veratrum album s. lat.	E1	25	61	61	83	62	65	71	36	50
Ranunculus platanifolius	E1	25	39	13	17	13	39	8	8	.
Hypericum maculatum	E1	25	39	59	38	32	13	29	4	.
Senecio ovatus	E1	25	33	67	58	51	.	63	.	.
Carduus personata	E1	25	22	13	25	3	9	4	.	.
Lathyrus occidentalis var. *montanus*	E1	25	6	.	.	.	.	.	.	.
Pleurospermum austriacum	E1	25	6	.	4	.	.	.	.	.
Allium victorialis	E1	25	6	2	.	1	.	.	2	.
Milium effusum	E1	25	6	6	4	5	22	.	4	.
Athyrium distentifolium	E1	25	.	28	13	67	26	42	45	.
Agropyron caninum	E1	25	.	.	.	.	4	.	2	.
Geum rivale	E1	.	67	43	50	6	17	4	8	.
Thalictrum aquilegiifolium	E1	.	67	33	4	3	4	.	2	.
Senecio cacaliaster	E1	.	61	4	46	.	.	.	.	.
Athyrium filix-femina	E1	.	50	48	96	12	9	29	43	67
Crepis paludosa	E1	.	50	22	25	6	13	4	.	.
Heracleum sphondylium subsp. *montanum* (inc. *H. pollinianum*)	E1	.	33	17	8	5	4	.	6	.
Salix glabra	E2a	.	33	6	4	.	.	.	.	.
Tephroseris crispa	E1	.	22	4	.	.	.	.	.	.
Poa hybrida (inc. *P.chaixii*)	E1	.	22	19	8	1	13	.	2	.
Aconitum tauricum (inc. *A. napellus* agg.)	E1	.	22	32	4	30	52	38	4	.
Cirsium waldsteinii	E1	.	22	.	.	.	.	.	.	.
Myrrhis odorata	E1	.	17	.	.	.	.	.	.	.
Chaerophyllum villarsii	E1	.	17	11	21	14	.	8	.	.
Epilobium alpestre	E1	.	17	22	4	10	35	4	.	.
Phyteuma ovatum	E1	.	11	.	4	.	26	.	2	.
Alchemilla xanthochlora	E1	.	11	.	25	.	.	.	.	.
Alchemilla venosula (A. gracillima)	E1	.	11	.	.	.	.	.	.	.
Carduus carduelis	E1	.	11	.	.	.	.	.	.	.
Crepis pyrenaica	E1	.	6	4	.	1	.	.	.	.
Silene vulgaris subsp. *antelopum*	E1	.	6	15	.	19	4	.	17	.
Pedicularis recutita	E1	.	6	.	.	.	13	38	.	.
Circaea alpina	E1	.	6	.	.	.	.	.	.	.
Knautia dipsacifolia	E1	.	.	33	.	7	9	4	.	.
Peucedanum ostruthium	E1	.	.	24	.	63	87	58	28	.
Centaurea montana	E1	.	.	6	.	.	.	.	.	.
Schrophularia scopolii	E1	.	.	.	8	.	.	.	.	.
Alchemilla monticola	E1	.	.	.	4	.	.	.	.	.
Rumex alpinus	E1	.	.	.	4	.	.	.	6	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Anthriscus nitidus	E1	.	.	.	4	.	.	.	.	.
	Cirsium helenioides	E1	.	.	.	.	3	4	4	.	.
	Achillea macrophylla	E1	.	.	.	.	.	70	.	4	.
	Cerinthe glabra	E1	.	.	.	.	.	4	.	.	.
	Chaerophyllum aureum	E1	.	.	.	.	.	4	.	.	.
	Senecio alpinus	E1	.	.	.	.	.	4	.	.	.
	Cirsium spinosissimum	E1	.	.	.	.	.	.	.	8	.
	Salix helvetica	E1	.	.	.	.	.	.	.	6	.
SSC	***Sambuco-Salicion capreae***										
	Sorbus aucuparia	E2b	75	39	56	50	28	39	33	34	100
	Sorbus aucuparia	E2a	.	6	.	8	.	.	.	.	50
	Sorbus aucuparia	E1	.	22	.	13	.	.	.	.	50
	Urtica dioica	E1	25	17	15	38	20	17	.	6	.
	Fragaria vesca	E1	.	6	19	.	13	4	4	4	.
	Galeopsis speciosa	E1	.	6	.	21	.	.	.	13	.
	Sambucus racemosa	E1	.	.	7	.	1	.	.	.	.
	Salix caprea	E3a	.	.	.	4	.	.	.	.	.
	Salix caprea	E2b	.	.	.	4	.	.	.	.	.
RP	*Viburnum opulus*	E2a	.	.	.	4	.	.	.	.	.
RP	*Rosa canina*	E2a	.	.	.	4	.	.	.	.	.
VP	***Vaccinio-Piceetea***										
	Calamagrostis villosa	E1	100	50	19	13	43	52	75	38	100
	Luzula sylvatica	E1	75	61	46	33	22	22	4	21	67
	Aposeris foetida	E1	50	44	37	25	13	.	.	.	.
	Homogyne alpina	E1	50	28	41	4	33	43	79	38	67
	Lonicera nigra	E2a	50	17	13	.	1	13	.	.	.
	Solidago virgaurea s. lat.	E1	25	50	43	4	59	52	63	28	50
	Phegopteris connectilis	E1	25	50	15	58	10	4	13	47	83
	Picea abies	E3	.	.	.	17	.	.	.	.	.
	Picea abies	E2b	25	56	35	29	26	9	46	11	100
	Picea abies	E1	.	22	.	4	.	.	.	.	50
	Gentiana asclepiadea	E1	25	44	24	79	4	.	4	.	33
	Clematis alpina	E2a	25	44	11	.	1	4	.	2	33
	Luzula luzuloides subsp. *luzuloides*	E1	25	22	6	50	25	.	13	21	50
	Veronica urticifolia	E1	25	17	17	13	4	9	.	4	.
	Larix decidua	E3	.	6	.	.	.	.	.	.	.
	Larix decidua	E2	.	50	30	.	9	.	25	11	17
	Oxalis acetosella	E1	.	56	54	63	42	56	33	43	83
	Rosa pendulina	E2a	.	44	11	17	3	9	.	2	.
	Gymnocarpium dryopteris	E1	.	44	11	8	13	.	4	11	.
	Saxifraga cuneifolia	E1	.	33	.	8	.	.	.	2	.
	Dryopteris expansa	E1	.	22	.	21	.	.	.	.	33
	Maianthemum bifolium	E1	.	17	4	33	2	.	8	13	.
	Calamagrostis arundinacea	E1	.	11	.	42	.	.	.	2	33
	Lonicera caerulea	E2a	.	11	11	.	4	39	13	9	.
	Abies alba	E2	.	11	.	.	.	.	.	2	.
	Abies alba	E1	.	11	.	.	.	.	.	.	17
	Pyrola rotundifolia	E1	.	11	.	.	.	.	.	.	.
	Luzula luzuloides subsp. *rubella*	E1	.	6	.	17	.	.	.	.	.
	Luzula luzulina	E1	.	6	.	4	.	.	.	.	.
	Hieracium murorum	E1	.	.	17	.	13	4	21	9	.
	Avenella flexuosa	E1	.	.	9	4	32	.	71	42	100
	Pinus cembra	E2	.	.	6	.	3	.	29	6	.
	Luzula pilosa	E1	.	.	.	13	.	.	.	2	.
	Circaea alpina	E1	.	.	.	8	.	.	.	.	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Blechnum spicant	E1	.	.	.	8	.	.	.	2	17
	Melampyrum sylvaticum	E1	.	.	.	4	.	.	.	.	.
	Linnaea borealis	E1	.	.	.	.	.	4	.	.	.
	Festuca flavescens	E1	.	.	.	.	.	.	.	15	.
EP	***Erico-Pinetea***										
	Aquilegia nigricans	E1	25	11	.	.	.	.	.	.	.
	Pinus mugo	E2a	25	11	17	.	9	.	.	4	50
	Rubus saxatilis	E1	.	78	20	8	2	4	.	2	.
	Calamagrostis varia	E1	.	28	13	.	1	.	.	4	.
	Cirsium erisithales	E1	.	28	.	8	.	.	.	2	.
	Carex ornithopoda	E1	.	17	.	.	.	.	.	.	.
	Erica carnea	E1	.	11	.	.	.	.	.	.	33
	Rhodothamnus chamaecistus	E1	.	6	.	.	.	.	.	.	.
	Galium austriacum	E1	.	6	.	.	.	.	.	.	.
	Juniperus alpina	E1	.	.	6	.	3	.	25	8	.
	Aquilegia attrata	E1	.	.	6	.	.	.	.	.	.
	Molinia caerulea agg.	E1	.	.	.	.	4	.	4	2	.
	Aquilegia alpina	E1	.	.	.	.	.	4	.	.	.
AF	***Aremonio-Fagion***										
	Lamium orvala	E1	50	.	.	.	.	.	.	.	.
	Cardamine enneaphyllos	E1	25	44	26	17	.	.	.	.	.
	Cyclamen purpurascens	E1	25	28	.	4	.	.	.	.	.
	Helleborus niger	E1	25	22	.	4	.	.	.	.	.
	Knautia drymeia	E1	25	22	.	17	.	.	.	.	.
	Cardamine trifolia	E1	.	17	.	33	.	.	.	2	.
	Anemone trifolia	E1	.	6	.	.	.	.	.	.	.
	Stellaria montana	E1	.	.	.	21	.	.	.	.	.
	Euphorbia carniolica	E1	.	.	.	4	.	.	.	.	.
FS	***Fagetalia sylvaticae***										
	Daphne mezereum	E2a	100	50	28	21	.	4	4	2	.
	Paris quadrifolia	E1	100	72	43	54	5	17	.	.	.
	Dryopteris filix-mas	E1	100	50	41	50	28	9	13	.	.
	Mercurialis perennis	E1	100	39	17	17	.	.	.	.	.
	Ranunculus lanuginosus	E1	100	22	.	25	.	.	.	.	.
	Lilium martagon	E1	75	28	9	8	3	.	.	.	17
	Symphytum tuberosum	E1	75	22	.	13	.	.	.	.	.
	Chrysosplenium alternifolium	E1	75	17	30	25	9	13	4	.	.
	Polystichum aculeatum	E1	75	11	.	13	.	.	.	.	.
	Myosotis sylvatica	E1	75	11	33	29	21	56	17	8	.
	Poa nemoralis	E1	50	28	17	4	10	48	.	9	.
	Lonicera alpigena	E2a	50	22	15	8	1	13	.	2	.
	Epilobium montanum	E1	50	.	19	33	25	4	.	4	.
	Melica nutans	E1	25	22	7	.	.	.	.	4	.
	Adoxa moschatellina	E1	25	6	.	13	.	.	.	.	.
	Actaea spicata	E1	25	6	7	4	1	.	.	.	.
	Galeobdolon flavidum	E1	.	67	44	25	3	.	.	4	.
	Fagus sylvatica	E2	.	11	2	13	1	.	.	.	.
	Petasites albus	E1	.	6	6	8	17	.	.	.	.
	Lysimachia nemorum	E1	.	.	26	.	19	.	.	.	.
	Phyteuma spicatum	E1	.	.	20	4	6	.	.	.	.
	Prenanthes purpurea	E1	.	.	17	4	8	.	.	6	.
	Aruncus dioicus	E1	.	.	4	8	1	.	.	.	.
	Scrophularia nodosa	E1	.	.	.	13	.	.	.	2	.
	Galium laevigatum	E1	.	.	.	8	.	.	.	.	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Carex sylvatica	E1	.	.	.	8	.	.	.	.	.
	Cardamine impatiens	E1	.	.	.	4	.	.	.	.	.
	Corydalis solida	E1	.	.	.	4	.	.	.	.	.
	Prunus avium	E3	.	.	.	4	.	.	.	.	.
	Leucojum vernum	E1	.	.	.	4	.	.	.	.	.
	Asarum europaeum	E1	.	.	.	4	.	.	.	.	.
	Polystichum braunii	E1	.	.	.	4	1	.	.	.	.
	Polystichum x luerssenii	E1	.	.	.	4	.	.	.	.	.
	Brachypodium sylvaticum	E1	.	.	.	4	.	.	.	.	.
	Impatiens noli-tangere	E1	.	.	.	.	2	.	.	.	.
	Dryopteris affinis	E1	.	.	.	.	.	4	.	.	33
	Luzula nivea	E1	.	.	.	.	.	9	.	6	.
	Equisetum sylvaticum	E1	.	.	.	.	.	4	.	.	.
	Geranium robertianum	E1	.	.	.	.	.	.	.	2	.
	Petasites albus	E1	.	.	.	.	.	.	.	2	.
QP	***Quercetalia pubescentis***										
	Sorbus aria	E3	.	.	.	17	.	.	.	.	.
	Sorbus aria	E2	.	.	.	8	.	.	.	.	.
	Convallaria majalis	E1	.	.	.	4	.	.	.	2	.
	Hypericum montanum	E1	.	.	.	.	.	.	.	4	.
QF	***Querco-Fagetea***										
	Anemone nemorosa	E1	25	22	.	63	.	.	.	.	83
	Hepatica nobilis	E1	.	33	.	.	.	.	.	.	.
	Alnus incana	E1	.	.	2	.	.	.	.	.	.
	Rubus caesius	E1	.	.	75	.	.	.	.	.	.
	Stellaria holostea	E1	.	.	.	13	.	.	.	.	.
	Hepatica nobilis	E1	.	.	.	8	.	.	.	.	.
	Ranunculus auricomus agg.	E1	.	.	.	8	.	.	.	.	.
	Aegopodium podagraria	E1	.	.	.	4	.	.	.	.	.
	Festuca heterophylla	E1	.	.	.	4	.	.	.	2	.
	Cruciata glabra	E1	.	.	.	4	.	.	.	.	.
	Viola riviniana	E1	.	.	.	4	.	.	.	.	.
	Listera ovata	E1	.	.	.	.	1	.	.	.	.
	Orchis mascula	E1	.	.	.	.	.	4	.	.	.
	Dactylorhiza fuchsii	E1	.	.	.	.	.	.	.	2	.
	Melampyrum pratense	E1	.	.	.	.	.	.	.	.	33
	Carex brizoides	E1	.	.	.	.	.	.	.	.	17
TG	***Trifolio-Geranietea***										
	Digitalis grandiflora	E1	50	6	.	.	.	.	.	.	.
	Laserpitium latifolium	E1	.	.	.	4	.	.	.	.	.
	Hypericum perforatum	E1	.	.	.	.	.	.	.	4	.
ES	***Elyno-Seslerietea***										
	Sesleria caerulea subsp. *calcaria*	E1	.	33	6	4	.	.	.	.	.
	Carex ferruginea	E1	.	22	24	4	8	9	8	.	.
	Alchemilla vulgaris s.str.	E1	.	22	.	.	.	22	.	8	.
	Astrantia bavarica	E1	.	17	.	.	.	.	.	.	.
	Laserpitium peucedanoides	E1	.	11	.	.	.	.	.	.	.
	Campanula witasekiana	E1	.	11	.	.	.	.	.	.	.
	Galium anisophyllum	E1	.	11	4	.	.	.	4	4	.
	Heliosperma alpestre	E1	.	11	.	.	.	.	.	.	.
	Scabiosa lucida subsp. *stricta*	E1	.	6	6	.	1	.	.	.	.
	Betonica alopecuros	E1	.	6	4	8	.	.	.	.	.
	Festuca calva	E1	.	6	.	4	.	.	.	.	.
	Leucanthemum adustum	E1	.	6	.	.	.	4	.	.	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Koeleria eriostachya	E1	.	6	.	.	.	.	.	.	.
	Phleum hirsutum	E1	.	6	.	.	.	.	.	.	.
	Pulsatilla alpina subsp. *austroalpina*	E1	.	6	.	.	.	.	.	.	.
	Bartsia alpina	E1	.	6	.	.	.	.	.	.	.
	Carex sempervirens	E1	.	6	.	.	.	.	.	.	.
	Carex firma	E1	.	6	.	.	.	.	.	.	.
	Ranunculus montanus agg.	E1	.	.	24	.	7	4	4	2	.
	Aster bellidiastrum	E1	.	.	20	.	7	4	4	.	17
	Cardus defloratus	E1	.	.	7	.	3	.	.	.	.
	Polygonum viviparum	E1	.	.	6	.	1	.	4	4	.
	Phyteuma orbiculare	E1	.	.	4	.	.	.	.	.	.
	Luzula glabrata	E1	.	.	4	.	.	.	.	.	.
	Thesium alpinum	E1	.	.	4	.	1	.	4	.	.
	Heracleum austriacum	E1	.	.	2	.	.	.	.	.	.
	Acinos alpinus	E1	.	.	2	.	.	.	.	.	.
	Ligusticum mutellina	E1	.	.	2	.	8	17	8	6	.
	Thymus parecox	E1	.	.	2	.	.	.	13	2	.
	Bromopsis transsilvanica	E1	.	.	.	4	.	.	.	.	.
	Carduus crassifolius	E1	.	.	.	4	.	.	.	.	.
	Alchemilla alpina	E1	.	.	.	.	.	4	.	4	.
	Alchemilla fissa	E1	.	.	.	.	.	4	.	.	.
	Festuca pulchella	E1	.	.	.	.	.	9	.	.	.
	Myosotis alpestris	E1	.	.	.	.	.	4	.	.	.
	Gentiana lutea	E1	.	.	.	.	.	.	.	2	.
	Gentianella anisodonta	E1	.	.	.	.	.	.	.	.	17
CU	***Calluno-Ulicetea***										
	Coeloglossum viride	E1	.	11	.	.	.	.	.	.	.
	Potentilla erecta	E1	.	.	19	.	15	4	17	11	.
	Luzula multiflora	E1	.	.	9	.	.	.	21	.	.
	Geum montanum	E1	.	.	9	.	8	.	29	13	.
	Phleum alpinum agg.	E1	.	.	9	.	7	13	21	11	.
	Galium pumilum	E1	.	.	6	.	2	.	4	.	.
	Nardus stricta	E1	.	.	6	.	3	.	25	2	.
	Phyteuma zahlbruckneri	E1	.	.	.	4	.	.	.	2	.
	Alchemilla flabellata	E1	.	.	.	4	.	.	.	.	.
	Calluna vulgaris	E1	.	.	.	.	3	.	21	.	33
	Gentiana purpurea	E1	.	.	.	.	.	13	.	6	.
	Phyteuma betonicifolium	E1	.	.	.	.	.	4	.	.	.
	Carex pilulifera	E1	.	.	.	.	.	.	.	2	17
	Arnica montana	E1	.	.	.	.	.	.	.	4	.
	Campanula barbata	E1	.	.	.	.	.	.	.	2	50
	Omalotheca sylvatica	E1	.	.	.	.	.	.	.	4	.
	Festuca filiformis	E1	.	.	.	.	.	.	.	.	17
JT	***Juncetea trifidi***										
	Soldanella alpina	E1	.	39	32	.	8	9	29	.	.
	Gentiana pannonica	E1	.	17	20	.	1	.	21	.	.
	Agrostis schraderiana (A. agrostiflora)	E1	.	.	.	.	.	9	.	25	.
	Gentiana punctata	E1	.	.	.	.	.	.	.	8	.
	Agrostis rupestris	E1	.	.	.	.	.	.	.	4	33
	Juncus trifidus	E1	.	.	.	.	.	.	.	4	.
	Leontodon helveticus	E1	.	.	.	.	.	.	.	4	.
	Soldanella pusilla	E1	.	.	.	.	.	.	.	4	.
	Avenula vesicolor	E1	.	.	.	.	.	.	.	2	.
	Luzula alpinopilosa	E1	.	.	.	.	.	.	.	2	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Erigeron alpinus	E1	.	.	.	.	.	.	.	2	.
	Campanula alpina	E1	.	.	.	.	.	.	.	.	17
	Pulsatilla alpina subsp. *alba*	E1	.	.	.	.	.	.	.	.	17
LV	***Loiseleurio-Vaccinietea***										
	Astrantia minor	E1	.	.	.	.	.	4	.	13	.
	Vaccinium uliginosum	E1	.	.	.	.	.	.	.	13	.
	Vaccinium gaultherioides	E1	.	.	.	.	.	.	.	.	17
	Empetrum hermaphroditum	E1	.	.	.	.	.	.	.	.	17
PaT	***Poo alpinae-Trisetalia***										
	Agrostis capillaris	E1	4	6	.	.	.	.	.	8	.
	Trollius europaeus	E1	.	33	7	13	1	13	.	2	.
	Campanula scheuchzeri	E1	.	17	39	.	14	.	29	9	.
	Cardaminopsis halleri s. lat.	E1	.	11	.	29	.	.	.	2	.
	Poa alpina	E1	.	11	20	8	10	4	17	2	.
	Festuca nigrescens / *Festuca rubra* agg.	E1	.	6	9	8	6	.	33	15	.
	Cerastium fontanum	E1	.	6	.	.	.	.	.	.	.
	Astrantia major	E1	.	.	13	.	.	.	.	.	.
	Ranunculus nemorosus	E1	.	.	19	.	10	.	4	.	.
	Crocus albiflorus	E1	.	.	.	8	.	.	.	.	.
	Polygonum bistorta	E1	.	.	.	.	.	9	.	.	.
MA	***Molinio-Arrhenatheretea***										
	Deschampsia cespitosa	E1	.	28	46	63	45	35	63	28	50
	Angelica sylvestris	E1	.	17	2	17	5	9	4	.	.
	Dactylis glomerata	E1	.	11	13	.	6	4	.	.	.
	Caltha palustris	E1	.	6	9	8	6	9	17	.	.
	Prunella vulgaris	E1	.	.	25	.	.	.	.	.	.
	Veronica chamaedrys	E1	.	.	11	.	13	.	.	2	.
	Lotus corniculatus	E1	.	.	9	.	4	.	4	.	.
	Agrostis stolonifera	E1	.	.	7	.	21	.	4	2	.
	Leontodon hispidus	E1	.	.	7	.	2	.	17	.	.
	Dactylorhiza maculata	E1	.	.	6	.	3	.	4	.	.
	Ranunculus repens	E1	.	.	6	.	17	.	8	.	.
	Valeriana officinalis	E1	.	.	4	.	3	.	.	.	.
	Trifolium pratense	E1	.	.	4	.	6	.	8	.	.
	Achillea millefolium	E1	.	.	2	.	13	.	4	4	.
	Galium mollugo	E1	.	.	.	8	.	.	.	.	.
	Astrantia major	E1	.	.	.	4	.	.	.	.	.
	Agrostis gigantea (A. alba)	E1	.	.	.	.	.	4	.	.	.
	Ranunculus aconitifolius	E1	.	.	.	.	.	.	.	8	.
	Cirsium eriophorum	E1	.	.	.	.	.	.	.	2	.
SCf	***Scheuchzerio-Caricetea fuscae***										
	Parnassia palustris	E1	.	28	20	.	5	.	.	.	.
	Tofieldia calyculata	E1	.	.	4	.	1	.	.	.	.
FB	***Festuco-Brometea***										
	Briza media	E1	.	.	4	.	1	.	.	.	.
EA	***Epilobietea angustifolii***										
	Tussilago farfara	E1	.	.	7	.	12	13	17	.	.
	Chamaenerion angustifolium	E1	.	.	.	8	.	4	.	8	17
	Calamagrostis epigejos	E1	.	.	.	.	.	.	.	2	.
TR	***Thlaspietea rotundifolii***										
	Valeriana montana	E1	75	.	22	.	4	.	.	.	.
	Festuca nitida	E1	.	50	.	4	.	.	.	.	.
	Rhodiola rosea	E1	.	33	.	.	.	.	.	8	.
	Dryopteris villarii	E1	.	17	.	.	.	.	.	.	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
	Arabis alpina	E1	.	11	17	8	4	4	.	.	.
	Astrantia carniolica	E1	.	6	.	.	.	.	.	.	.
	Aquilegia einseleana	E1	.	6	.	.	.	.	.	.	.
	Gymnocarpium robertianum	E1	.	6	15	4	.	.	.	.	.
	Biscutela laevigata	E1	.	.	2	.	.	.	.	.	.
	Rumex scutatus	E1	.	.	2	.	4	4	4	4	.
	Ligusticum segueri	E1	.	.	.	4	.	.	.	.	.
	Geranium macrorrhizum	E1	.	.	.	.	.	.	.	2	.
	Cardamine resedifolia	E1	.	.	.	.	.	.	.	2	17
	Campanula cochleariifolia	E1	.	.	.	.	.	.	.	.	33
	Hieracium bifidum	E1	.	.	.	.	.	.	.	.	17
AT	***Asplenietea trichomanis***										
	Cystopteris fragilis	E1	.	33	.	4	.	9	.	2	17
	Paederota lutea	E1	.	28	.	.	.	.	.	.	17
	Cystopteris regia	E1	.	11	.	4	.	.	.	.	.
	Heliosperma pusillum	E1	.	6	.	.	.	.	.	.	.
	Valeriana saxatilis	E1	.	6	.	.	.	.	.	.	.
	Moehringia muscosa	E1	.	6	.	.	.	.	.	.	.
	Asplenium ruta-muraria	E1	.	.	.	.	.	.	.	2	.
	Hieracium schmidtii	E1	.	.	.	.	.	.	.	.	17
MC	***Montio-Cardaminetea***										
	Saxifraga stellaris s. lat.	E1	.	.	4	.	8	9	21	2	33
	Cardamine flexuosa	E1	.	.	.	4	.	.	.	.	.
	Cardamine amara	E1	.	.	.	.	29	4	13	2	17
O	**Other species (Druge vrste)**										
	Alchemilla sp.	E1	.	.	46	4	34	.	33	4	.
	Salix eleagnos	E1	.	.	2	.	.	4	.	.	.
	Mentha longifolia	E1	.	.	2	.	4	4	.	.	.
	Betula pubescens	E2	.	.	2	.	2	4	.	.	.
	Betula pendula	E2	.	.	4	.	7	.	4	.	.
	Galeopsis tetrahit	E1	.	.	2	.	3	4	.	.	.
	Petasites hybridus	E1	.	.	.	.	.	4	.	2	.
	Salix myrsinifolia	E2	.	.	.	.	.	9	.	.	.
ML	**Mosses and lichens (Mahovi in lišaji)**										
	Ctenidium molluscum	E0	.	78	19	29	1	.	4	.	.
	Rhytidiadelphus triquetrus	E0	.	61	15	8	6	.	13	.	67
	Tortella tortuosa	E0	.	44	.	13	.	.	.	.	50
	Hylocomium splendens	E0	.	33	9	.	.	.	.	.	.
	Pseudoleskeella catenulata	E0	.	28	.	.	.	.	.	.	.
	Dicranum scoparium	E0	.	28	17	.	12	4	13	.	83
	Conocephalum conicum	E0	.	28	.	.	.	9	.	.	.
	Polytrichum formosum	E0	.	22	15	25	16	4	25	.	83
	Fissidens dubius	E0	.	22	.	4	.	.	.	.	.
	Eurhynchium angustirete	E0	.	22	.	.	.	.	.	.	.
	Peltigera leucophlebia	E0	.	16,7	.	.	.	.	.	.	.
	Plagiochila porelloides	E0	.	17	.	8	.	.	.	.	.
	Marchantia polymorpha	E0	.	11	.	4	.	9	.	.	.
	Plagiochila asplenioides	E0	.	11	9	4	8	9	.	.	.
	Rhizomnium punctatum	E0	.	6	7	.	23	9	4	.	17
	Mnium sp.	E0	.	6	.	4	.	34	.	.	.
	Anomodon sp.	E0	.	6	.	.	.	.	.	.	.
	Orthothecium rufescens	E0	.	6	.	.	.	.	.	.	
	Peltigera canina	E0	.	6	.	4	.	.	.	.	.
	Hylocomium splendens	E0	.	6	9	.	8	.	21	.	33

Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9
Sphagnum subnites	E0	.	6	.	.	.	.	.	.	33
Plagiomnium rostratum	E0	.	6	.	4	.	.	.	.	.
Drepanocladus uncinatus	E0	.	.	7	.	7	.	.	.	.
Pleurozium schrberi	E0	.	.	6	.	4	4	21	.	.
Atrichum undulatum	E0	.	.	.	8	.	.	.	.	.
Isothecium alopecuroides	E0	.	.	.	8	.	.	.	.	.
Plagiothecium undulatum	E0	.	.	.	4	.	.	.	.	17
Brachythecium plumosum	E0	.	.	.	4	.	.	.	.	17
Homalothecium lutescens	E0	.	.	.	4	.	.	.	.	.
Pellia endiviifolia	E0	.	.	.	8	.	.	.	.	.
Cirriphyllum crassinervum	E0	.	.	.	8	.	.	.	.	.
Conocephalum conicum	E0	.	.	.	4	.	.	.	.	.
Hookeria lucens	E0	.	.	.	4	.	.	.	.	.
Fissidens taxifolius	E0	.	.	.	4	.	.	.	.	.
Atrichum angustatum	E0	.	.	.	4	.	.	.	.	.
Cephalozia bicuspidata	E0	.	.	.	4	.	.	.	.	.
Herzogiella seligeri	E0	.	.	.	4	.	.	.	.	.
Plagithecium nemorale	E0	.	.	.	4	.	.	.	.	.
Calypogea azurea	E0	.	.	.	4	.	.	.	.	.
Chiloscyphus polyanthos	E0	.	.	.	4	.	.	.	.	.
Riccardia palmata	E0	.	.	.	4	.	.	.	.	.
Campylium stellatum	E0	.	.	.	4	.	.	.	.	.
Polytrichum commune	E0	.	.	.	.	10	.	25	.	.
Climacium dendroides	E0	.	.	.	.	1	.	.	.	.
Polytrichum alpinum	E0	.	.	.	.	.	17	.	.	17
Brachythecium selebrosum	E0	.	.	.	.	.	17	.	.	.
Plagiothecium denticulatum	E0	.	.	.	.	.	17	.	.	.
Brachythecium reflaxum	E0	.	.	.	.	.	13	.	.	.
Brachythecium starkei	E0	.	.	.	.	.	9	.	.	.
Diplophyllum albicans	E0	.	.	.	.	.	.	.	.	50
Pogonatum unigerum	E0	.	.	.	.	.	.	.	.	50
Polytrichum juniperinum	E0	.	.	.	.	.	.	.	.	17
Dicranum polysetum	E0	.	.	.	.	.	.	.	.	33
Cetraria islandica	E0	.	.	.	.	.	.	.	.	33
Rhizocarpon geographicum	E0	.	.	.	.	.	.	.	.	17
Cephalozia lacinulata	E0	.	.	.	.	.	.	.	.	17
Calypogeia azurea	E0	.	.	.	.	.	.	.	.	17
Nardia scalaris	E0	.	.	.	.	.	.	.	.	17
Amphidium mougeotii	E0	.	.	.	.	.	.	.	.	17
Hypnum cupressiforme var. *cupressiforme*	E0	.	.	.	.	.	.	.	.	17
Calypogeia integristipula	E0	.	.	.	.	.	.	.	.	17
Tortella densa	E0	.	.	.	.	.	.	.	.	17
Racomitrium lanuginosum	E0	.	.	.	.	.	.	.	.	17
Brachytehecium rutabulum	E0	.	.	.	.	.	.	.	.	17

1 *Rhododendro hirsuti-Alnetum viridis* ass. nova hoc loco, Aichinger (1933), the Karavanke range, Austria
2 *Rhododendro hirsuti-Alnetum viridis* ass. nova, hoc loco, the Julian Alps, the Karavanke range, Slovenia, limestone, dolomite
3 *Rhododendro hirsuti-Alnetum viridis* ass. nova hoc loco = *Alnetum viridis aceretosum pseudoplatani* prov., Karner (2007), Austria
4 *Rhododendro hirsuti-Alnetum viridis, Alnetum viridi*s s. lat. Slovenia
5 *Alnetum viridis typicum*, Karner (2007), Austria
6 *Alnetum viridis,* Braun-Blanquet (1973), Switzerland
7 *Alnetum viridis rhododendretosum ferruginei* prov., Karner (2007), Austria
8 *Rhododendro ferruginei-Alnetum viridis* Boscutti, Poldini & Buccheri 2013, Alps
9 *Huperzio selagi-Alnetum viridis* ass. nova hoc loco, Kamen, the Savinja Alps, Slovenia

Table 5: Phytosociological groups in the communities with dominant *Alnus viridis* in the Alps (relative frequencies)
Tabela 5: Fitocenološke skupine v združbah s prevladujočo vrsto *Alnus viridis* v Alpah (relativne frekvence)

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9
Number of relevés (Število popisov)	4	18	54	24	107	23	24	53	6
Sign for the syntaxa (Oznaka sintaksonov)	RhAv-K	RhAv-SI	Avac-A	Avty-SI	Avty-A	Av-CH	Avrf-A	RfAv-Alps	HsAv-SI
Betulo-Alnetea viridis	4.6	4.6	4.3	4.7	**5.5**	**5.4**	4.4	**6.6**	3.7
Mulgedio-Aconitetea	**40**	**29**	**34**	**29**	**37**	**48**	**25**	**26**	6.1
Sambuco-Salicion capreae	3.4	2.1	3.8	**6.8**	4.8	3.2	2.4	**7**	**6.1**
Vaccinio-Piceetea	**17**	**23**	**18**	**22**	**22**	**19**	**33**	**37**	**39**
Erico-Pinetea	1.7	**4.4**	2.7	1	0.8	0.3	1.2	1.3	3.7
Aremonio-Fagion	**3.4**	**2.5**	0.7	**2.9**	0	0	0	0.1	0
Fagetalia sylvaticae	**26**	**11**	**12**	**16**	**7.4**	**6.9**	1.5	3.2	1.2
Quercetalia pubescentis, Querco-Fagetea	0.6	1	2	**4**	0	0.1	0	0.6	**4.9**
Elyno-Seslerietea	0	3.4	3.2	0.8	1.6	3	2	1.9	0.8
Calluno-Ulicetea	0	0.2	1.5	0.2	1.7	1.3	**5.6**	3.3	2.9
Juncetea trifidi, Loiseleurio-Vaccinietea	0	1.1	2.0	0	1.6	1.5	**7.0**	**5.8**	**4.9**
Poo alpinae-Trisetalia	0.1	1.6	2.8	1.9	1.8	1	3.4	2.2	0
Molinio-Arrhenatheretea	0	1.1	4	2.9	**6.3**	2.3	**5.4**	2.7	0
Trifolio-Geranietea, Epilobietea angustifolii	1.1	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.4
Thlaspietea rotundifolii	1.7	**4.1**	1.8	1.3	0.5	0.6	0.2	0.9	2
Asplenietea trichomanis	0	2.9	0.8	0.5	0	0.3	0	0.2	1.2
Montio-Cardaminetea, Scheuchzerio-Caricetea	0	0.5	0.7	0.1	1.9	0.5	1.4	0.2	1.2
Other species (Druge vrste)	0	0	1.6	0.4	2.2	1.1	1.5	0.3	1.6
Mosses and lichens (Mahovi in lišaji)	0	8.3	3	5.6	4.2	5.8	5.1	0	**20**
Total (Skupaj)	100	100	100	100	100	100	100	100	100

Table 6: *Alno viridis-Sorbetum aucupariae* ass. nov.
Tabela 6: *Alno viridis-Sorbetum aucupariae* ass. nov.

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10		
	Database number of relevé (Delovna številka popisa)		238347	238348	244175	244534	245438	245441	245442	245439	245444	245446		
	Elevation in m (Nadmorska višina v m)		1360	1400	1468	1290	1495	1520	1530	1510	1530	1560		
	Aspect (Lega)		NE	NE	NE	N	NE	N	N	N	N	N		
	Slope in degrees (Nagib v stopinjah)		30	30	10	20	30	30	25	25	30	30		
	Parent material (Matična podlaga)		R	ALR	AGR	GR	AL	AL	AL	AL	AL	AL		
	Soil (Tla)		Dy	Dy	Dy	Re	K	Re	Re	K	Re	K		
	Stoniness in % (Kamnitost v %)		0	0	10	20	30	35	40	25	30	20		
	Cover of tree layer in % (Zastiranje drevesne plasti v %)	E3	80	70	100	80	70	70	70	70	80	70		
	Cover of shrub layer in % (Zastiranje grmovne plasti v %):	E2	30	30	20	50	40	50	50	40	40	40		
	Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	90	90	70	70	80	90	90	80	90	90		
	Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	5	5	5	20	5	5	5	5	5	5		
	Number of species (Število vrst)		39	33	25	84	81	64	62	72	41	47		
	Relevé area (Velikost popisne ploskve)	m^2	400	200	100	200	200	200	200	200	200	200		
	Date of taking relevé (Datum popisa)		7/8/2010	7/8/2010	8/5/2012	8/24/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012		
	Locality (Nahajališče)		Stržišče - Sanek	Stržišče - Sanek	Kobla-Krevle	Snežna konta-pl. za Liscem	Matajur	Matajur	Matajur	Matajur	Matajur	Matajur		
	Quadrant (Kvadrant)		9749/4	9749/4	9749/4	9749/4	9747/3	9747/3	9747/3	9747/3	9747/3	9747/3		
	Coordinate GK Y (D-48)	m	416879	416770	420030	418577	387645	387281	387216	387476	387122	387057		
	Coordinate GK X (D-48)	m	120538	120519	121992	122583	119888	119880	119864	119892	119841	119843		
	Author of the relevé (Avtor popisa)		ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	Pr	Fr
	Diagnostic species of the association (Diagnostične vrste asociacije)												.	.
SSC	*Sorbus aucuparia*	E3	5	4	5	4	4	4	4	4	4	4	10	100
SSC	*Sorbus aucuparia*	E2b	.	.	1	.	.	1	.	1	.	.	3	30
SSC	*Sorbus aucuparia*	E2a	+	+	+	1	+	+	.	.	+	.	7	70
SSC	*Sorbus aucuparia*	E1	+	.	.	+	.	.	+	.	.	.	3	30
MuA	*Veratrum album* subsp. *lobelianum*	E1	2	2	+	1	1	1	+	1	+	1	10	100
BA	*Alnus viridis*	E2b	1	1	1	.	2	1	1	1	1	1	9	90
BA	*Alnus viridis*	E1	+	+	.	.	.	.	.	.	.	.	2	20
MuA	*Senecio cacaliaster*	E1	+	+	.	+	1	1	1	+	1	1	9	90
BA	*Salix appendiculata*	E2b	.	.	+	3	2	3	3	1	2	3	8	80
BA	*Salix appendiculata*	E2a	.	.	+	.	+	1	1	+	.	.	5	50
	Differential species of lower units (Razlikovalne vrste nižjih enot)													
VP	*Luzula sylvatica*	E1	3	2	2	.	.	.	+	.	.	.	4	40
BA	*Sorbus chamaemespilus*	E2b	1	.	.	.	.	.	.	.	.	.	1	10
BA	*Sorbus chamaemespilus*	E2a	1	+	+	.	.	.	.	.	.	.	3	30
TR	*Adenostyles glabra*	E1	.	.	.	1	2	2	2	+	2	1	7	70
AT	*Asplenium viride*	E1	.	.	.	+	+	+	+	+	+	+	7	70
AT	*Cystopteris fragilis*	E1	.	.	.	.	+	1	+	1	+	+	6	60
JT	*Soldanella alpina*	E1	.	.	.	.	1	+	+	+	.	+	5	50

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
BA	***Betulo carpaticae-Alnetea viridis***													
	Salix waldsteiniana	E2a	.	.	.	1	.	.	.	.	.	+	2	20
MuA	***Mulgedio-Aconitetea***													
	Athyrium filix-femina	E1	1	2	3	+	2	3	3	3	3	4	10	100
	Polygonatum verticillatum	E1	+	+	1	+	1	+	+	1	.	+	9	90
	Ranunculus platanifolius	E1	+	.	.	1	.	1	1	1	+	+	7	70
	Geum rivale	E1	.	.	.	1	1	1	1	2	2	2	7	70
	Saxifraga rotundifolia	E1	.	.	+	1	.	+	.	1	1	+	6	60
	Thalictrum aquilegiifolium	E1	.	.	.	1	1	1	+	2	+	+	7	70
	Aconitum lycoctonum subsp. *ranunculifolium*	E1	.	.	.	1	1	1	1	+	+	.	6	60
	Geranium sylvaticum	E1	.	.	.	.	+	+	+	1	1	+	6	60
	Rumex arifolius	E1	.	.	2	+	+	+	.	1	.	.	5	50
	Alchemilla xanthochlora	E1	.	.	.	+	+	+	+	+	.	.	5	50
	Chaerophyllum hirsutum	E1	.	.	.	+	1	+	+	1	.	.	5	50
	Viola biflora	E1	.	.	.	1	.	.	+	+	+	+	5	50
	Adenostyles alliariae	E1	.	.	+	1	.	.	.	1	.	1	4	40
	Hypericum maculatum	E1	.	.	.	+	1	+	.	+	.	.	4	40
	Pleurospermum austriacum	E1	.	.	.	.	.	+	+	.	1	+	4	40
	Heracleum sphondylium subsp. *montanum*	E1	.	.	.	+	.	.	.	+	+	.	3	30
	Phyteuma ovatum	E1	.	.	.	.	1	.	+	.	.	+	3	30
	Myrrhis odorata	E1	.	.	.	.	.	2	3	+	.	.	3	30
	Streptopus amplexifolius	E1	.	.	1	+	.	.	.	.	.	.	2	20
	Athyrium distentifolium	E1	.	.	+	+	.	.	.	.	.	.	2	20
	Stellaria nemorum s.str.	E1	.	.	2	.	+	.	.	.	.	.	2	20
	Doronicum austriacum	E1	.	.	.	+	.	.	+	.	.	.	2	20
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	.	+	.	+	.	2	20
	Allium victorialis	E1	.	+	.	.	.	.	.	.	.	.	1	10
	Milium effusum	E1	.	.	1	.	.	.	.	.	.	.	1	10
	Aconitum degenii subsp. *paniculatum*	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Agropyron caninum	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Crepis paludosa	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Poa hybrida	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Senecio ovatus	E1	.	.	.	1	.	.	.	.	.	.	1	10
	Senecio rivularis	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Silene dioica	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Chaerophyllum aureum	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Tanacetum corymbosum subsp. *clusii*	E1	.	.	.	.	.	+	.	.	.	.	1	10
SSC	***Sambuco-Salicion capreae***													
	Rubus idaeus	E2a	+	1	3	1	2	2	1	3	2	2	10	100
	Fragaria vesca	E1	.	.	.	.	+	.	+	+	.	.	3	30
	Urtica dioica	E1	.	.	.	+	.	.	.	+	.	.	2	20
	Salix caprea	E3	.	r	.	.	.	.	.	.	.	.	1	10
	Salix caprea	E2b	.	+	.	.	.	.	.	.	.	.	1	10
VP	***Vaccinio-Piceetea***													
	Calamagrostis arundinacea	E1	4	3	+	+	2	2	3	1	4	3	10	100
	Gentiana asclepiadea	E1	1	2	.	1	1	1	+	1	.	+	8	80
	Oxalis acetosella	E1	+	.	2	1	+	1	.	1	1	1	8	80
	Rosa pendulina	E2a	+	+	.	+	+	.	+	+	1	+	8	80
	Dryopteris dilatata	E1	3	2	2	1	.	.	.	+	+	+	7	70
	Solidago virgaurea	E1	.	.	+	1	+	+	+	+	+	.	7	70
	Valeriana tripteris	E1	.	.	.	1	2	+	1	1	+	.	6	60
	Maianthemum bifolium	E1	1	1	.	+	+	.	.	.	.	.	4	40
	Vaccinium myrtillus	E1	1	2	.	+	.	.	.	+	.	.	4	40
	Phegopteris connectilis	E1	1	1	.	+	.	+	.	.	.	.	4	40

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
	Polystichum lonchitis	E1	.	.	.	.	r	.	+	.	+	+	4	40
	Luzula luzuloides subsp. *luzuloides*	E1	1	2	.	+	.	.	.	.	.	.	3	30
	Picea abies	E3	1	+	.	.	.	.	.	.	.	.	2	20
	Picea abies	E2b	+	+	.	+	.	.	.	.	.	.	3	30
	Picea abies	E2a	.	+	.	+	.	.	.	.	.	.	2	20
	Picea abies	E1	.	+	.	.	.	.	.	.	.	.	1	10
	Blechnum spicant	E1	+	+	.	.	.	.	.	.	.	.	2	20
	Veronica urticifolia	E1	.	+	.	+	.	.	.	.	.	.	2	20
	Dryopteris expansa	E1	.	.	.	+	.	.	.	+	.	.	2	20
	Thelypteris limbosperma	E1	+	.	.	.	.	.	.	.	.	.	1	10
	Luzula luzuloides subsp. *rubella*	E1	.	+	.	.	.	.	.	.	.	.	1	10
	Luzula luzulina	E1	.	.	+	.	.	.	.	.	.	.	1	10
	Abies alba	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Homogyne alpina	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Lonicera caerulea	E2a	.	.	.	+	.	.	.	.	.	.	1	10
	Pyrola minor	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Saxifraga cuneifolia	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Gymnocarpium dryopteris	E1	.	.	.	1	.	.	.	.	.	.	1	10
	Homogyne sylvestris	E1	.	.	.	.	.	.	+	.	.	.	1	10
EP	***Erico-Pinetea***													
	Rubus saxatilis	E1	.	+	.	1	+	+	+	.	+	1	7	70
	Cirsium erisithales	E1	.	.	.	.	1	+	+	.	.	.	3	30
	Rhododendron hirsutum	E2a	.	.	.	+	+	.	.	.	.	.	2	20
	Carex ornithopoda	E1	.	.	.	.	+	.	.	+	.	.	2	20
	Molinia caerulea subsp. *arundinacea*	E1	.	.	.	.	+	+	.	.	.	.	2	20
	Pinus mugo	E2a	.	r	.	.	.	.	.	.	.	.	1	10
	Aquilegia nigricans	E1	.	.	.	.	.	.	1	.	.	.	1	10
AF	***Aremonio-Fagion***													
	Cardamine trifolia	E1	+	.	.	.	.	.	.	.	.	.	1	10
	Knautia drymeia	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Rhamnus fallax	E2b	.	.	.	+	.	.	.	.	.	.	1	10
	Dentaria enneaphyllos	E1	.	.	.	.	+	.	.	.	.	.	1	10
TA	***Tilio-Acerion***													
	Acer pseudoplatanus	E3	r	.	+	1	.	.	.	+	+	+	6	60
	Acer pseudoplatanus	E2	.	.	.	.	.	.	.	+	.	.	1	10
	Acer pseudoplatanus	E1	+	+	.	+	.	+	+	.	.	.	5	50
	Polystichum braunii	E1	r	.	.	.	.	.	.	.	.	.	1	10
	Hesperis candida	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Lunaria rediviva	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Adoxa moschatellina	E1	.	.	.	.	.	.	.	+	.	.	1	10
FS	***Fagetalia sylvaticae***													
	Paris quadrifolia	E1	r	+	.	1	1	1	+	1	1	+	9	90
	Dryopteris filix-mas	E1	r	.	.	+	2	2	2	2	2	2	8	80
	Galium laevigatum	E1	+	.	.	1	2	1	1	1	.	.	6	60
	Lilium martagon	E1	r	.	.	.	1	1	+	1	.	+	6	60
	Symphytum tuberosum	E1	.	.	.	.	1	+	+	+	.	.	4	40
	Polystichum aculeatum	E1	.	.	.	.	+	+	+	.	+	.	4	40
	Fagus sylvatica	E3	+	.	.	.	.	.	.	.	.	.	1	10
	Fagus sylvatica	E2b	.	+	.	.	.	.	.	.	.	.	1	10
	Fagus sylvatica	E2a	+	+	.	.	.	.	.	.	.	.	2	20
	Fagus sylvatica	E1	+	+	.	.	.	+	.	.	.	.	3	30
	Laburnum alpinum	E3	r	.	.	+	r	.	.	.	.	.	3	30
	Laburnum alpinum	E2a	.	.	.	.	+	.	.	.	.	.	1	10
	Laburnum alpinum	E1	.	.	.	+	.	.	.	.	.	.	1	10

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
	Actaea spicata	E1	.	.	.	.	+	+	+	.	.	.	3	30
	Lathyrus vernus subsp. *vernus*	E1	.	.	.	.	+	+	+	.	.	.	3	30
	Prenanthes purpurea	E1	2	1	.	.	.	.	.	.	.	.	2	20
	Scrophularia nodosa	E1	r	.	.	+	.	.	.	.	.	.	2	20
	Daphne mezereum	E2a	.	.	.	+	+	.	.	.	.	.	2	20
	Phyllitis scolopendrium	E1	.	.	.	+	.	+	.	.	.	.	2	20
	Aruncus dioicus	E1	.	.	.	.	.	+	.	1	.	.	2	20
	Epilobium montanum	E1	.	.	.	.	.	+	.	1	.	.	2	20
	Myosotis sylvatica	E1	.	.	+	.	.	.	.	.	.	.	1	10
	Mercurialis perennis	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Galeobdolon flavidum	E1	.	.	.	.	1	.	.	.	.	.	1	10
	Carex sylvatica	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Lonicera alpigena	E2a	.	.	.	.	+	.	.	.	.	.	1	10
	Ranunculus lanuginosus	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Campanula trachelium	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Lathyrus vernus subsp. *flaccidus*	E1	.	.	.	.	.	.	+	.	.	.	1	10
	Luzula nivea	E1	.	.	.	.	.	.	.	+	.	.	1	10
QF	***Querco-Fagetea***													
	Anemone nemorosa	E1	1	1	.	.	1	1	1	1	+	+	8	80
QP	*Sorbus aria*	E2b	+	+	.	.	+	.	.	.	.	.	3	30
	Scilla bifolia	E1	.	.	.	.	+	+	.	+	.	.	3	30
	Dactylorhiza fuchsii	E1	.	.	.	.	1	+	+	.	.	.	3	30
EC	*Helleborus odorus*	E1	.	.	.	.	.	.	.	r	r	.	2	20
ES	***Elyno-Seslerietea***													
	Sesleria caerulea subsp. *calcaria*	E1	.	.	.	.	+	.	+	+	.	+	4	40
	Festuca calva	E1	.	.	.	.	+	.	.	r	.	r	3	30
	Campanula witasekiana	E1	.	.	.	+	.	.	.	+	.	.	2	20
	Hieracium pilosum	E1	.	.	.	.	+	.	.	+	.	.	2	20
	Carex ferruginea	E1	.	.	.	.	.	.	.	.	+	+	2	20
	Heliosperma alpestre	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Aster bellidiastrum	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Carex sempervirens	E1	.	.	.	.	r	.	.	.	.	.	1	10
FB	*Koeleria pyramidata*	E1	.	.	.	.	r	.	.	.	.	.	1	10
	Betonica alopecuros	E1	.	.	.	.	.	+	.	.	.	.	1	10
CU	***Calluno-Ulicetea***													
	Carex pilulifera	E1	+	+	.	.	.	.	.	.	.	.	2	20
PaT	***Poo alpinae-Trisetalia***													
	Poa alpina	E1	.	.	.	+	+	.	.	+	.	.	3	30
	Trollius europaeus	E1	.	.	.	.	+	+	.	+	.	.	3	30
	Pimpinella major subsp. *rubra*	E1	.	.	.	.	+	.	+	.	.	.	2	20
MA	***Molinio-Arrhenetheretea***													
	Deschampsia cespitosa	E1	.	.	1	.	1	+	+	1	+	2	7	70
	Angelica sylvestris	E1	.	.	.	+	2	2	1	1	1	+	7	70
	Taraxacum officinale	E1	.	.	.	.	.	.	.	r	.	.	1	10
TR	***Thlaspietea rotundifolii***													
	Molopospermum peloponnesiacum subsp. *bauhinii*	E1	.	.	.	.	1	3	+	1	+	.	5	50
	Alchemilla alpigena	E1	.	.	.	.	+	.	+	+	.	+	4	40
	Rhodiola rosea	E1	.	.	.	.	.	.	+	r	+	+	4	40
	Festuca nitida	E1	.	.	.	+	+	.	.	+	.	.	3	30
	Dryopteris villarii	E1	.	.	.	+	.	.	.	r	.	.	2	20
	Arabis alpina	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Cystopteris montana	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Hieracium bifidum	E1	.	.	.	.	+	.	.	.	.	.	1	10
AT	***Asplenietea trichomanis***													
	Paederota lutea	E1	.	.	.	.	+	.	+	+	.	+	4	40

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
	Campanula carnica	E1	.	.	.	.	+	+	.	.	.	.	2	20
	Asplenium trichomanes	E1	.	.	.	.	+	+	.	.	.	.	2	20
	Sedum maximum	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Festuca stenantha	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Primula auricula	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Asplenium ruta-muraria	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Cerastium subtriflorum	E1	.	.	.	.	.	.	+	.	.	.	1	10
	Saxifraga crustata	E1	.	.	.	.	.	.	.	r	.	.	1	10
O	**Other species (Druge vrste)**													
	Alchemilla sp.	E1	.	.	.	.	.	.	.	+	.	.	1	10
ML	**Mosses and lichens (Mahovi in lišaji)**													
	Rhytidiadelphus triquetrus	E0	+	.	.	1	+	+	+	+	.	+	7	70
	Ctenidium molluscum	E0	.	.	.	1	1	+	+	1	1	+	7	70
	Polytrichum formosum	E0	1	1	.	+	.	.	.	+	.	+	5	50
	Tortella tortuosa	E0	.	.	.	.	+	+	.	.	.	+	3	30
	Isothecium alopecuroides	E0	.	.	.	+	.	.	.	.	+	.	2	20
	Schistidium apocarpum	E0	.	.	.	.	+	.	+	.	.	.	2	20
	Mnium thomsonii	E0	.	.	.	.	.	+	+	.	.	.	2	20
	Eurhynchium striatum	E0	+	.	.	.	.	.	.	.	.	.	1	10
	Pseudoleskeella catenulata	E0	.	.	1	.	.	.	.	.	.	.	1	10
	Hylocomium splendens	E0	.	.	.	+	.	.	.	.	.	.	1	10
	Rhytidiadelphus loreus	E0	.	.	.	+	.	.	.	.	.	.	1	10
	Cladonia pyxidata	E0	.	.	.	+	.	.	.	.	.	.	1	10
	Dicranum scoparium	E0	.	.	.	.	+	.	.	.	.	.	1	10
	Marchantia polymorpha	E0	.	.	.	.	.	+	.	.	.	.	1	10
	Peltigera canina	E0	.	.	.	.	.	.	.	+	.	.	1	10
	Atrichum undulatum	E0	.	.	.	.	.	.	.	.	.	+	1	10

A Limestone – apnenec
G Claystone – glinavec
R Chert – roženec
L Marl – laporovec
Re Rendzina – rendzina
Dy Dystric brown soil – distrična rjava tla
K Brown calcareous soil – rjava pokarbonatna tla
ID Igor Dakskobler

Maximum tree diametre: 15–30 cm
Maximum tree height: 6–12 m

Table 7 / Tabela 7: *Alno viridis-Aceretum pseudoplatani* nom. prov.

	Number of relevé (Zaporedna številka popisa)		1
	Database number of relevé (Delovna številka popisa)		220753
	Elevation in m (Nadmorska višina v m)		1430
	Aspect (Lega)		W
	Slope in degrees (Nagib v stopinjah)		30
	Parent material (Matična podlaga)		DA
	Soil (Tla)		Re
	Stoniness in % (Kamnitost v %)		20
	Cover of tree layer in % (Zastiranje drevesne plasti v %)	R3	60
	Cover of shrub layer in % (Zastiranje grmovne plasti v %):	E2	60
	Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	90
	Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	5
	Number of species (Število vrst)		61
	Relevé area (Velikost popisne ploskve)	m^2	400
	Date of taking relevé (Datum popisa)		9/10/2008
	Locality (Nahajališče)		Komar
	Quadrant (Kvadrant)		9648/2
	Coordinate GK Y (D-48)	m	408799
	Coordinate GK X (D-48)	m	137226
	Author of the relevé (Avtor popisa)		ID
TA	***Tilio-Acerion***		
	Acer pseudoplatanus	E3b	4
	Acer pseudoplatanus	E2b	+
	Acer pseudoplatanus	E2a	+
	Acer pseudoplatanus	E1	1
	Thalictrum aquilegiifolium	E1	+
BA	***Betulo carpaticae-Alnetea viridis***		
	Alnus viridis	E2b	3
	Salix appendiculata	E3b	+
	Salix appendiculata	E2b	1
MuA	***Mulgedio-Aconitetea***		
	Aconitum lycoctonum subsp. *ranunculifolium*	E1	1
	Polygonatum verticillatum	E1	1
	Senecio cacaliaster	E1	1
	Athyrium filix-femina	E1	+
	Chaerophyllum villarsii	E1	+
	Aconitum degenii subsp. *paniculatum*	E1	r
AF	***Aremonio-Fagion***		
	Cyclamen purpurascens	E1	1
	Anemone trifolia	E1	+
FS	***Fagetalia sylvaticae***		
	Actaea spicata	E1	1
	Daphne mezereum	E2a	1
	Galium laevigatum	E1	1
	Lonicera alpigena	E2a	1
	Melica nutans	E1	1
	Mercurialis perennis	E1	1
	Phyteuma spicatum	E1	1
	Prenanthes purpurea	E1	1
	Laburnum alpinum	E3b	+
	Laburnum alpinum	E2a	+
	Paris quadrifolia	E1	+
	Dryopteris filix-mas	E1	+
	Galeobdolon flavidum	E1	+

	Number of relevé (Zaporedna številka popisa)		1
QP	***Quercetalia pubescentis***		
	Sorbus aria	E3b	r
EP	***Erico-Pinetea***		
	Calamagrostis varia	E1	3
	Erica carnea	E1	1
	Aquilegia nigricans	E1	1
	Pinus mugo	E2b	1
	Rubus saxatilis	E1	1
	Buphthalmum salicifolium	E1	r
	Carex ornithopoda	E1	+
	Peucedanum austriacum subsp. *rablense*	E1	+
VP	***Vaccinio-Piceetea***		
	Lycopodium annotinum	E1	1
	Polystichum lonchitis	E1	1
	Rosa pendulina	E2a	1
	Aposeris foetida	E1	1
	Clematis alpina	E2a	+
	Larix decidua	E2b	+
	Larix decidua	E2a	r
	Lonicera nigra	E2a	+
	Picea abies	E3b	+
	Picea abies	E2b	+
	Picea abies	E2a	r
	Vaccinium myrtillus	E1	+
	Valeriana tripteris	E1	+
	Dryopteris dilatata	E1	+
	Gymnocarpium dryopteris	E1	+
	Huperzia selago	E1	+
	Abies alba	E2b	r
SSC	***Sambuco-Salicion capreae***		
	Sorbus aucuparia	E2b	+
	Sorbus aucuparia	E1	+
ES	***Elyno-Seslerietea***		
	Betonica alopecuros	E1	+
	Scabiosa lucida subsp. *stricta*	E1	+
	Arabis ciliata	E1	+
FB	***Festuco-Brometea***		
	Gentianella ciliata	E1	r
AT	***Asplenietea trichomanis***		
	Moehringia muscosa	E1	+
	Asplenium viride	E1	+
TR	***Thlaspietea rotundifolii***		
	Gymnocarpium robertianum	E1	+
	Valeriana montana	E1	+
ML	**Mosses (Mahovi)**		
	Ctenidium molluscum	E0	1
	Polytrichum formosum	E0	+
	Rhytidiadelphus triquetrus	E0	+
	Tortella tortuosa	E0	+
	Rhodobryum roseum ?	E0	+

A Limestone – apneenc
D Dolomite – dolomit
Re Rendzina – rendzina
ID Igor Dakskobler

Table 8: Subalpine beech forest (*Polysticho lonchitis-Fagetum*) with *Alnus viridis* – the Julian Alps
Tabela 8: Subalpinsko bukovje (*Polysticho lonchitis-Fagetum*) z zeleno jelšo – Julijske Alpe

Number of relevé (Zaporedna številka popisa)			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Database number of relevé (Delovna številka popisa)			212049	230807	238878	238879	230705	238836	222889	222890	222904	223143	223144	223062	238825	238787	238816	222867	222877	221007	221304	221305	222717	222903	222824	237196	214391	242154	242153
Elevation in m (Nadmorska višina v m)			1450	1450	1460	1490	1420	1490	1500	1520	1510	1400	1400	1500	1520	1490	1525	1610	1580	1520	1360	1390	1520	1520	1550	1470	1510	1510	1490
Aspect (Lega)			E	NW	NE	N	N	NW	N	N	N	NE	NE	W	NE	NE	NW	NE	NE	NE	NNE	NW	NE	NE	NE	NW	SW	E	E
Slope in degrees (Nagib v stopinjah)			30	35	30	20	10	25	25	35	40	40	35	25	30	30	35	35	40	20	30	45	35	35	40	35	15	25	30
Parent material (Matična podlaga)			A	A	DA	A	A	A	A	A	A	A	A	A	A	A,L	A	A	A	A	A	A	A	A	A	A	A	AL	AL
Soil (Tla)			Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re
Stoniness in % (Kamnitost v %)			40	30	30	20	60	40	10	30	30	50	20	30	40	20	20	20	30	40	30	30	30	30	20	30	10	5	0
Cover in % (Zastiranje v %):																													
Upper tree layer (Zgornja drevesna plast)	E3b		70	80	70	80	80	60	70	90	80	80	80	70	80	90	80	50	70	80	70	70	80	90	70	70	60	90	90
Lower tree layer (Spodnja drevesna plasti)	E3a		10	10	10	5	.	.	.	.	.	.	10	.	10	.	10	.	.	10	10	20	10	.	.	20	.	5	5
Shrub layer (Grmovna plast)	E2		40	20	20	10	30	50	20	15	20	10	10	30	20	10	20	60	30	5	20	10	10	10	40	10	20	5	5
Herb layer (Zeliščna plast)	E1		60	70	80	70	50	60	80	70	60	60	70	30	70	60	60	40	70	60	70	60	50	60	60	60	80	80	70
Moss layer (Mahovna plast)	E0		20	20	20	10	10	10	10	20	10	30	15	10	10	10	10	10	10	20	10	10	20	5	20	5	10	5	5
Number of species (Število vrst)			81	80	70	62	68	98	80	83	68	86	68	73	82	62	69	71	70	54	82	88	90	80	76	62	71	65	40
Relevé area (Velikost popisne ploskve)		m^2	400	400	400	400	400	400	400	400	400	200	200	200	400	100	400	200	400	400	400	400	400	400	400	200	200	400	400
Date of taking relevé (Datum popisa)			8/9/2006	7/12/2009	8/10/2004	8/10/2004	6/15/2009	8/13/2001	10/11/1996	10/11/1996	10/2/2002	8/27/1994	8/27/1994	8/25/1997	8/13/2001	8/24/2004	9/12/2001	7/21/1995	6/13/2001	7/16/2008	7/5/2002	7/5/2002	9/6/1999	10/2/2002	7/30/1997	10/7/2010	8/19/2004	5/27/2011	5/27/2011
Locality (Nahajališče)			Lisec	Pl. Za Liscem	Suha - Okroglica	Suha - Kopica	Kamnica - Mt. Musi	Pl. Za Liscem	Vrh nad Ohojami	Vrh nad Ohojami	Lanež	Kuntar	Kuntar	Žabiški Kuk - pl. Razor	Črna gora	Kobla	Kravja Črna gora	Veliki Muzec	Mali Muzec	Golobar - Hudi vrh	Debeljak - Mesnovka	Debeljak - Mesnovka	Javoršček	Lanež	Rezija - Banera	Bukovec - Vovenk	Izgora	Pohoški kup	Pohoški kup
Quadrant (Kvadrant)			9749/4	9749/3	9749/3	9749/3	9645/4	9749/4	9746/1	9746/1	9645/3	9748/1	9748/1	9748/4	9749/4	9749/4	9749/4	9746/1	9746/2	9647/4	9748/1	9748/1	9647/4	9645/4	9646/3	9647/2	9647/2	9849/2	9849/2
Coordinate GK Y (D-48)		m	417885	418522	412797	413581	370636	418308	376698	376785	365191	400512	400561	402434	402241	377943	378546	394335	398701	398704	392647	365953	377838	396953	237196	393025	214391	421807	421848
Coordinate GK X (D-48)		m	122010	122665	122753	122780	133266	121856	128782	128777	130522	124733	124668	121674	122391	128426	128282	130759	128708	128652	130994	130860	132410	137159	137710	116320	116445		

	Diagnostic species of the association (Diagnostične vrste asociacije)																												Pr.	Fr.
BA	*Alnus viridis*	E2b	r	r	r	+	1	+	+	r	+	+	+	+	1	+	r	+	+	r	+	+	+	r	+	+	+	r	+	27	100
VP	*Polystichum lonchitis*	E1	1	+	+	+	1	1	+	+	+	1	r	+	1	.	+	1	1	1	1	1	+	.	+	+	+	.	.	23	85
VP	*Clematis alpina*	E2a	2	+	+	+	+	1	+	+	1	1	+	+	.	.	.	1	1	+	+	1	.	+	+	+	+	.	.	21	78
BcA	*Sorbus chamaemespilus*	E2a	+	+	+	+	+	1	+	.	+	.	.	+	+	.	r	+	+	+	+	.	.	.	1	.	+	.	.	17	63
BcA	*Sorbus chamaemespilus*	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
EP	*Rhododendron hirsutum*	E2a	2	+	1	+	1	1	1	+	+	+	.	+	+	.	.	2	3	.	.	.	.	.	1	.	.	.	.	15	56
MuA	*Aconitum lycoctonum* subsp. *ranunculifolium*	E1	.	.	.	.	+	.	+	+	1	.	.	+	+	1	+	+	+	+	+	.	+	+	.	.	.	.	.	14	52
BA	*Salix appendiculata*	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
BA	*Salix appendiculata*	E2b	r	.	.	.	+	+	+	+	+	.	.	.	.	+	.	+	+	.	.	.	r	+	+	+	+	.	.	14	52
BA	*Salix appendiculata*	E2a	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	+	.	.	4	15
ES	*Aster bellidiastrum*	E1	+	+	+	+	+	+	.	+	+	+	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12	44
MuA	*Senecio cacaliaster*	E1	.	.	.	.	.	+	.	.	.	.	.	.	r	+	+	.	.	+	+	.	+	+	.	.	+	+	.	10	37
VP	*Lonicera caerulea*	E2a	1	.	.	+	+	+	+	+	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	8	30
ES	*Astrantia bavarica*	E1	.	.	.	.	.	+	.	+	.	+	.	+	r	.	.	.	.	+	+	+	.	.	.	.	.	.	.	8	30
EP	*Pinus mugo*	E2	.	.	+	.	.	+	.	+	.	.	.	1	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	6	22
ES	*Laserpitium peucedanoides*	E1	+	.	+	.	.	1	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	5	19
ES	*Festuca calva*	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	r	.	+	.	+	+	.	.	.	.	.	.	.	5	19
AF	***Aremonio-Fagion***																													
	Cardamine trifolia	E1	1	1	+	1	.	+	1	1	+	.	.	1	+	+	1	1	+	1	.	.	.	2	.	.	.	+	1	18	67
	Dentaria enneaphyllos	E1	.	1	1	1	1	.	+	1	1	+	.	+	.	.	.	+	1	1	1	1	2	1	.	.	.	+	.	17	63
	Anemone trifolia	E1	.	.	.	.	1	.	1	1	1	1	1	.	.	.	.	1	1	+	1	1	1	1	1	.	1	.	.	15	56
	Cyclamen purpurascens	E1	.	.	.	.	.	1	.	.	.	.	+	+	.	+	.	1	1	.	.	.	.	.	.	.	.	.	.	.	6	22
	Knautia drymeia	E1	.	.	.	.	.	+	+	+	.	.	.	.	r	.	.	.	.	.	.	.	.	.	+	.	.	.	.	5	19
	Rhamnus fallax	E2	.	+	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
EC	*Primula vulgaris*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	.	2	7
EC	*Helleborus odorus*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	2	7
	Helleborus niger	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Lamium orvala	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	4
TA	***Tilio-Acerion***																													
	Acer pseudoplatanus	E3b	+	.	+	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	+	.	+	.	.	.	+	+	8	30
	Acer pseudoplatanus	E3a	.	r	+	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	15
	Acer pseudoplatanus	E2b	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	4	15
	Acer pseudoplatanus	E2a	+	+	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	+	.	.	.	.	.	6	22
	Acer pseudoplatanus	E1	+	1	+	.	.	.	+	+	.	+	+	.	.	.	+	.	.	.	.	.	+	+	.	.	+	+	+	13	48
	Polystichum aculeatum	E1	.	.	.	.	.	.	.	.	+	.	+	+	.	.	r	.	.	.	.	+	+	1	+	1	.	+	+	11	41
	Aruncus dioicus	E1	+	+	+	.	+	.	.	+	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	22
	Adoxa moschatellina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	+	+	4	15
	Chrysosplenium alternifolium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	+	3	11
	Polystichum x illyricum	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
	Corydalis solida	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	4
	Stellaria montana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	4
	Polystichum braunii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
	Polystichum x luerssenii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
	Leucojum vernum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
FS	***Fagetalia sylvaticae***																														
	Fagus sylvatica	E3b	4	5	4	5	4	4	5	5	5	5	5	4	5	5	5	3	4	5	4	4	4	5	4	4	4	5	5	27	100
	Fagus sylvatica	E3a	1	1	1	1	.	.	.	.	.	1	1	.	+	.	1	.	.	+	1	1	1	.	.	+	.	.	.	13	48
	Fagus sylvatica	E2b	1	1	1	1	.	2	+	+	1	+	+	.	.	.	1	2	+	+	1	1	+	1	1	+	1	+	+	23	85
	Fagus sylvatica	E2a	.	.	.	.	.	.	.	.	.	+	+	.	.	.	+	.	+	.	.	.	.	.	+	+	1	.	.	7	26
	Fagus sylvatica	E1	.	.	1	+	+	.	.	+	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	+	.	+	+	9	33
	Dryopteris filix-mas	E1	+	+	.	.	+	+	+	1	1	+	+	.	+	1	1	1	+	+	+	.	+	1	1	1	+	1	+	23	85
	Lonicera alpigena	E2	2	+	.	+	+	+	+	1	1	+	+	1	+	+	1	1	1	.	.	+	r	+	+	+	.	+	.	22	78
	Lonicera alpigena	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	2	7
	Galium laevigatum	E1	1	1	+	.	.	+	+	+	.	.	+	+	.	+	1	+	.	.	+	1	+	.	+	+	1	.	.	17	63
	Lilium martagon	E1	+	+	+	.	.	+	+	+	.	.	+	+	r	+	.	.	+	+	.	+	+	.	.	.	+	+	+	17	63
	Daphne mezereum	E2a	+	.	1	1	.	+	r	+	.	+	+	.	+	+	+	+	.	.	+	.	+	.	.	+	+	.	.	16	59
	Galeobdolon flavidum	E1	+	+	.	.	+	+	.	.	.	.	+	+	1	1	1	1	.	.	.	.	+	.	+	+	.	+	+	15	56
	Luzula nivea	E1	.	.	.	.	1	.	+	1	+	.	.	.	.	.	.	1	+	+	1	1	1	+	1	1	2	.	.	14	52
	Paris quadrifolia	E1	.	+	.	.	.	+	.	+	.	r	+	+	.	.	.	+	.	+	+	+	+	.	+	.	.	1	+	14	52
	Actaea spicata	E1	.	+	.	.	.	.	.	.	.	+	+	+	+	+	+	.	.	.	+	+	.	1	+	1	.	1	.	13	48
	Mercurialis perennis	E1	+	.	.	.	.	.	.	+	.	.	+	.	1	1	.	+	.	.	+	+	+	+	1	1	+	.	.	13	48
	Epilobium montanum	E1	.	+	.	.	.	.	.	.	.	+	+	.	+	.	1	.	+	.	+	+	+	+	+	1	.	.	.	12	44
	Prenanthes purpurea	E1	1	1	1	1	+	+	.	.	.	.	+	+	.	.	.	.	.	+	1	+	.	.	.	.	1	.	.	12	44
	Melica nutans	E1	+	+	+	+	.	+	.	.	+	.	.	+	+	.	.	+	+	.	.	+	.	.	.	.	.	.	.	11	41
	Poa nemoralis	E1	.	+	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	+	+	+	+	+	+	+	.	.	10	37
	Lathyrus vernus subsp. *vernus*	E1	.	.	.	.	.	.	+	.	.	+	+	.	.	.	+	.	+	.	.	.	+	+	+	.	.	.	.	8	30
	Symphytum tuberosum	E1	.	.	.	.	.	.	.	+	+	.	.	+	.	.	.	+	+	.	.	.	.	+	.	.	.	+	+	8	30
	Corydalis cava	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	1	.	.	.	1	.	4	15
	Mycelis muralis	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	+	.	.	.	4	15
	Myosotis sylvatica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	+	.	.	.	+	.	4	15
	Ranunculus lanuginosus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	+	3	11
	Scrophularia nodosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	+	.	.	3	11
	Dentaria bulbifera	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	2	7
	Laburnum alpinum	E3a	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	2	7
	Laburnum alpinum	E2a	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Laburnum alpinum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	2	7
	Campanula trachelium	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Festuca altissima	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4

	Asarum europaeum subsp. *caucasicum*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	1	4
	Lathyrus vernus subsp. *flaccidus*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
	Viola reichenbachiana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Prunus avium	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
QP	***Quercetalia pubescentis***																														
	Convallaria majalis	E1	+	.	+	.	.	+	+	+	.	+	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	8	30
	Sorbus aria	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4
	Sorbus aria	E2b	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	+	.	+	.	+	.	.	.	5	19
	Melittis melissophyllum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
QF	***Querco-Fagetea***																														
	Anemone nemorosa	E1	+	+	+	1	.	+	.	.	.	+	1	+	1	+	.	.	.	.	.	.	1	.	.	.	.	2	3	13	48
	Hepatica nobilis	E1	1	.	.	.	.	.	+	1	.	+	.	.	.	1	.	+	+	.	.	.	.	.	1	+	+	.	.	10	37
	Carex digitata	E1	+	.	+	.	.	.	.	+	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	6	22
	Dactylorhiza fuchsii	E1	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Stellaria holostea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	2	7
	Ranunculus auricomus agg.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Moehringia trinervia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	4
	Lonicera xylosteum	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
VP	***Vaccinio-Piceetea***																														
	Luzula sylvatica	E1	.	+	+	+	.	.	1	1	1	+	+	+	1	+	+	1	1	1	1	1	1	+	+	+	1	+	1	25	93
	Gentiana asclepiadea	E1	1	+	+	+	+	+	+	.	+	+	+	+	1	+	+	+	.	+	1	+	+	+	+	.	+	+	+	24	89
	Rosa pendulina	E2a	1	1	+	1	1	1	1	1	1	+	+	+	+	1	.	+	+	+	+	+	.	+	+	+	+	.	.	23	85
	Calamagrostis arundinacea	E1	2	2	3	3	+	1	2	2	2	3	3	1	2	1	.	2	1	.	+	.	+	2	.	.	.	+	.	20	74
	Oxalis acetosella	E1	.	.	+	1	+	.	1	+	1	1	1	1	.	1	+	1	+	.	1	1	1	+	+	+	.	.	1	20	74
	Saxifraga cuneifolia	E1	.	+	+	+	1	+	+	.	1	+	+	+	+	+	1	+	+	.	+	+	+	.	+	1	.	.	.	20	74
	Valeriana tripteris	E1	1	+	1	.	1	1	1	1	1	+	+	1	1	1	1	1	.	+	.	+	+	.	1	1	.	.	.	20	74
	Dryopteris dilatata	E1	.	+	.	.	+	r	.	1	+	+	+	1	+	+	+	+	+	+	+	.	+	+	.	1	.	+	+	20	74
	Aposeris foetida	E1	+	1	1	1	1	+	.	+	+	.	+	1	1	+	+	.	1	+	.	+	.	.	.	.	+	+	+	19	70
	Vaccinium myrtillus	E1	3	1	2	3	3	2	1	.	.	+	1	1	+	1	+	3	1	+	+	.	.	.	+	.	3	.	.	19	70
	Solidago virgaurea	E1	+	+	.	1	+	1	+	+	1	+	+	+	+	1	1	.	.	+	+	+	+	.	.	.	.	.	.	18	67
	Veronica urticifolia	E1	1	1	1	1	+	1	.	+	.	+	+	+	.	1	1	.	.	.	1	1	+	.	+	1	+	.	.	18	67
	Huperzia selago	E1	+	+	+	+	+	.	+	+	+	+	.	+	+	.	.	.	+	+	+	+	.	+	+	.	.	.	.	17	63
	Phegopteris connectilis	E1	+	+	+	1	1	.	1	1	.	.	+	+	+	+	.	1	+	+	+	.	+	+	.	.	.	.	.	17	63
	Gymnocarpium dryopteris	E1	.	+	1	1	+	+	.	+	.	+	+	.	.	.	.	.	.	+	1	+	+	+	+	+	.	+	.	16	59
	Maianthemum bifolium	E1	+	+	+	.	+	1	+	+	.	1	.	.	+	.	+	.	+	+	+	+	+	.	.	.	.	.	.	15	56
	Homogyne sylvestris	E1	.	+	+	+	+	+	+	1	1	+	.	+	+	1	.	.	.	.	.	.	.	.	+	.	.	.	.	13	48
	Calamagrostis villosa	E1	.	.	+	1	1	.	1	.	.	.	.	.	.	.	.	1	.	+	2	.	+	.	+	+	1	.	.	11	41
	Lonicera nigra	E2a	1	1	.	+	1	.	+	.	r	.	.	.	.	+	.	1	+	.	+	.	.	.	+	.	.	.	.	11	41
	Hieracium murorum	E1	+	+	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	+	+	+	.	.	.	.	+	.	.	9	33
	Picea abies	E3b	.	+	.	.	+	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	+	.	.	r	+	r	.	8	30

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
	Picea abies	E3a	.	.	.	.	.	.	.	.	.	r	.	.	+	.	r	.	.	+	.	+	.	.	.	.	.	.	.	5	19
	Picea abies	E2b	+	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	+	+	+	.	.	.	+	.	.	7	26
	Picea abies	E2a	.	.	.	+	.	.	.	.	.	.	.	r	+	.	+	.	.	.	+	+	.	.	.	.	.	.	.	6	22
	Picea abies	E1	+	.	+	+	.	+	.	.	.	.	.	.	+	.	+	.	+	.	.	+	.	.	.	.	.	.	.	8	30
	Luzula luzuloides	E1	.	+	.	.	.	.	.	.	.	1	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	1	6	22
	Homogyne alpina	E1	.	.	.	+	.	.	2	+	.	r	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	5	19
	Larix decidua	E3b	.	.	1	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	+	.	.	5	19
	Larix decidua	E3a	.	.	.	+	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Larix decidua	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
	Larix decidua	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	4
	Vaccinium vitis-idaea	E1	+	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	5	19
	Abies alba	E3b	.	.	r	r	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	Abies alba	E3a	r	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Abies alba	E2b	.	r	.	+	.	+	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	4	15
	Abies alba	E2a	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Abies alba	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Lycopodium annotinum	E1	.	.	+	+	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	15
	Melampyrum sylvaticum	E1	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	3	11
	Luzula luzulina	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	2	7
	Dryopteris expansa	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	2	7
	Goodyera repens	E1	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Thelypteris limbosperma	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4
EP	***Erico-Pinetea***																														
	Rubus saxatilis	E1	1	+	1	1	+	1	1	+	+	.	+	1	.	+	+	+	1	+	1	1	+	.	+	.	1	.	.	21	78
	Cirsium erisithales	E1	+	+	+	+	.	+	+	.	+	.	.	+	+	+	.	+	+	.	.	+	.	+	+	+	+	.	.	17	63
	Rhodothamnus chamaecistus	E1	+	.	+	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	5	19
	Erica carnea	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	+	.	+	.	.	5	19
	Calamagrostis varia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	+	.	1	.	2	.	.	5	19
	Aquilegia nigricans	E1	+	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	Carex ornithopoda	E1	.	.	+	.	.	+	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	Peucedanum austriacum subsp. *rablense*	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	+	.	.	3	11
	Juniperus sibirica	E2a	r	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Buphthalmum salicifolium	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	7
	Chamaecytisus hirsutus subsp. *ciliatus*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Genista radiata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
BC	***Betulo carpaticae-Alnetea viridis***																														
	Ribes alpinum	E2a	.	.	.	.	.	.	.	.	.	.	.	+	r	+	+	.	.	.	.	.	.	.	.	.	.	.	.	4	15
	Salix waldsteiniana	E2a	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	+	.	.	.	3	11
	Salix glabra	E2a	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	2	7

SSC	***Sambuco-Salicion capreae***																														
	Rubus idaeus	E2a	+	+	.	.	.	.	+	+	+	.	.	.	.	+	2	1	1	.	+	.	1	+	+	.	+	+	+	16	60
	Sorbus aucuparia	E3b	.	.	+	.	.	.	+	+	+	.	.	.	.	+	.	.	.	+	.	.	.	+	.	.	1	.	.	8	30
	Sorbus aucuparia	E3a	.	.	.	+	1	.	.	.	.	.	.	.	+	.	+	.	.	.	.	r	+	.	+	+	.	.	.	8	30
	Sorbus aucuparia	E2b	.	+	.	.	.	.	.	+	+	+	.	+	.	.	.	+	.	+	.	.	.	.	1	+	.	.	.	9	33
	Sorbus aucuparia	E2a	.	.	.	+	+	+	+	+	.	.	+	+	.	.	+	+	+	+	.	+	.	.	+	.	.	.	.	13	48
	Sorbus aucuparia	E1	+	.	+	.	.	.	.	.	.	+	.	.	.	+	+	.	.	.	+	.	+	.	.	+	+	.	.	9	33
	Urtica dioica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	+	+	1	r	+	+	8	30
	Fragaria vesca	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	r	.	.	+	.	+	.	.	5	19
	Sambucus racemosa	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	1	4
	Salix caprea	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	1	4
	Galeopsis speciosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
QR	*Betula pendula*	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
MuA	***Mulgedio-Aconitetea***																														
	Polygonatum verticillatum	E1	+	2	1	1	1	1	1	1	+	1	1	+	1	1	1	+	+	1	+	+	+	+	+	.	+	1	1	26	96
	Athyrium filix-femina	E1	+	1	+	+	+	+	+	.	+	1	1	.	+	+	1	+	.	1	1	+	1	1	1	1	.	1	2	23	85
	Veratrum album	E1	+	1	1	1	+	+	+	1	.	+	+	+	+	+	1	.	1	+	.	.	1	.	.	.	.	2	2	19	70
	Viola biflora	E1	+	+	.	+	+	+	+	+	+	+	.	+	+	.	.	.	1	.	+	+	+	+	+	+	.	.	.	18	67
	Ranunculus platanifolius	E1	+	+	.	.	+	+	+	+	+	.	.	+	.	1	+	+	.	.	+	+	+	+	+	+	.	.	.	17	63
	Saxifraga rotundifolia	E1	.	+	.	.	.	.	.	+	+	.	+	.	+	+	1	+	1	.	1	1	1	1	+	1	.	+	.	16	59
	Phyteuma ovatum	E1	+	1	+	.	+	.	.	+	+	.	+	.	.	+	+	.	.	+	+	+	+	.	1	.	.	.	+	15	56
	Geranium sylvaticum	E1	+	.	+	+	+	+	+	.	+	.	+	+	+	.	+	.	.	.	.	.	+	+	.	.	+	.	.	14	52
	Senecio ovatus	E1	+	+	.	.	.	.	.	.	+	+	+	.	+	.	.	.	.	.	+	+	+	1	.	1	.	+	+	13	48
	Thalictrum aquilegiifolium	E1	+	.	.	+	.	r	+	.	.	.	+	.	.	+	+	.	.	+	.	.	+	+	+	+	.	+	.	13	48
	Chaerophyllum hirsutum	E1	.	.	.	.	.	.	.	1	.	.	.	1	+	.	+	.	.	+	.	.	+	r	+	+	.	+	.	10	37
	Hypericum maculatum	E1	.	.	.	.	.	+	.	.	.	r	.	.	+	.	+	.	.	.	.	+	+	.	+	+	+	+	.	10	37
	Chaerophyllum villarsii	E1	.	.	+	+	.	+	+	.	.	+	.	.	.	+	+	.	.	.	+	+	.	.	.	.	.	.	.	9	33
	Adenostyles alliariae	E1	.	.	.	+	.	.	.	.	.	.	.	1	.	.	.	.	.	.	r	.	+	.	+	.	.	+	+	7	26
	Doronicum austriacum	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.	+	.	+	.	.	.	.	+	+	7	26
	Geum rivale	E1	.	.	.	.	.	.	r	.	+	.	.	+	+	+	.	.	.	.	.	.	+	.	+	.	.	.	.	7	26
	Crepis paludosa	E1	.	.	.	.	.	+	.	.	.	+	.	+	+	.	+	.	.	.	+	.	.	.	.	.	.	.	.	6	22
	Heracleum montanum	E1	+	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	6	22
	Stellaria nemorum s.str.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	1	.	.	.	2	1	5	19
	Myrrhis odorata	E1	.	+	.	.	.	.	.	+	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	4	15
	Rumex arifolius	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	+	+	.	+	.	4	15
	Pleurospermum austriacum	E1	+	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	Aconitum degenii subsp. *paniculatum*	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	+	.	.	.	3	11
	Cicerbita alpina	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	3	11
	Milium effusum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	+	3	11
	Poa hybrida	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	+	.	.	.	.	3	11

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
	Aconitum angustifolium	E1	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	7
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Peucedanum ostruthium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	.	.	2	7
	Tanacetum corymbosum subsp. *clusii*	E1	.	.	.	.	.	.	.	.	r	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Silene vulgaris subsp. *antelopum*	E1	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Primula elatior	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Carduus personata	E1	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Streptopus amplexifolius	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Poa chaixii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	4
	Anthriscus nitida	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Chaerophyllum aureum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
TG	***Trifolio-Geranietea***																														
	Grafia golaka	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	r	.	.	.	.	.	3	11
	Iris graminea	E1	.	.	.	.	.	.	+	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Achillea distans	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	4
	Clinopodium vulgare	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Origanum vulgare	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
ES	***Elyno-Seslerietea***																														
	Betonica alopecuros	E1	+	.	.	.	.	1	+	.	.	.	+	.	+	.	r	.	.	.	.	+	.	.	.	.	+	.	.	8	30
	Sesleria caerulea subsp. *calcaria*	E1	.	.	+	.	.	.	+	+	+	+	+	.	.	.	.	.	2	.	.	+	.	.	.	.	.	.	.	8	30
	Carex ferruginea	E1	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	3	11
	Heliosperma alpestre	E1	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	3	11
	Campanula witasekiana	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	.	.	3	11
	Pimpinella alpina	E1	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	3	11
	Pulsatilla alpina subsp. *austroalpina*	E1	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Cerastium strictum	E1	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	7
	Hieracium villosum	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	7
	Phyteuma orbiculare	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	7
SCF	*Parnassia palustris*	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	7
	Hieracium pilosum	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Leucanthemum adustum	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Soldanella alpina	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
SCF	*Pinguicula alpina*	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Carex sempervirens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
	Ranunculus carinthiacus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
	Juncus monanthos	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	1	4
	Scabiosa lucida subsp. *stricta*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	1	4
	Carduus crassifolius	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Carex mucronata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4

	Knautia longifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Ranunculus montanus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
FB	*Carlina acaulis*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
PaT	***Poo alpinae-Trisetalia***																														
	Campanula scheuchzeri	E1	.	.	.	+	+	+	+	+	+	+	+	+	+	.	+	+	+	.	+	+	+	+	+	.	1	.	.	19	70
	Poa alpina	E1	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	4	15
	Trollius europaeus	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	3	11
	Ranunculus nemorosus	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	7
CU	*Phyteuma zahlbruckneri*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	4
	Cardaminopsis ovirensis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
	Crocus albiflorus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4
MA	***Molinio-Arrhenatheretea***																														
	Angelica sylvestris	E1	+	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	1	.	5	19
	Deschampsia cespitosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	+	.	.	+	1	5	19
	Dactylis glomerata	E1	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	+	.	.	.	.	.	.	.	.	+	+	.	4	15
	Trifolium pratense	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4
TR	***Thlaspietea rotundifolii***																														
	Adenostyles glabra	E1	1	1	+	+	+	+	.	+	2	1	+	+	1	+	1	.	+	1	1	+	+	2	1	1	+	.	.	23	85
	Dryopteris villarii	E1	r	.	.	.	+	.	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	19
	Campanula cochleariifolia	E1	.	.	+	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	Molospermum peloponnesiacum subsp. *bauhinii*	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	r	.	.	.	.	.	.	.	.	.	.	3	11
	Astrantia carniolica	E1	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Geranium macrorrhizum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	2	7
	Gymnocarpium robertianum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	2	7
	Rhodiola rosea	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Alchemilla alpigena	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4
	Arabis alpina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
AT	***Asplenietea trichomanis***																														
	Asplenium viride	E1	+	+	+	+	+	+	+	+	1	1	1	+	+	+	+	.	+	+	+	+	+	+	+	+	.	+	.	24	89
	Cystopteris fragilis	E1	.	+	+	.	.	.	.	1	1	1	+	+	.	.	+	+	1	+	+	+	1	1	+	+	+	+	+	20	74
	Paederota lutea	E1	+	.	+	+	.	.	+	+	.	+	.	.	+	.	.	.	.	+	+	+	+	.	.	+	.	.	.	12	44
	Asplenium trichomanes	E1	.	+	.	.	.	+	.	.	.	+	.	.	+	.	.	.	+	.	.	+	+	+	.	+	.	.	.	9	33
	Polypodium vulgare	E1	.	.	.	.	+	+	.	.	.	+	+	.	.	.	.	.	.	.	+	+	+	+	.	.	+	.	.	9	33
	Cerastium subtriflorum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	+	+	+	.	.	.	5	19
	Valeriana saxatilis	E1	.	.	.	.	.	.	+	+	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	15
	Asplenium ruta-muraria	E1	+	.	.	.	.	+	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	4	15
	Cystopteris regia	E1	.	+	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	4	15
	Campanula carnica	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	3	11
	Heliosperma pusillum	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	3	11

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
	Saxifraga crustata	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	3	11
	Saxifraga hostii	E1	r	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Primula auricula	E1	.	.	.	.	.	.	r	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Festuca stenantha	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	2	7
	Moehringia muscosa	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
O	**Other species (Druge vrste)**																														
	Festuca sp.	E1	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	2	7
	Orobanche sp.	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Carex sp.	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Hieracium sp.	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	Knautia sp.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	4
ML	**Mosses and lichens (Mahovi in lišaji)**																														
	Ctenidium molluscum	E0	2	1	+	1	1	1	1	1	1	1	1	+	1	1	1	+	+	2	1	1	+	1	+	+	1	+	.	26	96
	Tortella tortuosa	E0	1	1	1	1	1	+	1	+	1	1	1	1	+	+	+	+	+	.	+	+	+	+	+	+	+	+	.	25	93
	Fissidens dubius	E0	+	1	+	+	1	.	+	+	+	+	1	1	+	+	1	+	.	+	+	+	.	+	+	+	.	+	.	22	81
	Paraleucobryum sauteri	E0	1	+	+	+	+	+	1	+	+	1	.	.	+	.	1	+	+	.	+	.	.	.	.	.	+	.	+	17	63
	Polytrichum formosum	E0	.	+	+	+	1	+	+	+	+	1	1	+	+	.	.	.	.	+	1	+	.	+	.	.	.	.	+	17	63
	Peltigera canina	E0	.	+	.	+	+	.	.	+	.	+	+	+	.	.	.	+	.	+	+	+	+	+	+	.	+	.	.	15	56
	Mnium thomsonii	E0	.	.	.	.	+	+	.	+	1	+	+	.	.	.	+	+	.	+	+	1	.	+	+	+	.	.	.	14	52
	Plagiochila porelloides	E0	.	.	.	+	.	+	.	+	+	+	+	+	+	+	.	.	.	.	.	.	+	1	.	.	.	+	.	12	44
	Isothecium alopecuroides	E0	2	1	1	.	.	+	.	.	.	.	.	.	+	+	+	.	.	+	+	.	.	+	.	.	.	.	+	11	41
	Dicranum scoparium	E0	.	+	.	.	.	+	+	+	.	+	.	.	.	.	+	+	.	+	.	+	.	.	.	.	.	.	.	9	33
	Conocephalum conicum	E0	.	.	.	.	.	.	.	+	+	+	.	+	.	.	.	+	.	.	.	.	+	+	+	.	.	.	.	8	30
	Schistidium apocarpum	E0	+	.	+	.	1	.	.	.	+	1	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.	+	8	30
	Peltigera leucophlebia	E0	.	+	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	+	+	.	.	.	8	30
	Rhizomnium punctatum	E0	.	.	.	.	.	.	+	+	+	.	+	.	.	.	.	.	+	.	.	.	+	+	.	.	.	.	.	7	26
	Plagiomnium undulatum	E0	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	1	+	+	.	.	.	.	.	5	19
	Pseudoleskeella catenulata	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	+	+	.	.	.	+	.	5	19
	Hylocomium splendens	E0	.	.	.	.	.	.	+	+	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	4	15
	Rhytidiadelphus triquetrus	E0	.	.	.	.	.	.	1	+	1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	4	15
	Cladonia pyxidata	E0	+	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	4	15
	Cladonia sp.	E0	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	+	.	+	.	.	.	.	.	.	4	15
	Plagiothecium denticulatum	E0	.	.	.	.	+	.	.	+	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	Bartramia halleriana	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	7
	Bryum capillare	E0	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	2	7
	Eurhynchium striatum	E0	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	2	7
	Homalothecium philippeanum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	2	7
	Isothecium myosuroides	E0	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	Atrichum undulatum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4

Bryum argenteum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	4
Dicranella heteromalla	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
Distichium capillaceum	E0	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Marchantia polymorpha	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Metzgeria furcata	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Mnium hornum	E0	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Mnium sp.	E0	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Neckera crispa	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4
Orthothecium rufescens	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
Cladonia rangiferina	E0	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Collema crispum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Dermatocarpon miniatum	E0	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Peltigera praetextata	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
Solorina saccata	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4

A Limestone – apnenec
D Dolomite – dolomit
L Marlstone – laporovec
Re Rendzina – rendzina

Maximum tree diametre: 15–70 cm
Maximum tree height: 6–18 m

Author of the table (Avtor tabele): Igor Dakskobler

Table 9: Subalpine larch stands (*Rhodothamno-Laricetum*) with *Alnus viridis*

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Database number of relevé (Delovna številka popisa)		209104	244319	241754	244261	209312	209160	230334	209294	209335	209340	209329	209331	209342	209310	244922
	Elevation in m (Nadmorska višina v m)		1520	1560	1530	1540	1530	1450	1600	1620	1550	1480	1530	1590	1560	1650	1660
	Aspect (Lega)		N	N	N	NE	NE	N	N	NW	N	NE	NE	NE	N	N	NE
	Slope in degrees (Nagib v stopinjah)		45	40	50	50	35	40	45	35	50	40	45	35	45	40	35
	Parent material (Matična podlaga)		A	A	A	DA	DA	A	A	A	A	A	A	A	A	A	D
	Soil (Tla)		Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re
	Stoniness in % (Kamnitost v %)		40	20	30	40	10	40	20	30	60	50	50	80	40	20	10
	Cover in % (Zastiranje v %):																
	Upper tree layer (Zgornja drevesna plast)	E3b	60	60	50	50	60	60	60	70	60	60	60	60	50	20	30
	Lower tree layer (Spodnja drevesna plasti)	E3a	10	20		10		20	5	10	10	20	10	10			
	Shrub layer (Grmovna plast)	E2	30	30	20	20	60	20	40	30	40	50	30	50	50	80	90
	Herb layer (Zeliščna plast)	E1	70	80	70	70	60	60	80	60	60	60	60	60	30	40	70
	Moss layer (Mahovna plast)	E0	10	20	10	10	10	10	20	10	20	30	20	20	60	20	20
	Number of species (Število vrst)		92	70	65	74	94	73	94	89	94	80	122	91	74	58	50
	Relevé area (Velikost popisne ploskve)	m^2	200	400	400	400	400	200	400	400	400	200	400	200	200	200	200
	Date of taking relevé (Datum popisa)		8/13/2001	8/8/2012	8/26/2011	8/8/2012	6/27/2000	8/23/2004	7/24/2009	8/24/2000	8/29/2000	9/17/2002	8/3/1999	6/15/2001	7/30/1997	9/7/2000	9/7/2012
	Locality (Nahajališče)		Črna gora	Mizčna glava	Mali Stog	Mizčna glava	Loška stena	Kanja	Vrtaška planina	Bavšica	Lepena	Krnsko jezero	Gozdec	Polovnik	Rezija	Svinjak	Solna glava - Suha Pišnica
	Quadrant (Kvadrant)		9749/4	9648/4	9649/3	9648/4	9647/2	9647/1	9549/1	9647/2	9647/4	9748/1	9646/4	9747/1	9646/4	9647/2	9548/4
	Coordinate GK Y (D-48)	m	418923	409992	412446	410127	394117	390130	416163	396339	395389	398539	383350	389164	378293	393563	404684
	Coordinate GK X (D-48)	m	122532	131035	133139	131004	139959	137328	146533	136284	129498	127150	132877	129340	132412	135036	143462
	Author of the relevé (Avtor popisa)		ID	ID	ID	ID	ID	ID	ID,AR	ID	ID	ID	ID	ID	ID	ID	ID
	Character and differential species of the association (Značilnice in razlikovalnice asociacije)																
VP	*Larix decidua*	E3b	4	4	4	3	3	4	4	4	3	3	4	4	3	2	3
VP	*Larix decidua*	E3a	1	2	+	1	.	+	+	1	1	1	1	1	.	.	.
VP	*Larix decidua*	E2b	1	1	1	1	1	+	1	1	+	.	.	1	.	.	+
VP	*Larix decidua*	E2a	.	+	1	+	1	.	+	.	.	.	+	+	.	+	.
VP	*Larix decidua*	E1	+	.	+	.	.	+	+	.	.	.	+	.	.	.	.
EP	*Rhododendron hirsutum*	E2a	3	2	2	1	3	1	+	+	1	.	1	2	2	3	4
EP	*Rhodothamnus chamaecistus*	E1	1	1	3	2	1	1	+	+	1	+	+	2	1	+	1
AT	*Valeriana saxatilis*	E1	+	+	+	1	+	+	.	.	+	.	+	+	1	1	.
AT	*Primula auricula*	E1	.	.	+	+	.	+	.	.	.	.	+	+	+	.	.
AT	*Carex brachystachys*	E1	.	.	.	r	.	.	.	.	.	.	+	.	+	.	.

Tabela 9: Subalpinski macesnov gozd (*Rhodothamno-Laricetum*) z zeleno jelšo

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
240862	240894	230318	230337	236402	236780	240897	240878	244835	240893	236534	244245	236719	245511	236458	236461	236474	236475	236476	236494	241554	241555	241407	209067	230350		
1500	1700	1760	1770	1580	1730	1770	1420	1530	1610	1770	1760	1280	1770	1700	1630	1770	1830	1810	1670	1620	1650	1410	1410	1700		
N	N	NW	NE	NE	SW	NE	N	N	N	NE	SW	N	NW	NE	NE	N	N	N	N	N	N	NW	NE	NE		
40	45	30	45	50	35	40	35	40	45	35	30	20	35	35	40	45	45	45	40	45	40	40	50	35		
DA	D	DA	DA	DA	DA	D	DA	D	D	DA	A	DA	DA	D	D	DA	DA	DA	AL	D	D	A	G	G		
Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	K	Ev		
5	10	10	10	5	20	10	30	10	20	20	20	50	20	5	5	10	15	20	5	20	20	30	20	0		
50	60	40	50	50	50	50	50	70	60	40	60	20	40	60	60	40	40	50	60	40	40	70	50	50		
10	10	10		2	5	5	10	10	10	10	10		10	5	5	5	5	5	5	5	5	20	10			
60	70	60	60	70	60	90	60	50	60	40	60	60	70	30	30	50	50	20	20	60	50	40	80	50		
80	80	90	80	80	70	80	70	70	80	80	80	50	80	90	90	80	80	70	90	80	80	70	80	90		
40	20	15	10	1	10	10	30	40	10	5	10	20	10	5	5	5	5	10	5	40	20	20	20	5		
44	62	70	75	78	74	56	75	54	53	87	78	79	48	95	115	90	88	75	66	67	82	78	83	57		
200	400	400	400	400	400	400	400	400	400	400	400	200	200	400	400	400	400	400	400	400	400	400	200	400		
9/28/2011	10/4/2011	7/22/2009	7/24/2009	7/12/2010	9/14/2010	10/4/2011	9/27/2011	9/18/2012	10/4/2011	8/2/2010	8/1/2012	7/6/2010	6/19/2012	8/18/2010	8/18/2010	8/12/2010	8/12/2010	8/12/2010	8/16/2010	9/13/2011	9/13/2011	9/25/2011	7/23/2002	8/6/2009		
Srednji Kotel	Votlo Sleme	Macesnovec	Vrtaški vrh	Ravenska kočna	Požgana Mlinarica	Votlo Sleme	Za Akom	Olševa	Votlo Sleme	Sleme	Razorje	Mirnik	Krma - Brda	Mala Peca	Mala Peca	Olševa	Olševa	Olševa	Veliki Javornik	Uršlja gora	Uršlja gora	Dolič - Krnsko pogorje	Šoštar	Srednji vrh		
9548/2	9549/1	9549/3	9549/1	9653/1	9549/3	9549/1	9549/1	9554/1	9549/1	9548/3	9649/3	9749/1	9649/2	9554/2	9554/2	9554/1	9554/3	9554/3	9652/1	9555/2	9555/2	9647/4	9749/4	9551/3		
410269	413884	415941	415531	464109	414044	413932	410458	477658	413883	402770	412154	411571	417577	484446	484460	478111	477857	477931	454527	497344	497358	394598	419257	439474		
5146526	5147082	5140385	5146445	5136822	5141001	5146928	5146920	5145506	5147185	5145223	5133914	5125174	5138627	5149856	5149947	5145120	5145077	5145072	5137136	5149128	5149109	5129699	5121106	5143429		
ID	ID	ID,AR	ID,AR	ID,AS	ID,AS	ID	ID	ID,AS	ID	ID	ID	ID	ID	ID,AS	ID,AS	ID,AS	ID,AS	ID,AS	ID,AS	ID,AS	ID,AS	ID	ID	ID,AR	Pr.	Fr.
3	4	3	4	3	3	3	3	4	4	3	4	2	3	4	4	3	3	3	4	3	3	4	3	3	40	100
1	1	+	+	.	1	1	1	1	1	1	1	.	2	+	+	+	+	+	+	+	.	.	.	+	31	78
.	1	1	+	+	1	1	+	+	1	2	1	.	2	+	+	+	.	+	.	.	.	1	r	.	29	73
1	1	+	+	.	+	1	+	+	1	2	.	1	2	.	.	.	.	.	.	+	+	.	.	.	22	55
.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	.	+	+	.	.	.	.	.	9	23
3	3	4	3	4	4	3	2	4	3	3	2	4	3	+	+	+	+	+	+	+	+	+	+	.	38	95
+	+	+	+	+	+	+	1	+	r	1	1	1	2	.	.	.	.	+	.	.	.	+	+	.	32	80
.	.	.	+	.	.	.	.	.	.	+	.	1	+	.	.	.	.	.	.	+	+	.	.	.	17	43
.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	r	.	8	20
.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	4	10

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Geographical differential species (Geografske razlikovalne vrste)																
VP	*Homogyne sylvestris*	E1	1	.	1	+	+	+	+	+	.	.	r	.	+	.	.
AT	*Paederota lutea*	E1	+	+	.	1	.	1	1	1	1	+	1	+	1	+	+
AF	*Anemone trifolia*	E1	.	.	.	.	.	+	+	+	+	.	+	1	+	+	+
ES	*Laserpitium peucedanoides*	E1	1	.	+	1	.	.	.	.	+	+	+	.	+	+	.
TR	*Astrantia carniolica*	E1	.	+	1	+	+	.	.	.	.	.	.	.	.	.	.
AT	*Campanula carnica*	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Differential species of lower units (Razlikovalne vrste nižjih enot)																
BA	*Alnus viridis*	E2b	1	1	1	1	1	1	1	1	2	1	1	1	2	1	3
BA	*Alnus viridis*	E2a	.	+	.	.	.	.	.	+	.	.	.	.	+	.	+
FS	*Luzula nivea*	E1	.	.	.	.	+	1	+	1	1	.	1	.	+	.	.
MuA	*Stellaria nemorum*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***																
	Vaccinium myrtillus	E1	1	3	1	+	1	3	2	1	2	2	+	1	+	2	2
	Luzula sylvatica	E1	1	1	1	+	1	1	1	1	1	1	+	+	.	+	1
	Vaccinium vitis-idaea	E1	+	2	1	+	+	+	1	+	+	+	+	+	+	1	3
	Valeriana tripteris	E1	1	1	+	.	+	1	1	1	1	1	+	.	1	1	+
	Polystichum lonchitis	E1	+	1	+	1	+	+	+	+	+	1	+	+	.	+	.
	Oxalis acetosella	E1	+	+	+	1	+	+	1	.	+	1	+	1	1	.	+
	Calamagrostis villosa	E1	.	.	1	.	1	1	1	1	1	2	+	.	1	1	1
	Clematis alpina	E1	+	1	+	+	+	1	2	1	1	1	1	1	1	1	r
	Dryopteris dilatata	E1	+	+	.	.	.	+	+	+	+	+	r	.	.	+	.
	Rosa pendulina	E2a	+	+	+	1	+	+	+	+	+	+	+	+	1	1	+
	Homogyne alpina	E1	+	+	.	.	+	1	1	+	+	+	.	+	+	1	+
	Picea abies	E3b	r	r	.	.	.	+	.	.	+	+	+	+	.	.	.
	Picea abies	E3a	.	+	+	+	.	.	+	.	.	.	.	+	r	.	.
	Picea abies	E2b	+	+	.	+	+	.	2	r	.	+	+	+	.	.	.
	Picea abies	E2a	+	+	+	+	.	.	1	.	.	.	+	+	.	r	+
	Picea abies	E1	.	+	+	.	+	+	.	.	.	+	+	.	.	.	.
	Lycopodium annotinum	E1	+	1	1	+	+	+	1	+	.	.	+	1	+	2	4
	Phegopteris connectilis	E1	+	1	1	+	.	1	1	1	.	+	+	+	+	+	.
	Solidago virgaurea	E1	1	1	+	1	+	+	+	1	+	1	+	+	+	+	.
	Gymnocarpium dryopteris	E1	1	1	+	+	1	.	1	+	+	+	.	.	+	+	+
	Saxifraga cuneifolia	E1	+	+	.	+	+	+	1	1	1	2	+	.	+	.	.
	Huperzia selago	E1	+	+	+	+	+	+	.	+	+	+	+	+	+	.	.
	Melampyrum sylvaticum	E1	+	+	+	1	+	.	+	.	.	+	+	.	.	.	.
	Aposeris foetida	E1	+	.	.	.	1	.	+	.	+	.	+	.	.	.	.
	Hieracium murorum	E1	.	+	.	.	+	+	+	+	+	+	+	+	.	.	.
	Lonicera caerulea	E2a	.	+	.	.	.	.	.	+	+	r	+	+	r	+	1
	Luzula luzuloides subsp. *luzuloides*	E1	+	.	.	.	.	+	+	.	.	.	.	.	.	.	.
	Veronica urticifolia	E1	1	1	.	1	+	+	.	+	+	+	.	.	+	.	.
	Maianthemum bifolium	E1	1	.	.	+	.	+	1	1	.	+	+	+	1	.	.
	Gentiana asclepiadea	E1	+	+	+	+	+	+	.	.	+	.	+	+	.	.	.
	Lonicera nigra	E2a	.	.	.	.	.	.	+	+	+	.	.	.	+	.	r
	Dryopteris expansa	E1	.	.	.	.	+	.	.	1	+	.	+	+	.	.	.
	Calamagrostis arundinacea	E1	2	3	.	.	.	.	+	.	.	.	+	+	.	.	.
	Abies alba	E3	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Abies alba	E2b	.	.	.	.	.	.	.	.	.	r	.	+	.	.	.
	Abies alba	E2a	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.
	Abies alba	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	Pyrola rotundifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Pr.	Fr.
1	.	+	.	1	+	.	.	1	1	.	.	.	.	+	1	1	1	+	.	1	1	.	+	.	23	58
.	+	+	1	+	+	.	+	1	+	+	1	+	.	+	+	+	+	1	1	+	.	+	1	.	33	83
1	1	.	+	.	1	1	1	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	17	43
+	.	+	.	+	+	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	+	.	16	40
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	13
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	2	5
3	3	2	2	2	1	1	2	1	2	1	1	1	1	1	1	3	3	1	2	4	3	2	4	3	40	100
.	.	+	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	8	20
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3	3	3	1	1	2	2	3	3	.	3	3	3	1	1	1	3	2	1	1	+	1	2	.	+	38	95
1	1	1	+	1	+	1	1	+	2	1	1	.	1	2	2	1	1	1	3	2	2	2	.	1	37	93
+	2	1	2	2	2	2	2	3	2	+	1	2	+	+	+	+	+	+	.	+	+	+	.	.	37	93
1	1	1	1	+	+	1	1	+	1	1	1	+	+	+	+	+	1	1	+	+	1	1	+	.	37	93
+	1	+	+	1	+	1	+	+	+	1	1	+	.	+	+	+	+	+	+	1	+	1	+	+	37	93
1	1	1	1	1	+	1	1	1	.	+	.	1	.	1	1	1	1	1	1	1	1	1	+	.	34	85
3	3	1	1	1	1	2	3	1	3	1	1	1	.	2	1	1	1	2	1	.	1	1	.	1	33	83
.	+	1	+	1	1	1	1	1	1	1	+	1	.	.	+	.	+	+	.	.	+	+	+	.	33	83
+	+	+	1	+	+	+	1	.	+	+	+	+	.	1	+	1	2	1	1	+	+	1	+	1	32	80
.	+	+	.	+	+	+	1	.	.	1	2	.	.	+	+	.	.	.	.	+	+	+	+	.	29	73
1	1	1	+	+	.	+	+	1	.	+	+	1	+	.	.	+	.	.	+	.	+	+	.	.	28	70
.	.	.	.	.	r	.	+	.	.	.	.	.	.	+	+	.	+	.	+	+	.	.	r	+	16	40
+	.	.	.	.	.	+	.	1	+	.	r	.	.	1	+	+	+	.	.	+	+	+	r	.	19	48
.	.	.	.	+	+	+	+	1	+	+	.	1	.	+	+	.	.	.	1	+	+	+	+	.	24	60
.	+	+	+	+	+	.	+	1	+	.	.	.	+	.	+	+	+	+	1	+	+	+	+	+	28	70
.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	7	18
1	2	1	1	1	+	+	1	1	2	.	1	2	1	.	.	.	.	.	.	+	+	.	.	.	28	70
1	+	.	+	+	+	+	+	+	+	+	.	1	.	.	.	.	.	.	1	.	1	.	+	+	27	68
.	.	+	+	.	+	.	1	.	.	+	1	+	.	.	.	+	.	.	.	.	.	+	+	+	25	63
+	.	.	+	.	+	.	+	1	.	.	+	+	.	+	.	+	+	.	+	.	+	.	.	.	24	60
.	.	.	.	+	.	.	.	+	+	+	.	1	.	+	1	+	+	+	1	.	.	1	.	.	23	58
.	+	.	+	+	.	.	+	.	+	.	+	+	+	.	.	.	.	.	+	.	+	.	.	.	22	55
.	.	+	+	+	.	.	.	+	.	+	+	+	.	+	+	+	+	+	.	.	+	.	.	.	21	53
1	1	1	+	1	+	1	.	+	.	.	.	.	+	+	.	+	+	.	1	.	.	.	.	1	19	48
.	.	+	+	+	+	+	.	.	.	.	+	+	.	.	+	.	.	+	.	.	.	1	.	.	19	48
.	+	+	+	.	+	+	+	.	.	+	2	1	.	.	.	.	.	.	.	.	.	+	.	.	19	48
.	.	.	.	.	.	.	.	+	.	.	+	.	.	+	+	1	1	1	+	1	1	1	+	+	16	40
.	.	.	.	+	.	+	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	1	+	.	15	38
.	.	.	.	.	+	.	+	.	.	.	1	+	.	.	.	.	.	.	.	.	.	+	.	.	14	35
+	.	.	.	.	.	.	.	.	.	.	.	+	.	+	1	.	.	.	.	.	.	.	.	.	13	33
.	.	.	+	+	.	.	+	.	.	.	.	.	.	+	.	.	+	.	.	.	+	+	.	+	13	33
.	.	+	.	.	.	.	.	.	.	.	.	+	.	1	+	+	+	.	.	.	.	+	.	+	13	33
.	.	.	.	.	.	+	+	.	.	.	.	+	+	.	.	.	.	.	+	.	.	1	3	.	12	30
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.	r	.	.	+	.	.	+	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	6	15
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.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	5
.	.	+	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	4	10

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Luzula luzulina	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Luzula pilosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Moneses uniflora	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Orthilia secunda	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Pyrola minor	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+
	Ajuga pyramidalis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Listera cordata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Luzula luzuloides subsp. *rubella*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pyrola chlorantha	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r
EP	***Erico-Pinetea***																
	Rubus saxatilis	E1	1	1	1	1	1	+	+	1	1	2	+	+	+	.	+
	Pinus mugo	E2b	.	.	+	.	+	+	+	1	+	.	+	2	+	4	4
	Calamagrostis varia	E1	.	2	1	2	.	1	.	.	+	.	1	+	+	1	.
	Erica carnea	E1	.	.	2	.	.	.	.	.	.	.	+	1	.	+	+
	Carex ornithopoda	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+
	Cirsium erisithales	E1	+	.	.	+	.	.	.	.	.	+	+	+	.	.	.
	Aquilegia nigricans	E1	.	+	.	+	.	.	.	.	+	.	.	.	.	.	.
	Juniperus alpina	E2a	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.
	Arctostaphylos uva-ursi	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	Galium austriacum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Molinia caerulea subsp. *arundinacea*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AF	***Aremonio-Fagion***																
	Dentaria enneaphyllos	E1	+	.	.	.	+	.	1	.	.	.	.	+	.	.	.
	Knautia drymeia	E1	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Helleborus niger	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cardamine trifolia	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
	Cyclamen purpurascens	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Rhamnus fallax	E2	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
FS	***Fagetalia sylvaticae***																
	Daphne mezereum	E2a	r	.	+	.	+	.	.	.	.	+	+	.	.	.	r
	Melica nutans	E1	+	.	+	+	+	1	+	.	.	.	+	.	+	.	.
	Galeobdolon flavidum	E1	.	.	.	.	.	.	+	.	.	.	+	+	+	.	.
	Lonicera alpigena	E2a	.	1	+	+	.	.	+	+	.	.	1	.	.	.	.
	Poa nemoralis	E1	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.
	Mercurialis perennis	E1	1	.	.	.	.	.	+	+	.	.	1	.	1	.	.
	Paris quadrifolia	E1	+	.	.	.	+	.	+	.	.	+	+	+	.	.	.
	Dryopteris filix-mas	E1	+	.	.	.	.	.	+	+	+	+	+	.	.	.	.
	Prenanthes purpurea	E1	+	+	+	.	.	+	+	.	.	.	.	.	.	+	+
	Myosotis sylvatica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Chrysosplenium alternifolium	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	Fagus sylvatica	E3b	.	.	.	.	.	.	.	.	.	.	+	.	r	.	.
	Fagus sylvatica	E3a	+	r	+	.	.	+	.	.	.	.	+	.	.	.	.
	Fagus sylvatica	E2b	+	.	.	.	r	.	.	.	.	.	.	.	r	.	.
	Fagus sylvatica	E2a	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Lilium martagon	E1	.	.	.	+	.	.	.	.	.	.	r	+	.	.	.
	Epilobium montanum	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Acer pseudoplatanus	E3a	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.
	Acer pseudoplatanus	E2b	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Acer pseudoplatanus	E2a	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.
	Acer pseudoplatanus	E1	.	.	+	+	.	.	.	+	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Pr.	Fr.
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Symphytum tuberosum	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Polystichum aculeatum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Actaea spicata	E1	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.
	Galium laevigatum	E1	.	.	.	+	.	+	.	+	.	.	.	.	.	.	.
	Adoxa moschatellina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca heterophylla	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Aruncus dioicus	E1	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.
	Campanula trachelium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Euphorbia amygdaloides	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Laburnum alpinum	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Laburnum alpinum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Mycelis muralis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Phyteuma spicatum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus lanuginosus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
QP	***Quercetalia pubescentis***																
	Sorbus aria	E2a	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Arabis turrita	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Convallaria majalis	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Primula veris subsp. *columnae*	E1	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.
QF	***Querco-Fagetea***																
	Hepatica nobilis	E1	.	.	.	1	.	.	+	.	.	.	+	.	.	.	.
	Anemone nemorosa	E1	1	+	.	1	.	.	+	.	.	.	.	.	.	.	.
	Carex digitata	E1	.	.	.	.	+	+	.	.	.	.	+	.	.	.	.
	Dactylorhiza fuchsii	E1	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.
	Galium sylvaticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus auricomus agg.	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	Viola riviniana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
QR	*Betula pendula*	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BA	***Betulo carpaticae-Alnetea viridis***																
	Salix appendiculata	E3a	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Salix appendiculata	E2b	1	1	+	+	+	.	.	.	+	2	1	+	1	+	.
	Salix appendiculata	E2a	.	.	+	.	+	.	.	.	.	.	+	.	1	+	.
	Salix appendiculata	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.
	Sorbus chamaemespilus	E2	+	1	1	.	1	.	+	+	1	+	.	+	+	+	1
	Salix glabra	E2	.	+	.	.	.	+	+	.	.	.	.	.	.	.	+
	Salix waldsteiniana	E2a	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+
	Ribes alpinum	E2a	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
SSC	***Sambuco-Salicion capreae***																
	Sorbus aucuparia	E3b	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.
	Sorbus aucuparia	E3a	+	+	+	+	.	+	.	+	.	1	+	.	.	.	.
	Sorbus aucuparia	E2b	+	+	+	+	+	.	.	1	1	1	+	.	1	+	1
	Sorbus aucuparia	E2a	.	.	.	.	.	.	+	.	+	.	.	+	+	+	+
	Sorbus aucuparia	E1	.	+	.	+	.	.	+	+	.	+	.	.	.	.	+
	Rubus idaeus	E2a	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	Fragaria vesca	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	Urtica dioica	E1	.	.	.	.	.	.	.	+	+	+	.	.	.	.	.
	Galeopsis speciosa	E1	r	.	.	.	.	.	.	+	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***																
	Viola biflora	E1	+	+	1	1	1	1	1	1	+	1	1	1	1	+	+
	Geranium sylvaticum	E1	+	+	+	.	+	.	+	+	+	1	.	+	+	+	+
	Polygonatum verticillatum	E1	+	.	+	+	.	+	+	+	1	1	+	.	+	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Pr.	Fr.
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1	1	+	1	+	+	+	+	.	1	1	1	1	1	+	1	1	1	1	1	1	1	.	.	2	37	93
1	+	+	+	.	+	1	.	.	+	1	1	.	.	+	+	+	1	+	+	.	+	.	.	.	28	70
.	.	.	.	1	+	+	.	.	.	.	1	+	.	1	1	+	+	.	+	+	.	1	1	.	23	58

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Saxifraga rotundifolia	E1	.	+	.	.	+	.	+	+	+	2	+	.	.	.	.
	Athyrium filix-femina	E1	+	.	.	.	+	+	+	+	+	1	+	+	.	.	.
	Veratrum album s.lat.	E1	+	1	.	+	.	.	.	+	+	.	1	1	.	.	+
	Chaerophyllum hirsutum	E1	.	.	.	.	.	.	+	+	+	+	.	.	.	+	.
	Adenostyles alliariae	E1	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.
	Ranunculus platanifolius	E1	.	+	.	+	+	.	.	+	+	.	+	r	1	.	.
	Aconitum lycoctonum subsp. *ranunculifolium*	E1	.	.	.	+	+	.	.	+	1	+	+	+	.	.	.
	Geum rivale	E1	.	+	.	.	.	.	.	+	+	+	.	.	.	.	.
	Hypericum maculatum	E1	.	.	.	.	+	.	.	+	+	.	+	.	.	.	.
	Phyteuma ovatum	E1	+	+	.	.	+	+	+	.	.	.	r	.	.	.	.
	Poa hybrida	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	Senecio ovatus	E1	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Senecio cacaliaster	E1	+	.	.	.	.	.	.	+	.	.	.	+	.	.	.
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	+	.	.	+	.	+	.	.
	Doronicum austriacum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	Primula elatior	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	Rumex arifolius	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Aconitum angustifolium	E1	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.
	Alchemilla xanthochlora	E1	.	.	.	.	+	.	.	+	.	.	+	.	.	.	.
	Crepis paludosa	E1	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Aconitum tauricum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Chaerophyllum villarsii	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	Cortusa matthioli	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Epilobium alpestre	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Peucedanum ostruthium	E1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.
	Alchemilla monticola	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cicerbita alpina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Heracleum montanum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Knautia longifolia	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	Milium effusum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pedicularis recutita	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Rumex alpinus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Scrophularia scopolii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Athyrium distentifolium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***																
	Sesleria caerulea subsp. *calcaria*	E1	2	+	2	3	1	2	2	1	1	1	2	1	.	1	+
	Aster bellidiastrum	E1	1	.	+	1	+	1	+	.	+	+	+	+	+	.	.
	Heliosperma alpestre	E1	+	+	+	.	+	+	+	.	+	.	.	.	.	+	.
	Astrantia bavarica	E1	+	+	.	+	+	.	.	+	+	+	.	+	.	+	.
	Polygonum viviparum	E1	.	.	+	1	+	.	+	.	.	1	+	+	+	.	.
	Carex ferruginea	E1	.	.	+	.	1	.	.	.	.	.	.	.	.	.	.
	Phyteuma orbiculare	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Campanula witasekiana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca calva	E1	.	.	.	.	.	+	.	+	+	.	+	+	+	.	.
	Galium anisophyllum	E1	.	.	.	.	+	.	.	.	.	.	.	+	+	.	.
	Juncus monanthos	E1	.	.	.	.	+	+	+	.	.	.	+	.	+	+	.
	Carex firma	E1	.	.	+	.	.	+	.	.	.	.	.	.	.	+	+
	Bartsia alpina	E1	.	.	.	.	.	.	+	.	.	.	+	+	.	.	.
	Betonica alopecuros	E1	+	.	.	.	.	.	.	.	.	.	+	+	.	.	.
	Carex sempervirens	E1	.	.	.	.	+	.	.	.	.	.	+	+	.	+	.
	Arctostaphylos alpinus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Helianthemum alpestre	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pedicularis rostrato-capitata	E1	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.
	Thymus praecox subsp. *polytrichus*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Arabis vochinensis	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	Dryas octopetala	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hieracium villosum	E1	r	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Koeleria eriostachya	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	Phleum hirsutum	E1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.
	Phleum rhaeticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pulsatilla alpina subsp. *austroalpina*	E1	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.
	Scabiosa lucida subsp. *lucida*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hieracium pilosum	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	Pedicularis verticillata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Polygala alpestris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Primula wulfeniana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus carinthiacus	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Ranunculus montanus agg.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Senecio abrotanifolius	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Sesleria sphaerocephala	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Achillea clavenae	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	Carduus crassifolius	E1	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex mucronata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Myosotis alpestris	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Oxytropis neglecta	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Scabiosa lucida subsp. *stricta*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***																
	Bromopsis transilvanica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carlina acaulis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Linum catharticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Prunella grandiflora	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
JT	***Juncetea trifidi***																
	Soldanella alpina	E1	.	+	+	.	+	.	.	.	+	.	.	.	.	.	+
	Anthoxanthum odoratum agg.	E1	+	.	.	.	+	.	1	+	+	.	.	+	.	.	.
	Gentiana pannonica	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	Potentilla aurea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Agrostis rupestris	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
LV	*Vaccinium gaultherioides*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+
CU	***Calluno-Ulicetea***																
	Coeloglossum viride	E1	r	.	.	+	+	.	.	.	.	+	.	.	.	.	.
	Hieracium lachenalii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Galium pumilum	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.
EA	***Epilobietea angustifolii***																
	Chamaenerion angustifolium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Epilobium collinum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***																
	Digitalis grandiflora	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vicia sylvatica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PaT	***Poo alpinae-Trisetalia***																
	Campanula scheuchzeri	E1	+	+	+	.	+	1	+	+	+	+	1	+	+	+	+
	Poa alpina	E1	.	.	.	.	+	+	.	+	.	+	+	+	.	.	+
	Trollius europaeus	E1	.	.	.	.	+	.	.	+	.	.	.	+	+	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Ranunculus nemorosus	E1	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.
	Festuca nigrescens	E1	+	.	.	.	.	.	1	.	.	.	.	.	.	.	.
	Cerastium fontanum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Crepis aurea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenetheretea***																
	Deschampsia cespitosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Caltha palustris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Dactylis glomerata s.str.	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.
	Lotus corniculatus s. lat. (*L. alpinus*)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Veronica chamaedrys	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Angelica sylvestris	E1	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Astrantia major	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cirsium eriophorum	E1	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.
	Galium mollugo	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Leontodon hispidus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Prunella vulgaris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Taraxacum officinale	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Trifolium pratense	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SCf	***Scheuchzerio-Caricetea fuscae***																
	Selaginella selaginoides	E1	+	+	.	+	+	.	.	.	+	+	+	+	.	+	.
	Parnassia palustris	E1	+	+	1	+	+	.	+	+	.	.	.	.	.	+	.
	Pinguicula alpina	E1	.	.	.	.	+	.	.	.	.	.	.	+	+	.	.
	Tofieldia calyculata	E1	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.
AC	***Arabidetalia caeruleae***																
	Alchemilla fissa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex capillaris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Salix retusa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex atrata	E1	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.
	Homogyne discolor	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga sedoides	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Veronica aphylla	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
TR	***Thlaspietea rotundifolii***																
	Campanula cochleariifolia	E1	+	+	+	1	+	.	+	.	.	.	.	.	.	.	.
	Adenostyles glabra	E1	1	1	1	2	+	.	+	1	+	+	1	+	+	.	.
	Festuca nitida	E1	+	+	+	+	+	+	+	.	+	+	.	+	.	.	.
	Gymnocarpium robertianum	E1	.	.	+	+	.	.	.	.	.	.	+	+	+	.	.
	Dryopteris villarii	E1	+	.	r	.	+	1	.	+	+	.	.	+	1	.	.
	Cystopteris montana	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+
	Trisetum argenteum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Arabis alpina	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Biscutella laevigata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	Alchemilla alpigena	E1	.	.	.	.	.	.	.	.	+	.	+	+	.	.	.
	Minuartia austriaca	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Rhodiola rosea	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.
	Saxifraga aizoides	E1	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.
	Molopospermum peloponnesiacum subsp. *bauhinii*	E1	.	.	.	.	.	.	.	r	.	.	+	.	.	.	.
	Campanula cespitosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cerastium carinthiacum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca laxa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Geranium macrorrhizum	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Ligusticum seguieri	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Poa minor	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga caesia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Scrophularia juratensis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AT	***Asplenietea trichomanis***																
	Asplenium viride	E1	1	+	+	+	+	1	1	1	1	1	+	+	+	+	.
	Cystopteris fragilis	E1	.	+	.	+	.	+	+	1	+	+	+	+	+	.	.
	Heliosperma pusillum	E1	.	.	.	.	+	.	+	.	+	+	+	.	+	.	.
	Moehringia muscosa	E1	+	.	.	.	.	.	+	.	.	.	.	+	.	.	.
	Saxifraga crustata	E1	.	.	.	.	.	.	.	.	.	+	+	+	+	.	.
	Polypodium vulgare	E1	.	.	.	.	.	.	.	+	+	.	+	.	.	.	.
	Cerastium subtriflorum	E1	.	.	.	.	+	.	.	+	+	+	+	.	.	.	.
	Asplenium ruta-muraria	E1	+	.	.	.	.	+	.	.	.	.	+	+	.	.	.
	Asplenium trichomanes	E1	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.
	Festuca stenantha	E1	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.
	Hieracium bifidum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus alpestris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Soldanella minima	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cystopteris regia	E1	.	.	.	.	+	.	.	.	.	.	.	r	.	.	.
	Androsace lactea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus traunfellneri	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	Bupleurum petraeum	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
	Campanula zoysii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca alpina	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	Hedysarum hedysaroides subsp. *exaltatum*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	Hieracium caesium	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	Phyteuma sieberi	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Potentilla clusiana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Valeriana elongata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
O	**Other species (Druge vrste)**																
	Alchemilla sp.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hieracium sp.	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.
	Selaginella helvetica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ML	**Mosses and lichens (Mahovi in lišaji)**																
	Rhytidiadelphus triquetrus	E0	.	1	+	1	+	+	1	+	+	2	1	+	2	1	3
	Tortella tortuosa	E0	1	+	+	+	+	+	+	+	1	+	+	.	1	+	+
	Dicranum scoparium	E0	+	+	.	+	+	+	1	+	+	+	1	1	1	+	1
	Ctenidium molluscum	E0	+	1	.	+	.	+	1	+	1	.	+	1	.	1	+
	Hylocomium splendens	E0	.	+	+	1	1	+	+	+	1	2	1	1	1	+	1
	Polytrichum formosum	E0	+	+	.	.	+	2	+	1	+	+	+	+	+	+	.
	Fissidens dubius	E0	+	.	.	.	+	+	.	+	+	.	.	+	.	+	.
	Peltigera leucophlebia	E0	.	+	.	+	.	+	+	.	+	+	+	+	1	.	.
	Orthothecium rufescens	E0	+	.	.	+	+	.	.	.	.	.	+	.	+	.	.
	Schistidium apocarpum	E0	.	.	.	.	.	+	+	.	.	.	+	.	.	.	.
	Plagiochila porelloides	E0	+	.	.	.	+	+	.	.	.	+	.	.	.	.	.
	Sphagnum sp. (inc. **S. quinquefarium*)	E0	.	1	+	.	.	.	.	.	.	.	.	.	.	1	.
	Peltigera canina	E0	.	.	.	.	.	.	.	+	+	+	+	.	.	.	.
	Eurhynchium striatum	E0	.	.	.	.	.	.	+	.	.	1	.	.	.	.	.
	Plagiothecium undulatum	E0	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.
	Bartramia halleriana	E0	.	.	.	.	+	.	.	+	+	+	+	.	.	.	.
	Rhytidiadelphus loreus	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	Cladonia pyxidata	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Pr.	Fr.
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Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Cladonia sp.	E0	.	.	.	.	.	.	.	.	+	.	+	.	.	+	.
Conocephalum conicum	E0	.	.	.	.	.	.	.	.	.	+	+	.	+	.	.
Mnium thomsonii	E0	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.
Rhizomnium punctatum	E0	.	.	.	.	.	.	+	.	.	+	+	.	.	.	.
Cetraria islandica	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Letharia vulpina	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Isothecium alopecuroides	E0	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Marchantia polymorpha	E0	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.
Metzgeria furcata	E0	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Metzgeria sp.	E0	.	.	.	.	.	.	.	+	.	1	.	.	.	.	.
Neckera crispa	E0	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.
Plagiomnium undulatum	E0	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
Plagiothecium sylvaticum	E0	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.
Polytrichum commune	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Musci sp.	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
Atrichum undulatum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Bryum capillare	E0	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
Eurhynchium sp.	E0	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
Homalothecium lutescens	E0	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
Hypnum cupressiforme	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Paraleucobryum sauteri	E0	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Plagiochila asplenioides	E0	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
Plagiopus oederi	E0	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Plagiothecium sp.	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Polytrichastrum formosum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Pseudoleskeella catenulata	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sanionia uncinata	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Solorina saccata	E0	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
**Scapania aequiloba*	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
**Eurhynchium angustirete*	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

*det. Andrej Martinčič

A Limestone – apnenec
D Dolomite – dolomit
G Claystone – glinavec
L Marlstone – laporovec
Re Rendzina – rendzina
K Brown calcareous soil – rjava pokarbonatna tla
Ev Eutric brown soil – evtrična rjava tla
ID Igor Dakskobler
AR Andrej Rozman
AS Andrej Seliškar

Maximum tree diametre: 15–110 cm
Maximum tree height: 12–20 m

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Pr.	Fr.
.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	10
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Table 10 / Tabela 10: *Rhododendro hirsuti-Pinetum mugo typicum* var. *Alnus viridis* = *Rhodothamno-Pinetum mugo typicum* var. *Alnus viridis*

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10		
	Database number of relevé (Delovna številka popisa)		202909	202950	236576	203054	203016	240911	234458	203014	203055	244318		
	Elevation in m (Nadmorska višina v m)		1720	1770	1320	1630	1360	1250	1690	1630	1580	1490		
	Aspect (Lega)		NE	N	NW	NW	NE	NW	W	NW	N	N		
	Slope in degrees (Nagib v stopinjah)		40	30	30	35	20	15	35	30	30	25		
	Parent material (Matična podlaga)		A	DA	Gr	A	A	Gr	A	A	A	Gr		
	Soil (Tla)		Li	Re	Re	Re	Re	Re	Re	Re	Re	Re		
	Stoniness in % (Kamnitost v %)		10	10	0	10	60	10	29	30	20	10		
	Cover of tree layer in % (Zastiranje drevesne plasti v %)	E3	.	.	.	.	.	5	.	10	5	5		
	Cover of shrub layer in % (Zastiranje grmovne plasti v %):	E2	80	90	90	90	90	80	80	90	90	70		
	Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	60	60	90	40	50	70	60	50	50	90		
	Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	20	10	5	10	30	50	20	10	5	40		
	Number of species (Število vrst)		44	53	38	61	56	79	57	81	57	71		
	Relevé area (Velikost popisne ploskve)	m^2	50	100	100	100	100	200	200	100	100	100		
	Date of taking relevé (Datum popisa)		7/31/2003	8/13/2002	7/10/2010	8/11/2000	8/1/2001	8/30/2011	10/4/2004	8/7/2001	8/11/2000	8/8/2012		
	Locality (Nahajališče)		Črna prst - Škrilje	Črna prst - Zovh	Krma - Debela peč	Šoštar	Četrt	Beli potok	Bala - Prevala	Lisec	Šoštar	Poljane - pl. Laz		
	Quadrant (Kvadrant)		9749/4	9749/4	9649/2	9749/4	9749/4	9549/1	9648/1	9749/4	9749/4	9648/4		
	Coordinate GK Y (D-48)	m	417835	418360	418345	419167	416722	412732	397520	417715	418905	410040		
	Coordinate GK X (D-48)	m	121587	121449	139550	121402	122054	146811	139965	122410	121413	131139		
	Author of the relevé (Avtor popisa)		ID	ID	ID	ID	ID	ID, AR	ID	ID	ID	ID	Pr.	Fr.
	Diagnostic species of the association (Diagnostične vrste asociacije)													
EP	*Pinus mugo*	E2b	4	5	5	5	4	5	3	3	4	4	10	100
EP	*Rhododendron hirsutum*	E2a	3	3	3	2	3	2	1	2	2	+	10	100
ES	*Laserpitium peucedanoides*	E1	1	+	.	+	.	+	.	+	.	.	5	50
EP	*Rhodothamnus chamaecistus*	E1	.	+	+	.	+	+	+	.	.	.	5	50
	Geographical differential species (Geografske razlikovalnice)													
AT	*Paederota lutea*	E1	.	.	.	.	+	+	.	+	+	.	4	40
AF	*Anemone trifolia*	E1	.	.	1	.	.	+	.	.	.	.	2	20
	Differential species of lower units (Razlikovalnice nižjih enot)													
BA	*Alnus viridis*	E2b	1	1	1	1	1	1	4	2	1	1	10	100
BA	*Alnus viridis*	E2a	.	.	+	.	.	.	.	.	.	.	1	10
BA	*Alnus viridis*	E1	.	.	.	.	.	.	.	.	.	+	1	10
EP	***Erico-Pinetea***													
	Rubus saxatilis	E1	+	+	+	1	+	1	1	+	1	1	10	100
	Calamagrostis varia	E1	.	+	+	.	.	+	.	.	.	.	3	30

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
	Erica carnea	E1	.	.	+	.	.	1	+	.	.	.	3	30
	Juniperus sibirica	E2a	.	.	.	+	+	r	.	.	.	.	3	30
	Carex ornithopoda	E1	.	.	.	.	.	.	+	r	.	+	3	30
	Buphthalmum salicifolium	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Cirsium erisithales	E1	.	.	.	.	.	.	+	.	.	.	1	10
VP	***Vaccinio-Piceetea***													
	Vaccinium myrtillus	E1	2	3	3	1	2	2	1	.	+	1	9	90
	Rosa pendulina	E2a	1	+	1	1	+	+	+	1	1	.	9	90
	Lonicera caerulea	E2a	+	+	+	+	+	+	+	1	.	1	9	90
	Vaccinium vitis-idaea	E1	2	1	2	2	+	2	+	.	.	1	8	80
	Clematis alpina	E2a	1	+	+	+	1	1	+	+	.	.	8	80
	Valeriana tripteris	E1	+	+	.	+	+	+	+	1	1	.	8	80
	Lycopodium annotinum	E1	.	2	3	+	1	2	1	.	+	1	8	80
	Calamagrostis villosa	E1	+	1	+	+	1	.	2	.	.	+	7	70
	Luzula sylvatica	E1	.	+	+	+	.	1	+	.	+	+	7	70
	Oxalis acetosella	E1	.	+	.	1	.	1	+	+	+	+	7	70
	Solidago virgaurea	E1	.	+	+	+	.	.	+	1	+	+	7	70
	Dryopteris dilatata	E1	.	+	.	+	+	+	.	+	1	+	7	70
	Homogyne alpina	E1	+	1	+	1	.	1	.	.	.	+	6	60
	Gymnocarpium dryopteris	E1	+	+	.	.	1	+	1	+	.	.	6	60
	Huperzia selago	E1	+	+	+	.	+	.	+	.	.	1	6	60
	Maianthemum bifolium	E1	+	.	+	+	+	+	.	.	.	.	5	50
	Polystichum lonchitis	E1	.	.	.	.	+	+	+	+	r	.	5	50
	Lonicera nigra	E2a	.	.	.	+	1	+	+	.	.	.	4	40
	Gentiana asclepiadea	E1	.	.	.	.	1	.	1	+	+	.	4	40
	Phegopteris connectilis	E1	+	.	.	.	1	2	.	.	.	.	3	30
	Homogyne sylvestris	E1	+	.	.	.	.	1	.	+	.	.	3	30
	Larix decidua	E3a	.	.	.	.	.	1	.	.	+	.	2	20
	Larix decidua	E2b	.	.	+	r	.	+	.	.	.	.	3	30
	Larix decidua	E2a	.	.	+	.	.	.	.	.	.	.	1	10
	Larix decidua	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Picea abies	E3a	.	.	.	.	.	+	.	.	.	r	2	20
	Picea abies	E2b	.	.	.	r	+	+	.	.	.	.	3	30
	Picea abies	E2a	.	.	.	.	+	.	.	+	.	.	2	20
	Picea abies	E1	.	.	.	.	.	+	.	.	.	+	2	20
	Dryopteris expansa	E1	.	.	.	1	.	.	1	.	1	.	3	30
	Saxifraga cuneifolia	E1	.	.	.	.	+	+	.	.	.	.	2	20
	Luzula luzulina	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Luzula luzuloides	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Abies alba	E2	.	.	.	.	+	.	.	.	.	.	1	10
	Orthilia secunda	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Pyrola rotundifolia	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Calamagrostis arundinacea	E1	.	.	.	.	.	.	.	1	.	.	1	10
	Veronica urticifolia	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Hieracium murorum	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Melampyrum sylvaticum	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Pyrola minor	E1	.	.	.	.	.	.	.	.	.	+	1	10
AF	***Aremonio-Fagion***													
	Cardamine enneaphyllos	E1	.	+	1	.	1	+	.	+	.	+	6	60
	Knautia drymeia	E1	.	.	.	.	.	+	.	+	.	.	2	20
	Cyclamen purpurascens	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Cardamine trifolia	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Helleborus niger	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Rhamnus fallax	E2a	.	.	.	.	.	+	.	.	.	.	1	10

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
FS	***Fagetalia sylvaticae***													
	Prenanthes purpurea	E1	.	.	+	.	+	+	.	.	+	.	4	40
	Galeobdolon flavidum	E1	.	.	.	+	.	+	1	+	.	.	4	40
	Melica nutans	E1	.	.	.	.	+	1	+	1	.	.	4	40
	Paris quadrifolia	E1	.	.	.	.	+	+	+	+	.	.	4	40
	Lilium martagon	E1	.	+	.	.	.	.	.	+	+	.	3	30
	Epilobium montanum	E1	.	.	.	+	.	.	+	.	r	.	3	30
	Daphne mezereum	E2a	.	.	.	.	.	+	+	.	r	.	3	30
	Mercurialis perennis	E1	.	.	.	.	.	+	1	+	.	.	3	30
	Chrysosplenium alternifolium	E1	.	.	.	+	.	.	+	.	.	.	2	20
	Acer pseudoplatanus	E2	.	.	.	.	.	+	.	+	.	.	2	20
	Dryopteris filix-mas	E1	.	.	.	.	.	.	+	+	.	.	2	20
	Galium laevigatum	E1	.	.	.	.	.	.	.	+	+	.	2	20
	Symphytum tuberosum	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Fagus sylvatica	E2b	.	.	.	.	+	.	.	.	.	.	1	10
	Lonicera alpigena	E2a	.	.	.	.	+	.	.	.	.	.	1	10
	Cypripedium calceolus	E1	.	.	.	.	.	r	.	.	.	.	1	10
	Adoxa moschatellina	E1	.	.	.	.	.	.	+	.	.	.	1	10
	Actaea spicata	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Scrophularia nodosa	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Polystichum aculeatum	E1	.	.	.	.	.	.	.	+	.	.	1	10
QF	***Querco-Fagetea***													
	Anemone nemorosa	E1	.	.	.	+	+	.	.	1	1	+	5	50
	Hepatica nobilis	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Convallaria majalis	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Sorbus aria	E2a	.	.	.	.	.	+	.	.	.	.	1	10
	Sorbus aria	E2b	.	.	.	.	.	+	.	.	.	.	1	10
BA	***Betulo carpaticae-Alnetea viridis***													
	Salix appendiculata	E2b	+	+	+	1	1	.	1	1	1	.	8	80
	Salix appendiculata	E2a	.	.	.	1	1	+	.	.	.	+	4	40
	Salix glabra	E2	+	+	+	+	+	+	.	+	+	.	8	80
	Salix waldsteiniana	E2a	+	2	+	+	.	+	+	.	1	1	8	80
	Sorbus chamaemespilus	E2	+	+	+	1	1	+	1	.	1	.	8	80
SSC	***Sambuco-Salicion capreae***													
	Sorbus aucuparia	E3a	.	.	.	.	.	+	.	1	.	.	2	20
	Sorbus aucuparia	E2	+	.	+	1	.	1	2	+	1	+	8	80
	Sorbus aucuparia	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Rubus idaeus	E2a	.	.	.	1	.	.	1	.	1	.	3	30
	Hypericum hirsutum	E1	.	.	.	.	.	.	.	+	.	.	1	10
MuA	***Mulgedio-Aconitetea***													
	Viola biflora	E1	1	1	.	1	.	1	1	.	1	1	7	70
	Veratrum album	E1	+	+	.	+	1	.	.	1	1	1	7	70
	Geranium sylvaticum	E1	.	+	.	+	.	+	.	+	+	.	5	50
	Polygonatum verticillatum	E1	.	+	.	+	+	.	.	+	1	.	5	50
	Ranunculus platanifolius	E1	.	r	.	+	+	.	+	.	+	.	5	50
	Athyrium filix-femina	E1	.	.	.	.	+	+	1	1	1	.	5	50
	Adenostyles alliariae	E1	.	+	.	+	.	.	.	+	1	.	4	40
	Hypericum maculatum	E1	.	.	.	+	.	.	.	.	+	.	2	20
	Saxifraga rotundifolia	E1	.	.	.	.	.	.	1	.	1	.	2	20
	Senecio cacaliaster	E1	.	.	.	.	.	.	.	1	1	.	2	20
	Carduus personata	E1	.	.	.	.	.	.	.	+	+	.	2	20
	Chaerophyllum villarsii	E1	.	.	.	.	.	.	.	+	+	.	2	20
	Cicerbita alpina	E1	.	.	.	.	.	.	.	r	1	.	2	20
	Doronicum austriacum	E1	.	.	.	.	.	.	.	+	1	.	2	20

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
	Heracleum sphondylium subsp. *montanum*	E1	.	.	.	.	.	.	.	+	+	.	2	20
	Aconitum lycoctonum subsp. *ranunculifolium*	E1	.	.	.	.	.	.	.	+	+	.	2	20
	Allium victorialis	E1	.	+	.	.	.	.	.	.	.	.	1	10
	Phyteuma ovatum	E1	.	+	.	.	.	.	.	.	.	.	1	10
	Crepis pyrenaica	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Eryngium alpinum	E1	.	.	.	.	.	.	.	r	.	.	1	10
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Myrrhis odorata	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Poa hybrida	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Stellaria nemorum	E1	.	.	.	.	.	.	.	.	1	.	1	10
	Crepis paludosa	E1	.	.	.	.	.	.	.	.	1	.	1	10
	Geum rivale	E1	.	.	.	.	.	.	.	.	1	.	1	10
	Epilobium alpestre	E1	.	.	.	.	.	.	.	.	+	.	1	10
ES	***Elyno-Seslerietea***													
	Sesleria caerulea subsp. *calcaria*	E1	1	+	.	1	.	.	.	+	.	1	5	50
	Astrantia bavarica	E1	+	+	.	+	.	.	.	r	.	+	5	50
	Carex ferruginea	E1	.	+	.	.	.	.	.	+	.	+	3	30
	Campanula witasekiana	E1	.	.	+	.	.	.	.	+	+	.	3	30
	Heliosperma alpestre	E1	.	.	.	+	.	.	.	+	.	1	3	30
	Aster bellidiastrum	E1	.	.	.	.	.	+	.	+	.	+	3	30
	Juncus monanthos	E1	.	+	.	.	.	.	.	.	.	+	2	20
	Carduus crassifolius	E1	.	.	.	+	.	.	.	+	.	.	2	20
	Koeleria eriostachya	E1	.	.	.	+	.	.	.	.	.	+	2	20
	Anemone narcissiflora	E1	+	.	.	.	.	.	.	.	.	.	1	10
	Hieracium villosum	E1	+	.	.	.	.	.	.	.	.	.	1	10
	Linum julicum	E1	+	.	.	.	.	.	.	.	.	.	1	10
	Helianthemum alpestre	E1	.	.	+	.	.	.	.	.	.	.	1	10
	Festuca calva	E1	.	.	.	.	.	.	+	.	.	.	1	10
	Helianthemum nummularium subsp. *grandiflorum*	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Betonica alopecuros	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Pulsatilla alpina	E1	.	.	.	.	.	.	.	r	.	.	1	10
	Serratula tinctoria subsp. *macrocephala*	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Agrostis alpina	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Bartsia alpina	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Carex firma	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Carex sempervirens	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Dryas octopetala	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Polygonum viviparum	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Salix alpina	E1	.	.	.	.	.	.	.	.	.	+	1	10
JT	***Juncetea trifidi***													
	Soldanella alpina	E1	.	+	.	.	.	.	.	.	.	+	2	20
	Anthoxanthum odoratum agg.	E1	.	.	.	+	.	.	.	+	.	.	2	20
	Agrostis rupestris	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Gentiana pannonica	E1	.	.	.	.	.	.	.	.	.	+	1	10
	Potentilla aurea	E1	.	.	.	.	.	.	.	.	.	+	1	10
LV	***Loiseleurio-Vaccinietea***													
	Empetrum hermaphroditum	E1	+	.	+	.	.	.	.	.	.	2	3	30
	Arctostaphylos alpinus	E1	.	+	.	.	.	.	.	.	.	2	2	20
	Vaccinium gaultherioides	E1	.	.	.	.	.	.	.	.	.	3	1	10
SCf	***Scheuchzerio-Caricetea fuscae***													
	Parnassia palustris	E1	+	+	.	+	.	.	.	r	+	+	6	60
	Pinguicula alpina	E1	+	.	.	.	.	+	.	.	.	+	3	30
	Selaginella selaginoides	E1	+	.	.	.	.	+	.	.	.	1	3	30

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
	Tofieldia calyculata	E1	+	.	.	.	.	.	.	.	.	.	1	10
CU	***Calluno-Ulicetea***													
	Potentilla erecta	E1	.	.	.	.	.	+	.	.	.	+	2	20
	Hieracium lachenalii	E1	.	.	.	.	.	.	.	.	.	+	1	10
PaT	***Poo alpinae-Trisetalia***													
	Campanula scheuchzeri	E1	+	+	.	+	+	.	.	+	+	+	7	70
	Poa alpina	E1	.	.	.	+	.	.	.	.	.	+	2	20
	Trollius europaeus	E1	.	.	.	+	.	.	.	.	.	+	2	20
	Festuca nigrescens	E1	.	.	.	.	.	.	.	+	.	+	2	20
	Cerastium fontanum	E1	.	.	.	.	.	.	.	.	r	.	1	10
MA	***Molinio-Arrhenatheretea***													
	Galium album	E1	.	.	.	+	.	.	.	.	.	.	1	10
	Deschampsia cespitosa	E1	.	.	.	.	.	.	+	.	.	.	1	10
	Angelica sylvestris	E1	.	.	.	.	.	.	.	+	.	.	1	10
	Dactylis glomerata s.str.	E1	.	.	.	.	.	.	.	+	.	.	1	10
AC	***Arabidetalia caeruleae***													
	Salix retusa	E1	.	.	.	.	.	.	.	.	.	1	1	10
	Carex atrata	E1	.	.	.	.	.	.	.	.	.	1	1	10
	Carex capillaris	E1	.	.	.	.	.	.	.	.	.	1	1	10
	Homogyne discolor	E1	.	.	.	.	.	.	.	.	.	+	1	10
TR	***Thlaspietea rotundifolii***													
	Festuca nitida	E1	.	.	.	+	.	+	+	.	+	+	5	50
	Adenostyles glabra	E1	.	.	.	.	+	+	.	1	.	.	3	30
	Gymnocarpium robertianum	E1	.	.	+	.	.	+	.	.	.	.	2	20
	Dryopteris villarii	E1	.	.	.	.	+	.	.	.	.	.	1	10
	Astrantia carniolica	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Cystopteris montana	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Rhodiola rosea	E1	.	.	.	.	.	.	.	.	+	.	1	10
AT	***Asplenietea trichomanis***													
	Asplenium viride	E1	.	+	.	.	1	+	1	+	.	+	6	60
	Valeriana saxatilis	E1	+	+	.	.	.	+	.	.	.	.	3	30
	Cystopteris fragilis	E1	.	.	.	.	.	.	+	1	.	.	2	20
	Saxifraga crustata	E1	+	.	.	.	.	.	.	.	.	.	1	10
	Campanula zoysii	E1	.	.	.	.	.	r	.	.	.	.	1	10
	Heliosperma pusillum	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Moehringia muscosa	E1	.	.	.	.	.	.	+	.	.	.	1	10
O	**Other species (Druge vrste)**													
	Cirsium sp.	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Carduus sp.	E1	.	.	.	.	.	+	.	.	.	.	1	10
	Alchemilla sp.	E1	.	.	.	.	.	.	.	.	+	.	1	10
ML	**Mosses and lichens (Mahovi in lišaji)**													
	Rhytidiadelphus triquetrus	E0	.	1	+	1	1	2	+	.	1	1	8	80
	Tortella tortuosa	E0	+	+	+	.	+	.	+	1	.	+	7	70
	Hylocomium splendens	E0	+	.	1	+	.	2	+	.	.	1	6	60
	Dicranum scoparium	E0	.	+	1	1	1	1	.	.	.	.	5	50
	Orthothecium rufescens	E0	+	+	.	.	+	+	.	.	.	.	4	40
	Polytrichum formosum	E0	+	.	.	.	1	+	1	.	.	.	4	40
	Rhytidiadelphus loreus	E0	.	+	.	+	.	.	+	+	.	.	4	40
	Sphagnum sp.	E0	+	.	1	.	.	2	.	.	.	.	3	30
	Ctenidium molluscum	E0	.	.	.	.	+	.	+	1	.	.	3	30
	Rhizomnium punctatum	E0	.	+	.	.	.	.	+	.	.	.	2	20
	Peltigera leucophlebia	E0	.	.	+	.	.	+	.	.	.	.	2	20
	Schistidium apocarpum	E0	.	.	.	.	+	.	+	.	.	.	2	20
	Dicranum sp.	E0	+	.	.	.	.	.	.	.	.	.	1	10

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	Pr.	Fr.
Mnium thomsonii	E0	.	+	.	.	.	.	.	.	.	.	1	10
Bazzania trilobata	E0	.	.	.	.	+	.	.	.	.	.	1	10
Fissidens dubius	E0	.	.	.	.	+	.	.	.	.	.	1	10
Plagiochila asplenioides	E0	.	.	.	.	.	+	.	.	.	.	1	10
Plagiothecium undulatum	E0	.	.	.	.	.	+	.	.	.	.	1	10
Cladonia sp.	E0	.	.	.	.	.	.	.	+	.	.	1	10
Polytrichum commune	E0	.	.	.	.	.	.	.	.	.	1	1	10
Sanionia uncinata	E0	.	.	.	.	.	.	.	.	.	1	1	10
Cetraria islandica	E0	.	.	.	.	.	.	.	.	.	1	1	10
Musci sp.	E0	.	.	.	.	.	.	.	.	.	+	1	10

A Limestone – apnenec
D Dolomite – dolomit
G Claystone – glinavec
Gr Gravel – pobočni grušč
Re Rendzina – rendzina
Li Lithosol – kamnišče
ID Igor Dakskobler
AR Andrej Rozman