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Phytosociological analysis of montane-subalpine dwarf willow shrub communities in the Julian Alps and on the Trnovski gozd plateau (NW and W Slovenia)

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Key words: phytosociology, synsystematics, *Elyno-Seslerietea*, *Rhododendro hirsuti-Ericetea carneae*, *Betulo carpaticae-Alnetea viridis*, Julian Alps, Dinaric Alps, Trnovski Gozd Plateau, Snežnik Mts., Slovenia.

Ključne besede: fitocenologija, sinsistematika, *Elyno-Seslerietea, Rhododendro hirsuti-Ericetea carneae, Betulo carpaticae-Alnetea viridis*, Julijske Alpe, Dinarsko gorstvo, Trnovski gozd, Snežniško pogorje, Slovenija.

Abstract

By means of a phytosociological analysis of 72 relevés of montane-subalpine shrub communities with dominating *Rhododendron hirsutum, Salix waldsteiniana, S. glabra* and *S. appendiculata* from the Julian Alps and the the Trnovski Gozd Plateau and by comparing them with similar communities elsewhere in the Alps and the Dinaric Alps we described a new association *Laserpitio peucedanoidis-Salicetum waldsteinianae*, a new subassociation *Rhododendretum hirsuti vaccinietosum myrtilli*, two new subassociations of the association *Dryado-Rhodothamnetum chamaecisti* that had recently been described in the Dolomites (*-caricetosum firmae*, *-salicetosum waldsteinianae*), as well as a new association *Heliospermo pusillae-Rhododendretum hirsuti*. We classified the glabrous willow community in the study area into a new association *Homogyno sylvestris-Salicetum glabrae* and proposed a new name – *Rhododendro hirsuti-Salicetum appendiculatae* for the large-leaved willow community, which we subdivided into two geographical variants: var. geogr. *Paederota lutea* (Julian Alps, Trnovski Gozd Plateau) and var. geogr. *Hypericum grisebachii* (Liburnian Karst).

Izvleček

S fitocenološko analizo 72 popisov gorsko-subalpinskih grmišč s prevladujočimi vrstami *Rhododendron hirsutum*, *Salix waldsteiniana*, *S. glabra* in *S. appendiculata* v Julijksih Alpah in Trnovskem gozdu in primerjavo s podobnimi združbami drugod v Alpah in v Dinarskem gorstvu smo opisali novo asociacijo *Laserpitio peucedanoidis-Salicetum waldsteinianae,* novo subasociacijo *Rhododendretum hirsuti vaccinietosum myrtilli* in dve novi subasociaciji asociacije *Dryado-Rhodothamnetum chamaecisti,* ki so jo nedavno opisali v Dolomitih (*-caricetosum firmae*, *-salicetosum waldsteinianae*), v Trnovskem gozdu pa novo asociacijo *Heliospermo pusillae-Rhododendretum hirsuti*. Združbo gole vrbe v raziskanem območju uvrščamo v novo asociacijo *Homogyno sylvestris-Salicetum glabrae*, za združbo velikolistne vrbe pa predlagamo novo ime *Rhododendro hirsuti-Salicetum appendiculatae* in jo členimo v dve geografski varianti: var. geogr. *Paederota lutea* (Julijske Alpe, Trnovski gozd) in var. geogr. *Hypericum grisebachii* (Liburnijski kras).

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Introduction

Until recently, communities of hairy alpenrose (*Rhododendron hirsutum*) and Waldstein willow (*Salix waldsteiniana*) in the Julian Alps were studied mainly by Zupančič & Žagar (2001) and Surina (2005a), while the role of large-leaved willow (*Salix appendiculata*) was indirectly discussed in descriptions of communities with dominating *Alnus viridis* (Dakskobler et al. 2013a), *Rhamnus fallax* (Dakskobler et al. 2013b) and *Sorbus aucuparia* (Dakskobler 2016). Subalpine shrub communities with dominating *Juniperus alpina* and *Rhododendron hirsutum* in the Southeastern Alps (Poldini et al. 2004) and in the northwestern part of the Dinaric Alps (Surina 2013), on the other hand, have been thoroughly studied. The studied communities usually overgrow specific sites (shady slopes with persistent snow cover, stony depressions, gullies, hollows and limestone pavements). Very often they are long-term successional stages on screes or rockfalls. Compared to the dominating forms of shrub vegetation in the subalpine belt of the Southeastern Alps (dwarf pine, green alder stands) they do not overgrow large areas, but their ecological role is similar and important, both in terms of their protective and biotope function. Over the last 15 years we have collected a lot of relevé material. We arranged the collected relevés into a phytosociological table, mutually compared them and classified the established communities into a syntaxonomic system.

Methods

Subalpine shrub communities in the Julian Alps and on the Trnovski Gozd Plateau were studied applying the Braun-Blanquet method (Braun-Blanquet 1964). A total of 72 relevés (12 of which had already been published – 11 relevés by Surina 2005a and one by T. Wraber 1980) were entered into the FloVegSi database (Fauna, Flora, Vegetation and Paleovegetation of Slovenia) of the Jovan Hadži Institute of Biology at SRC SASA (Seliškar et al. 2003). The phytosociological relevés were arranged into a working table based on hierarchical classification. We transformed the combined cover-abundance values with numerical values (1–9) according to van der Maarel (1979). Numerical comparisons were performed with the SYN-TAX 2000 program package (Podani 2001). The relevés were compared by means of "(unweighted) average linkage method" – UPGMA, using Wishart's similarity ratio.

In the first step we used the numerical analyses as the basis on which we formed floristically homogeneous groups of relevés that were subsequently compared, using the same methodology, with similar communities in the Eastern Alps and the Dinaric Alps, also using hierarchical classification and the same method as when we compared individual relevés.

The nomenclature source for the names of vascular plants are the Mala flora Slovenije (Martinčič et al. 2007) and Flora alpina (Aeschimann et al. 2004a,b), and for mosses Martinčič (2003, 2011). Suppan et al. (2000) is the nomenclature source for the names of lichenicolous fungi (lichens). Only the most frequent taxa were determined for mosses and lichens, some only to the rank of genus. For the names of syntaxa we follow Grabherr et al. (1993), Theurillat (2004), Karner (2007a), Šilc & Čarni (2012), E. Pignatti & S. Pignatti (2014) and Mucina et al. (2016). In the classification of species into phytosociological groups (groups of diagnostic species) we mainly refer to the Flora alpina (Aeschimann et al. 2004a,b). The geographic coordinates of relevés are determined according to the Slovenian geographic coordinate system D 48 (5th zone) on the Bessel ellipsoid and with Gauss-Krüger projection.

Most of the relevés discussed in this article were made in the Julian Alps and on the Trnovski Gozd Plateau (Dinaric Alps). The geological bedrock in the study area is mainly calcareous, limestone, dolomite limestone or dolomite (Buser 2009). The studied communities occur on initial soils (lithosols) or rendzina with raw or moder humus (Lovrenčak 1998, Vidic et al. 2015). The climate is montane, humid, with mean annual precipitation of (2,000) 2,500 to 3,000 mm (Zupančič 1998) and mean annual air temperature of (-1) 0 to +2 °C (Cegnar 1998). As the studied communities overgrow mainly shady slopes and hollows their stands are frequently covered with snow for several months.

Results and discussion

Review of the syntaxa, with types of newly described communities

Elyno-Seslerietea Br.-Bl. 1948
Seslerietalia coeruleae Br.-Bl. in Br.-Bl. et Jenny 1926
Caricion firmae Gams 1936
Dryado-Rhodothamnetum chamaecisti E. Pignatti, Pignatti et Gerdol in E. Pignatti et Pignatti 2014
- *caricetosum firmae* subass. nov. hoc loco, the nomenclature type, *holotypus*, is relevé 8 in Table 1.
- *salicetosum waldsteinianae* subass. nov., the nomenclature type, *holotypus*, is relevé 16 in Table 1

Rhododendro hirsuti-Ericetea carneae Schubert et al. 2001
Rhododendro hirsuti-Ericetalia carneae Grabherr, Greimler et Mucina 1993
Ericion carneae Rübel ex Grabherr, Greimler et Mucina 1993

Rhodothamno chamaecisti-Juniperetum alpini Poldini, Oriolo et Francescato 2004
Rhododendro hirsuti-Juniperetum alpinae Horvat ex Horvat et al. 1974
Rhododendretum hirsuti Lüdi 1921 *vaccinietosum myrtilli* subass. nov., the nomenclature type, *holotypus,* is relevé 27 in Table 1
Heliospermo pusillae-Rhododendretum hirsuti ass. nov. hoc loco, the nomenclature type, *holotypus,* is relevé 2 in Table 4
Homogyno sylvestris-Salicetum glabrae ass. nov. hoc loco, the nomenclature type, *holotypus*, is relevé 7 in Table 4

Betulo carpaticae-Alnetea viridis Rejmánek in Huml et al. 1979
Alnetalia viridis Rübel ex Huml et al. 1979
Alnion viridis Schnyder 1930
Aceri-Salicetum appendiculatae Oberdorfer 1957
Salicetum waldsteinianae Beger ex Oberdorfer 1978
Salicetum glabrae Smettan ex Eggensberger 1994
Laserpitio peucedanoidis-Salicetum waldsteinianae Zupančič et Žagar ex Dakskobler et Surina ass. nov. hoc loco, the nomenclature type, *lectotypus*, is relevé 7 in Table 1 (Zupančič & Žagar 2001), syn.: *Salicetum waldstenianae* Beger corr. Zupančič et Žagar 2001 var. geogr. *Homogyne sylvestris* Zupančič et Žagar 2001
- *typicum,* the nomenclature type is the same as the nomenclature type of the association
- *saxifragetosum rotundifoliae* subass. nov. hoc loco., the nomenclature type, *holotypus*, is relevé 2 in Table 2

Laserpitio peucedanoidis-Salicetum waldsteinianae var. geogr. *Hypericum grisebachii* T. Wraber in Dakskobler et Surina prov. (*Hyperico grisebachii-Salicetum waldsteinianae* T. Wraber in Dakskobler et Surina prov.)
Scabioso cinerei-Salicetum waldsteinianae Lakušić et al. 1979 ex Dakskobler et Surina ass. nov. = *Salicetum waldsteinianae* (Pawl. et Lakušić 1966) Lakušić et al. 1979 nom. inv., the nomenclature type, *lectotypus* hoc loco, is relevé 5 in Table 25 (Lakušić et al. 1979).
The association *Salicetum waldsteinianae* (Pawl. et Lakušić 1966) Lakušić et al. 1979 was invalidly published, violating the principles of ICPN (Weber et al. 2000) in several articles (e.g. Art. 5, 10, 15–18, 46).
Rhododendro hirsuti-Salicetum appendiculatae Horvat ex Horvat, Glavač et Ellenberg 1974, nom. nov. prop., the nomenclature type, *neotypus* hoc loco, is relevé 18 in Table 4
- var. geogr. *Paederota lutea*
- var. geogr. *Hypericum grisebachii*

Subalpine dwarf shrubs with dominating *Rhododendron hirsutum* and *Rhodothamnus chamaecistus*

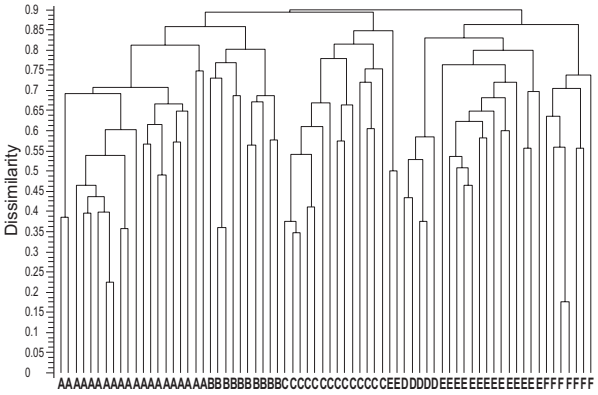

Figure 1: Dendrogram of relevés of montane-subalpine dwarf shrubs with dominant *Rhododendron hirsutum* and *Salix* spp. in the Julian Alps and the Trnovski Gozd Plateau (A – *Dryado-Rhodothamnetum*, B – *Rhododendretum hirsuti vaccinietosum myrtilli*, C – *Laserpitio peucedanoidis-Salicetum waldsteinianae*, D – *Heliospermo pusillae-Rhododendretum hirsuti*, E – *Rhododendro hirsuti-Salicetum appendiculatae*, F – *Homogyno sylvestris-Salicetum glabrae*) – UPGMA, 1– similarity ratio.

Slika 1: Dendrogram popisov gorsko-subalpinskih grmišč s prevladujočimi vrstami *Rhododendron hirsutum* in *Salix* spp. (A – *Dryado-Rhodothamnetum*, B – *Rhododendretum hirsuti vaccinietosum myrtilli*, C – *Laserpitio peucedanoidis-Salicetum waldsteinianae*, D – *Heliospermo pusillae-Rhododendretum hirsuti*, E – *Rhododendro hirsuti-Salicetum appendiculatae*, F – *Homogyno sylvestris-Salicetum glabrae*) – UPGMA, komplement Wishartovega koeficienta podobnosti.

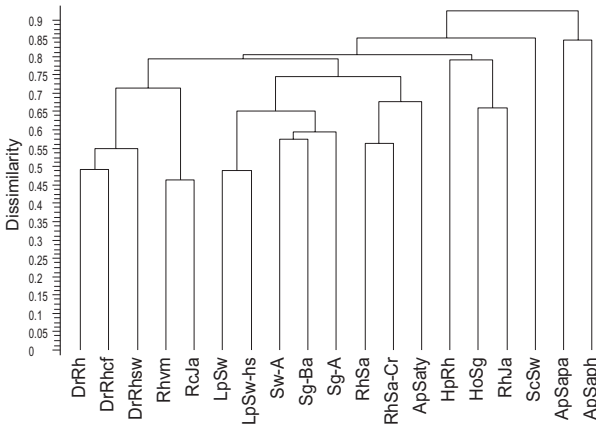

Figure 2: Dendrogram of syntaxa with dominant *Rhododendron hirsutum, Salix* spp. and (or) *Juniperus alpina* in the Alps and the Dinaric Alps (UPGMA, 1– similarity ratio).

Slika 2: Dendrogram sintaksonov s prevladujočimi vrstami *Rhododendron hirsutum*, *Salix* spp. in (ali) *Juniperus alpina* v Alpah in Dinarskem gorstvu (UPGMA, komplement Wishartovega koeficienta podobnosti).

Legend to Figure 2:

DrRh *Dryado-Rhodothamnetum chamaecisti*, the Dolomites (E. Pignatti & S. Pignatti, 2016, Association Table 11.3)
DrRhf *Dryado-Rhodothamnetum chamaecisti caricetosum firmae,* this article
DrRhsw *Dryado-Rhodothamnetum chamaecisti salicetosum waldsteinianae,* this article
Rhvm *Rhododendretum hirsuti vaccinietosum myrtilli*, this article
RcJa *Rhodothamno chamaecisti-Juniperetum alpini* (Poldini et al. 2004, Table 4)
LpSw *Laserpitio peucedanoidis-Salicetum waldsteinianae*, this article
LpSw-hs *Salicetum waldsteinianae* var. geogr. *Homogyno sylvestris = Laserpitio peucedanoidis-Salicetum waldsteinianae*, the Julian Alps, the Karavanke (Zupančič & Žagar 2001, Table 1)
Sw-A *Salicetum waldsteinianae*, Austria (Karner 2007b, Table 10, Column 7)
Sg-Ba *Salicetum glabrae*, NE Alps (Eggensberger, 1994, Table 27, Columns 27–33)
Sg-A *Salix glabra*-community (prov.), Austria (Karner 2007b, Table 10, Column 8)
RhSa *Rhododendro hirsuti-Salicetum appendiculatae*, this article
RhSa-Cr *Salicetum appendiculatae* (=*Rhododendro hirsuti-Salicetum appendiculatae*), Croatia (Horvat et al., 1974, Table 135, Column 4)
ApSaty *Aceri-Salicetum appendiculatae typicum*, Austria (Karner 2007b, Table 10, Column 6)
HpRh *Heliospermo pusillae-Rhododendretum hirsuti*, this article
HoSg *Homogyno sylvestris-Salicetum glabrae*, this article
RhJa *Rhododendro hirsuti-Juniperetum alpinae*, the Dinaric Alps (Surina 2013, Table 2)
ScSw *Scabioso cinerei-Salicetum waldsteinianae*, Bosnia and Herzegovina (Lakušić et al. 1979, Table 25)
ApSapa *Aceri-Salicetum appendiculatae petasitetosum albi*, Austria (Karner 2007b, Table 10, Column 5)
ApSaph *Aceri-Salicetum appendiculatae petasitetosum hybridi*, Austria (Karner 2007b, Table 10, Column 4)

The relevés from the working table roughly grouped into three large clusters, the left additionally into two subclusters and the right into three (Figure 1). The first group of relevés comprises dwarf shrub stands with dominating *Rhododendron hirsutum* and *Rhodothamnus chamaecistus*, in places also *Salix waldsteiniana*. These relevés were arranged in Table 1.They grouped into a larger and a smaller cluster and those from the large cluster additionally into two subclusters. The stands in relevés from the larger cluster (relevés 1– 20 in Table 1) occur on gentle to very steep (5°– 40°) shady stony slopes (northern, northwestern, northeastern, only in one relevé on a southeastern aspect), at elevations between 1,440 and 2,100 m. They remain snow-covered for a large part of the year. The parent material is limestone, dolomite, even talus; the soil is initial, lithosol or shallow rendzina with moder humus. The composition by groups of diagnostic species is shown in Table 6, Columns 2 and 3. Species of subalpine-alpine grasslands from the class *Elyno-Seslerietea* occur alongside the dominating dwarf shrubs, *Rhododendron hirsutum* and *Rhodothamnus chamaecistus*. So far (Surina 2005a, Table 25), similar stands have been classified into the association *Rhododendretum hirsuti* Lüdi 1921, taking into account its description in Grabherr et al. (1993: 436–437). Our synthetic table (Table 5) comprises also the species composition of the association *Dryado-Rhodothamnetum chamaecisti*, which was described as new by Erika and Sandro Pignatti (2014: 455–457; 2016, Association Table 11.3, pages 319–320 and 428). Comparison of montane and subalpine-alpine shrub and hairy alpenrose communities from the Alps and the Dinaric Alps (Figure 2) showed that our relevés from the first, large cluster group with the relevés from the Dolomites and that their mutual similarity, despite certain different species distributed in a very limited area (endemics), is sufficient for us to classify them into the same association. The Pignattis classified it into the alliance *Caricion firmae* and identified it as a permanent stage without prospects for further succession. In terms of species composition its stands are connective with dwarf pine communities (*Rhododendro hirsuti-Pinetum mugo*, *Rhodothamno-Pinetum mugo*) at their lower range boundary and with subalpine-alpine grasslands from the alliances *Caricion firmae* and (or) *Caricion austroalpinae* at their upper range boundary. The only character species mentioned by Pignattis are *Rhodothamnus chamaecistus* and *Dryas octopetala,* although *Rhododendron hirsutum* occurs with equal frequency and mean coverage. They also listed two subunits, but did not typify or classify them into a hierarchical system. The relevés of the first subunit grow at higher elevations between 1,600 and 2,000 m, and its differential species are from the order *Seslerietalia: Sesleria caerulea*, *Carex firma*, *Aster bellidiastrum*, *Biscutella laevigata* and *Bartsia alpina*. In the second group they listed relevés from the elevation of around 1,500 m which demonstrate higher species diversity and comprise several more acidophilous species of open coniferous forests. According to them, this subunit is characterised by *Juniperus alpina*, *Homogyne alpina*,

Rubus saxatilis, Senecio abrotanifolius and *Larix decidua*. We determined the following diagnostic species for the association *Dryado-Rhodothamnetum chamaecisti* in the Julian Alps: *Rhodothamnus chamaecistus*, *Rhododendron hirsutum*, *Selaginella selaginoides*, *Valeriana saxatilis*, *Dryas octopetala*, *Pedicularis rostratocapitata*, *Tofieldia calyculata*, *Homogyne discolor*, *Saxifraga aizoides*, *Pinguicula alpina* and *Salix retusa*. These species are good indicators of environmental conditions – stony shady slopes in the subalpine and lower alpine belt with initial soils. Localities of the stands of the association *Dryado-Rhodothamnetum* in Slovenia are indicated in Figure 3.

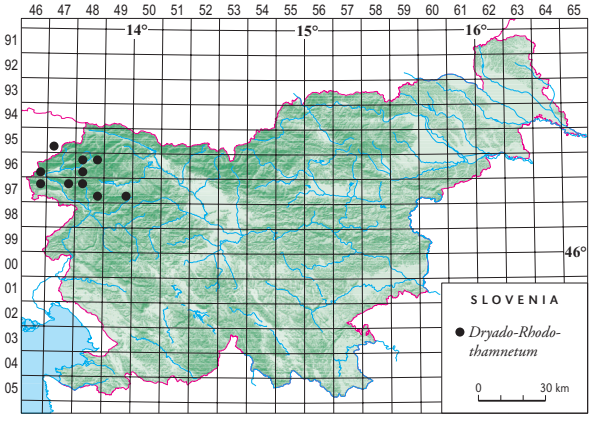

Figure 3: Localities of the stands of the association *Dryado-Rhodothamnetum* in Slovenia.
Slika 3: Nahajališča sestojev asociacije *Dryado-Rhodothamnetum* v Sloveniji.

We described two subassociations. The stands of the subassociation *-caricetosum firmae* (relevés 1 to 11 in Table 1) partly correspond to the first subunit mentioned by Erika and Sandro Pignatti (2014: 456). The differential species are *Carex firma*, *Sesleria sphaerocephala* and *Phyteuma sieberi*. The stands of this subassociation are the most similar to the original description of the association *Dryado-Rhodothamnetum* and demonstrate a similarity and contact with stony grasslands from the alliance *Caricion firmae*. Most of them were made at elevations above 1,800 m. The second subassociation (relevés 12 to 20 in Table 1) was named *-salicetosum waldsteinianae* and its differential species are *Salix waldsteiniana*, *Ranunculus carinthiacus*, *Anemone narcissiflora*, *Carex atrata* and *Viola biflora*. They differentiate the group of relevés that partly resemble the second subunit mentioned by Erika and Sandro Pignatti (ibid.). They are distributed mainly in the subalpine belt (1,600 to 1,800 m), on slightly deeper and acidified soils. Although they comprise a higher proportion of diagnostic species of classes *Betulo-Alnetea*, *Mulgedio-Aconitetea* and *Vaccinio-Piceetea* (Column 3 in Table 6), they are still dominated by species of the class *Elyno-Seslerietea* and their entire species composition still allows for them to be classified into the association *Dryado-Rhodothamnetum*, which is corroborated also by Figure 2.

The group of relevés with dominating *Rhododendron hirsutum* in which *Rhodothamnus chamaecistus* occurs only sporadically and with low mean coverage (relevés 21 to 30 in Table 1), cannot be classified into this association (see also Figure 2). *Salix waldsteiniana* is particularly abundant in some of the relevés, although these stands did not group with the stands classified into its community. Species of classes *Vaccinio-Piceetea*, *Betulo-Alnetea* and *Mulgedio-Aconitetea* (Column 4 in Table 6) already dominate in terms of proportions. These relevés were made on steep shady slopes in the elevation belt spanning 1,600 to 2,000 m. Ecological conditions are similar to those in the previously described community, but soil conditions are different (deeper, most and acidified soil, moder rendzina) and allow for progressive development towards a willow community.

The entire species composition of these relevés, which are transitional between the relevés of the stands of association *Dryado-Rhodothamnetum* and relevés of the stands of association *Salicetum waldsteinianae* s. lat., indicates that they are the most similar to the stands of association *Rhodothamno-Juniperetum alpini* that was described by Poldini et al. (2004) for the Carnic Alps. Its diagnostic species are *Juniperus alpina* (*J. sibirica*), *Rhododendron hirsutum*, *Sorbus chamaemespilus*, *Rhodothamnus chamaecistus*, *Vaccinium myrtillus*, *V. vitis-idaea* and *Homogyne alpina*. They overgrow heavily karstified subalpine plateaus. All diagnostic species of this association occur also in the studied stands, but the species that gave the community its name, *Juniperus alpina* and *Rhodothamnus chamaecistus*, occur with a significantly lower frequency and substantially lower mean coverage. The question is whether our relevés, despite established floristic similarity, can be classified into the community named after Alpine (dwarf) juniper (*Juniperus alpina*) if this species does not have an edifying role in them. This role unquestionably belongs to *Rhododendron hirsutum* and (partly) *Salix waldsteiniana*. Ecological conditions are also slightly different. Our relevés occur on shady slopes, even talus and rarely on karstified plateaus. If we take into account the composition of the upper stand layer we should, for now, opt for classification into the association *Rhododendretum hirsuti* (as described by Grabherr et al. 1993), new subassociation *-vaccinietosum myrtilli*. Its differential species are *Vaccinium myrtillus, Luzula sylvatica*, *Salix waldsteiniana*, *Rosa pendulina*, *Sorbus chamaemespilus*, *Campanula scheuchzeri*, *Viola biflora* and *Festuca nigrescens*. We also differentiate the variant with *Empetrum hermaphroditum*

(its differential species include the taxon *Rhododendron* × *intermedium*) on promontories or ridges with raw humus. Localities of the stands of the subassociation *Rhododendretum hirsuti vaccinietosum myrtilli* in Slovenia are indicated in Figure 4.

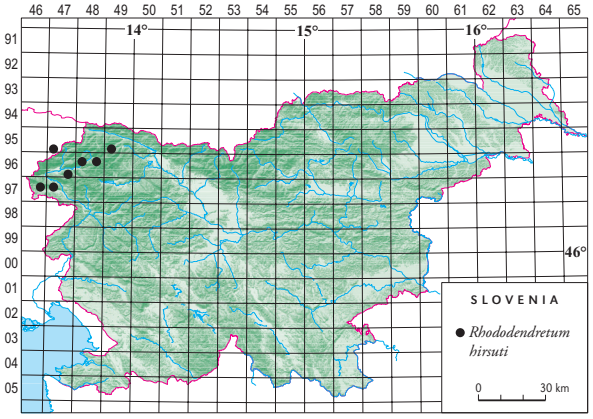

Figure 4: Localities of the stands of the subassociation *Rhododendretum hirsuti vaccinietosum myrtilli* in Slovenia.
Slika 4: Nahajališča sestojev sintaksona *Rhododendretum hirsuti vaccinietosum myrtilli* v Sloveniji.

Ass. *Salicetum waldsteinianae* s. lat. in the Slovenian Alps and the Snežnik Mts.

Most of the relevés in the central relevé cluster in the initial working table (Figure 1) are classified into the association *Salicetum waldsteinianae* s. lat. They demonstrate a similarity with two of our relevés in which, however, the uppermost stand layer is dominated by *Salix appendiculata*, so they are classified into the association *Rhododendro hirsuti-Salicetum appendiculatae* (Chapter 3.6). So far, the relevés of the association *Salicetum waldsteinianae* in the Slovenian Alps have been published by T. Wraber (1980), Zupančič & Žagar (2001) and Surina (2005a, Table 28). These authors classified them into the geographical variant *Salicetum waldsteinianae* var. geogr. *Homogyne sylvestris*, which was determined in detail by Zupančič & Žagar (ibid.). Despite similarities in their sites the relevés from the Southeastern Alps comprise numerous species that are absent from the stands of this association elsewhere in the Alps (in Austria, northern Italy). Waldstein willow stands in the Slovenian Alps are syndynamically related with stands of the association *Saxifrago aizoidis-Caricetum ferrugineae*, which might be a southeastern-Alpine form of the "macroassociation" *Caricetum ferruginae* s. lat., so it is reasonable to change the current rank of the geographical variant *Homogyne sylvestris* to the rank of a new association. This is supported also by the comparison whose results are shown in Figure 2. Table 2 comprises 14 relevés of this association from the Julian Alps. Diagnostic species of the new association are *Salix waldsteiniana*, *Laserpitium peucedanoides*, *Carex ferruginea, Astrantia bavarica, Salix glabra, Rhodiola rosea*, *Selaginella selaginoides*, *Aconitum angustifolium, Homogyne sylvestris, Rhodothamnus chamaecistus, Pulsatilla alpina* subsp. *austroalpina* and *Hedysarum hedysaroides*. In terms of ecology the listed species characterise the new association both as a shrub community on shady stony slopes in the subalpine belt (between 1,300 and 1,900 m a.s.l.) with a persistent snow cover and as a southeastern-Alpine community. We named it *Laserpitio peucedanoidis-Salicetum waldsteinianae*, after a frequent species of subalpine grasslands and open altimontane-subalpine forests of this area, *Laserpitium peucedanoides*. We distinguish between two subassociations. Relevés 1 to 5 in Table 2 are classified into the subassociation *-saxifragetosum rotundifoliae*. Its differential species are *Saxifraga rotundifolia*, *Primula elatior*, *Poa alpina* and *Phleum rhaeticum*. They characterise a mesophilous, mature form of the studied community on fresh rendzinas. For now, we group the other relevés into two variants within the typical subassociation (*-typicum*). The variant with *Sorbus chamaemespilus* indicates mixed shrub communities with sporadic occurrence of *Alnus viridis* that demonstrate a certain similarity with the stands of the association *Rhododendro hirsuti-Alnetum viridis*. The stands of the variant with *Hedysarum hedysaroides* indicate the initial form of the studied community on very shallow soils and are syndynamically related to the stands of the association *Saxifrago aizoidis-Caricetum ferrugineae.* Localities of the stands of the association *Laserpitio peucedanoidis-Salicetum waldsteinianae* in Slovenia are indicated in Figure 5.

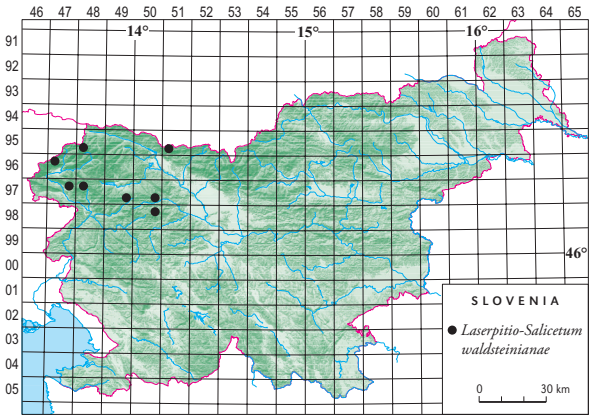

Figure 5: Localities of the stands of the association *Laserpitio-Salicetum waldsteinianae* in northwestern Slovenia.
Slika 5: Nahajališča sestojev asociacije *Laserpitio-Salicetum waldsteinianae* v severozahodni Sloveniji.

Stands of the association *Salicetum waldsteinianae* s. lat. were studied on Mt. Snežnik (NW Dinaric Alps, Liburnian Karst) as well, namely by late Tone Wraber (1997, 2000) who, unfortunately, passed away before he published the relevés. In his manuscript, which is kept in Wraber's library at the Botanical Garden of the University of Ljubljana, we found four relevés arranged herein in Table 3. Comparative analyses of similarities (Sørensen's similarity index, 1948) between stands from the Julian Alps (relevés in Table 2) and Mt. Snežnik demonstrated a similarity of 40% (and a 36% similarity for the relevés from Table 2 and additional ones published by Zupančič and Žagar, 2001), which did not justify the classification of the stands from Mt. Snežnik into the association *Laserpitio-Salicetum waldsteinianae*. The ecology of the stands from Mt. Snežnik is somewhat different, and this is reflected in their species composition: they host a significantly lower number of species from subalpine-alpine grasslands and they are frequently syndynamically related with the stands from the associations *Hyperico grisebachii-Caricetum ferrugineae*, *Doronico austriaci-Adenostyletum alliariae* (Surina 2005b) and *Hyperico grisebachii-Pinetum mugo* (Zupančič et al. 2004). *Hypericum richeri* subsp. *grisebachii* appeared to be a good differential species for the stands from Mt. Snežnik. On the other hand, 61 out of 66 species recorded in the stands dominated by *Salix waldsteiniana* from Mt. Snežnik (Wraber, mscr.) occur in stands of the association *Laserpitio-Salicetum waldsteinianae* in the South-Eastern Alps as well (Appendix 1). The stands from Mt. Snežnik can therefore provisionally be classified either into the new geographical variant *Laserpitio peucedanoidis-Salicetum waldsteinianae* var. geogr. *Hypericum grisebachii* or into the new association *Hyperico grisebachii-Salicetum waldsteinianae*. However, we would need more relevés for a proper description and typification of the new association.

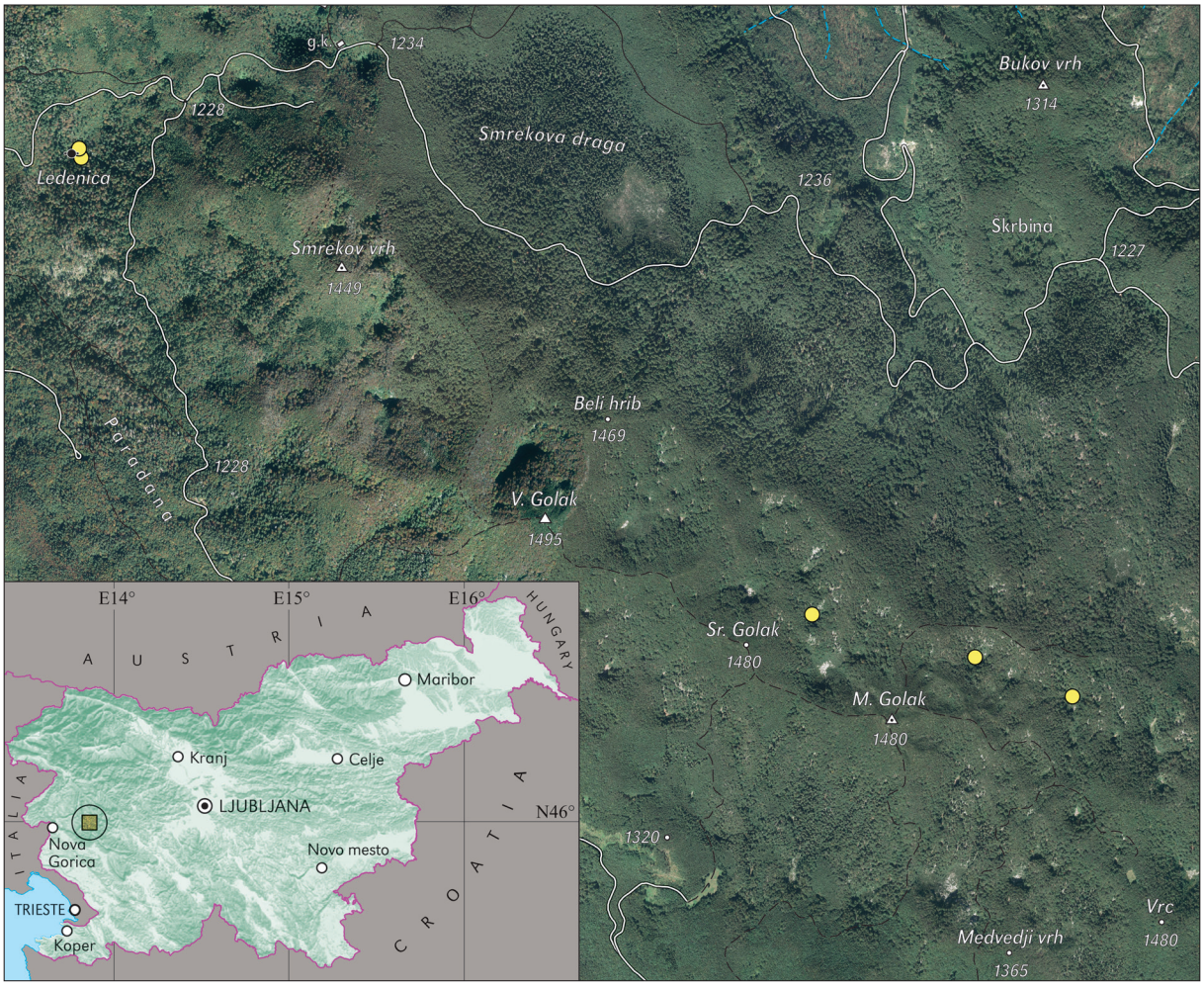

Figure 6: Localities of stands of the association *Heliospermo pusillae-Rhododendretum hirsuti* on the Trnovski Gozd Plateau.
Slika 6: Nahajališča sestojev asociacije *Heliospermo-Rhododendretum hirsuti* v Trnovskem gozdu.

Association *Heliospermo pusillae-Rhododendretum hirsuti* on the Trnovski Gozd Plateau

In our comparison of all relevés (Figure 1) the first five relevés in Table 4 grouped separately from the relevés of other determined communities and are therefore classified into a new association *Heliospermo pusillae-Rhododendretum hirsuti.* Stands of the new association are characterised by dominating *Salix waldsteiniana* and *Rhododendron hirsutum* in the shrub layer, but comprise also *Salix glabra*, *S. appendiculata* and *Rhodothamnus chamaecistus*. They occur in rocky frost hollows on the Trnovski Gozd Plateau at elevantions between 1,100 and 1,400 m (Paradana, Kraljeva Kamra, under Srednji and Veliki Golak – Figure 6), where the snow cover, and consequently also very cold air among the rockfall material, persists long into the summer. Stands of the new association are therefore characterised primarily by hygrophilous and frigophilous species characteristic for such rocky sites: *Heliosperma pusillum* (its community *Drepanoclado uncinati-Heliospermetum pusillae* has developed on even more extreme parts of some of these hollows – Surina & Vreš 2004), *Carex capillaris*, *C. atrata*, *Salix retusa*, in part also *Paederota lutea*, *Viola biflora*, *Salix serpyllifolia*, *Valeriana saxatilis*, on one of the relevés also the endemic *Primula carniolica,* as well as by an abundant moss layer dominated by *Sanionia uncinata,* syn. *Drepanocladus uncinatus*). Until now such species combination has not been recorded anywhere else in the Slovenian mountains, not even in the Julian Alps or Snežnik Mountains, even though Waldstein willow and hairy alpenrose stands also occur there. In some spots the stands of the new association are at the contract with dwarf pine stands (*Rhodothamno-Pinetum mugo*), with the stands of larged-leaved willow (*Rhododendro hirsuti-Salicetum appendiculatae*) and with the stands of the association *Drepanoclado uncinati-Heliospermetum pusillae*. Their full species composition indicates a certain similarity with the stands dominated by glabrous willow (*Salix glabra*) that will be described below and with the stands of the association *Rhododendro hirsuti-Juniperetum alpinae* (Surina 2013), also from the Dinaric Alps. In terms of the structure of phytosociological groups (Column 14 in Table 6) the association is distinctly transitional between the communities of the alliance *Alnion viridis* and the communities of the alliance *Ericion carneae* and order *Rhododendro hirsuti-Ericetalia carneae.* For now we find the classification into this order and class *Rhododendro hirsuti-Ericetea carneae* (Mucina et al. 2016) more appropriate.

Association *Homogyno sylvestris-Salicetum glabrae* in the southern Julian Alps and on the Trnovski Gozd Plateau

The group of seven relevés with dominant *Salix glabra* from the Julian Alps and the northern part of the Trnovski Gozd Plateau (relevés 6–12 in Table 4) clustered in the right side of the dendrogram with all relevés (Figure 1). With their entire species composition these stands show a certain similarity with the stands of associations *Heliospermo-Rhododendretum hirsuti* and *Rhododendro hirsuti-Juniperetum alpinae* (Figure 2), but their structure is unique. The upper stand layer is dominated by *Salix glabra* and *Rhododendron hirsutum*, in certain places accompanied by *Salix appendiculata. Salix waldsteiniana* and *Juniperus alpina,* however, were not recorded there. These stands therefore cannot be classified into the above-mentioned or described syntaxa. They clearly differentiate also from the glabrous willow community from the Northeastern Alps that Eggensberger (1994) described as the association *Salicetum glabrae*. Mutual comparison of the floristic composition of our relevés with his, despite several other species that they have in common (such as *Rhododendron hirsutum*, *Calamagrostis varia, Adenostyles glabra, Betonica alopecuros*) demonstrates a merely 32% floristic similarity (Sørensen 1948), which does not allow for classification into the same association. Eggensberger (ibid.) classifies the association *Salicetum glabrae* into the alliance *Salicion waldsteinianae* Oberdorfer 1978 (which is a synonym for the alliance *Alnion viridis*). Karner (2007a,b) treats the stands with *Salix glabra* in Austria as the *Salix glabra* community (prov.) and considers it a special form of the association *Salicetum waldsteinianae*. His observation is confirmed also by hierarchical classification as both (north)eastern-Alpine glabrous willow communities bond with the association *Salicetum waldsteinianae* and not with the studied south-eastern Alpine-Dinaric community (Figure 2). Our community occurs still in the belt of montane-altimontane beech forests at the elevations between 950 and 1,400 m, on steep to very steep shady slopes, in gravelly gullies, in erosion-exposed areas under rock faces and barriers, on rockfall material. It therefore represents a pioneer or succession stage where the natural conditions (annual snowslides, shallow, unstable soils) do not allow for the development of beech forests and is classified into a new association *Homogyno sylvestris-Salicetum glabrae*. Its diagnostic species are *Salix glabra*, *Rhododendron hirsutum*, *Calamagrostis varia, Sesleria caerulea, Homogyne sylvestris, Carex ferruginea, Ostrya carpinifolia, Astrantia carniolica, Betonica alopecurus, Knautia drymeia*

and *Cyclamen purpurascens*. Co-occurrence of the listed species indicates gravelly dolomite parent material, initial soil, shady and relatively moist sites, a pioneer stage of development in the belt of Illyrian beech forests (mainly from the association *Rhododendro hirsuti-Fagetum*). Composition by groups of diagnostic species (Column 15 in Table 6) allows for the classification of the new association into the alliance *Ericion carneae*, order *Rhododendro-Ericetalia carneae* and class *Rhododendro hirsuti-Ericetea carneae*. Localities of the stands of the new association on the map of Slovenia are indicated in Figure 7.

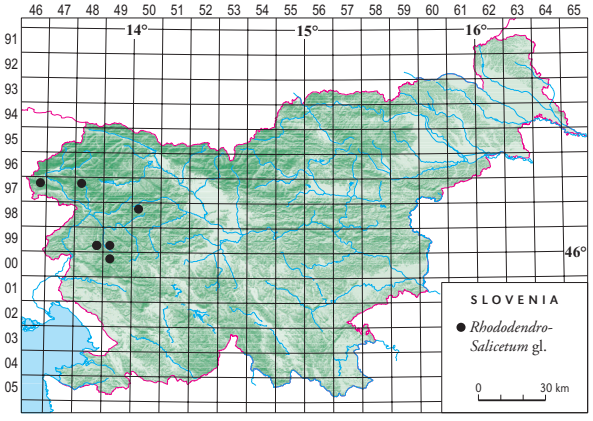

Figure 7: Localities of the stands of the association *Homogyno sylvestris-Salicetum glabrae* in Slovenia.
Slika 7: Nahajališča sestojev asociacije *Homogyno sylvestris-Salicetum glabrae* v Sloveniji.

Association *Rhododendro hirsuti-Salicetum appendiculatae* in the Julian Alps and on the Trnovski Gozd Plateau

Classification of our relevés shows the stands with dominating *Salix appendiculata* grouping within the third group (on the right) (Figure 1). We arranged them in Table 4 (relevés 13–28). By comparing these relevés with similar communities in the Alps and in the Dinaric Alps (Figure 2, Table 5) we determined that they resemble the relevés of the association *Salicetum appendiculatae* (Horvat et al. 1974) and relevés of the subassociation *Aceri-Salicetum appendiculatae typicum* (Karner 2007b). Horvat (1962: 105) used the name *Salicetum grandiflorae* Horv. ass. nova for the large-leaved willow community that overgrows the edges of karst sinkholes and depressions in the mountains of southwestern Croatia (Liburnian Karst), where snow persists for extended periods. In his short description of the new association (without a phytosociological table) he listed the taxon *Senecio crassifolius* as a character species (Horvat may have recorded *Senecio ovatus* (syn. *S. fuchsii*); species *S. crassifolius* (syn. *Senecio leucanthemifolius*) does not occur in Croatia) and a list of more frequent species, including *Homogyne sylvestris, Juniperus alpina, Hypericum richeri* subsp. *grisebachii, Clematis alpina, Lonicera caerulea* s. lat. (see also Trinajstić 2008: 123). Horvat et al. (1974, Table 135, Column 4) published a synthetic table of the association *Salicetum appendiculatae* Horvat 1962 based on 10 relevés from Gorski Kotar in Croatia, which is (as it was published before 1979) a valid description of the new association (Weber et al. 2000). It is true that literature sources, including more recent ones (e.g. E. Pignatti & S. Pignatti 2014: 235) mention the same name with a different author for a different community from the Alps (*Salicetum appendiculatae* Oberd. 1957). The original name of Oberdorfer's community was *Acero-Salicetum appendiculatae* (Oberdorfer 1957) and the quotation *Salicetum appendiculatae* (Br.-Bl. 50) Oberd. 1957 em. is from the second edition (Oberdorfer 1978). A slightly corrected original name *Aceri-Salicetum appendiculatae* Oberdorfer 1957 is therefore the valid name (Karner 2007a, b). In phytosociological investigations of the Snežnik Mts. Gabrijel Tomažič observed and recorded also a community at the bottom of deep sinkholes and frost hollows which he called *Rhodoro-Salicetum grandiflorae*, but his relevés were never published (Tomažič & Tregubov 1958, 1959, Zupančič 2001, Surina 2013). Our comparison shows that *Salicetum appendiculatae* Horvat is not a synonym for the association *Aceri-Salicetum appendiculatae* Oberdorfer (*Acer pseudoplatanus* and several other species listed in Oberdorfer's original relevé of this association from 1957 are completely absent in Horvat's synthetic table from 1974). These are obviously two different communities, where the stands that Karner (ibid.) classified into the subassociation *Aceri-Salicetum appendiculatae typicum* could in fact be part of Horvat's community which they resemble more than the stands of two other subassociations of the association *Aceri-Salicetum* (*-petasitetosum albi* and *-petasitetosum hybridi*). Because Horvat's name *Salicetum appendiculatae* is frequently used with different authors as the name of another syntaxon and is therefore potentially misleading, *nomen ambiguum* (Weber et al. 2000, Art. 36), we propose a new name that was first used (before Horvat) by G. Tomažič: *Rhododendro hirsuti-Salicetum appendiculatae*, but the author cited for the association is still Horvat. Based on our comparisons we differentiate two geographical variants, var. geogr. *Paederota lutea* (Julian Alps, Trnovski Gozd Plateau) and var. geogr. *Hypericum grisebachii* (Liburnian Karst: Snežnik Mts., Gorski Kotar). This article describes only the stands of the geographical variant *Paederota lutea* that were found in the western and southern part of the Ju-

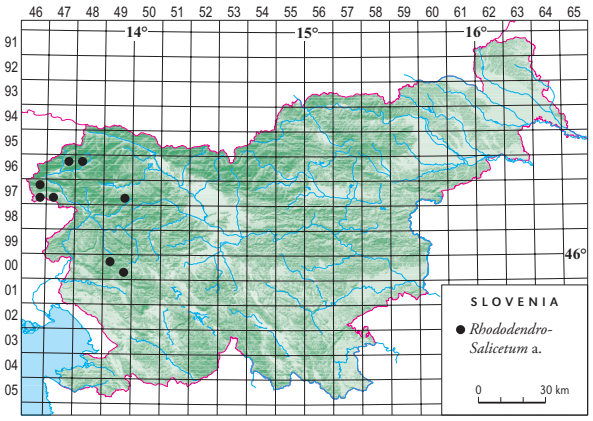

Figure 8: Localities of the stands of the association *Rhododendro hirsuti-Salicetum appendiculatae* in western Slovenia and northeastern Italy.
Slika 8: Nahajališča preučenih sestojev asociacije *Rhododendro hirsuti-Salicetum appendiculatae* v zahodni Sloveniji in severovzhodni Italiji.

lian Alps with their foothills and on the Trnovski Gozd Plateau (Figure 8). The relevés were made on elevations between 470 and 1,650 m, in stony frost hollows and shady gullies with initial soils (lithosol, moder rendzina) and a persistent snow cover. Such hollows covered with rockfall material can be found in Pradol, a dry ravine between Mts. Mija and Ljubija at the border between Slovenia and Italy, in the territory of the Republic Italy, at the elevation of only 470 m. This is where we described a new variant with *Dryopteris remota* (its differential species are also *Polypodium vulgare* and *Phyllitis scolopendrium*). The stands of the new variant are surrounded by stands of European ash and sycamore maple communities (*Veratro nigri-Fraxinetum, Lamio orvalae-Aceretum*) where these hygrophilous ferns frequently occur. Similar shady hollows covered by rockfall or talus deposits are located under Mt. Matajur (Glava), in cirque Dol under the ridge of Breginjski Stol, under Mt. Črna Gora at Mt. Črna Prst, and on the Trnovski Gozd Plateau at the rim of the karst cave in Paradana, in the ravines under the peaks of Mali Golak and Veliki Golak (Kraljeva Kamra), and under the peak Vrh Hoje, where we found stands of the typical variant. Slightly different in terms of floristic composition are large-leaved willow stands in shady stony gullies above the Bala valley in the central Julian Alps, where we described the variant with *Peucedanum ostruthium*. In addition to *Salix appendiculata* these shrub communities generally comprise, in the upper shrub, occasionally also in the lower tree layer, individual specimens of *Sorbus aucuparia*, *Acer pseudoplatanus*, *Picea abies*, *Abies alba*, rarely also *Alnus viridis* and *Pinus mugo*. Only *Sorbus aucuparia* is frequent and has larger coverage than other above-listed species. The species that dominate in the lower shrub layer are *Rhododendron hirsutum*, *Rubus idaeus* and *Lonicera caerulea*, in places also single specimens of *Salix glabra*, *S. waldsteiniana*, *Juniperus alpina, Lonicera nigra* and *Ribes alpinum*. Composition by groups of diagnostic species is in Column 11 in Table 6. The large-leaved willow community is a long term succession stage on sites where natural factors prevent the development of forest and has a similar protective role as green alder stands.

Conclusions

Steep, shady, stony and gravelly slopes and hollows with a persistent snow cover left by the snowslides that descend these slopes every year are extreme sites for forest growth. Although dwarf pine (*Rhodothamno-Pinetum mugo*) and partly also green alder stands (*Rhododendro hirsuti-Alnetum viridis*) represent the predominant shrub community types on such extreme sites under and at the existing timberline in the Julian Alps and on the Trnovski Gozd Plateau, other stands whose top layer is dominated by willows *Salix appendiculata, S. waldsteiniana* and (or) *S. glabra* also occur on smaller areas. We described their communities, which are usually long-term successional stages, accompanied by individual *Sorbus aucuparia*, *Picea abies* or *Acer pseudoplatanus* trees. Similar communities are known also elsewhere in the Eastern Calcareous Alps and in the Dinaric Alps. Nevertheless, floristic differences between them can be significant and naming them after only one species (*Salicetum appendiculatae, Salicetum waldsteinianae, Salicetum glabrae*) is not very appropriate and can even be misleading. We therefore described two new associations, *Laserpitio peucedanoidis-Salicetum waldsteinianae* and *Homogyno sylvestris-Salicetum glabrae.* As for the large-leaved willow community in the Southeastern and the Dinaric Alps, which was first recorded in Slovenia by Gabrijel Tomažič and its description first published by Ivo Horvat, we propose a new name – *Rhododendro hirsuti-Salicetum appendiculatae*. Among the listed willows *Salix waldsteniana* is syndynamically related also to low shrub communities above the upper timberline up to the alpine belt where hairy alpenrose (*Rhododendron hirsutum*) is the dominant species. These shrub communities also overgrow shady slopes and stony soils, sometimes as contact communities with *Carex ferruginea* dominating grasslands. Despite some common diagnostic species (*Rhododendron hirsutum, Rhodothamnus chamaecistus*) they are floristically and ecologically slightly different from the communities with dominating Alpine juniper (*Juniperus alpina*) and cannot be classified within its associations (*Rhodothamno-Juniperetum alpini, Rhododendro hirsuti-Juniperetum alpinae*) or within dwarf pine communities. Some of these dwarf shrubs are tenta-

tively treated as a syntaxon *Rhododendretum hirsuti vaccinietosum myrtilli*. We have established the occurrence of the stands of the association *Dryado-Rhodothamnetum chamaecisti* that was recently described in the Dolomites also in the Julian Alps and described a new association *Heliospermo pusillae-Rhododendretum hirsuti* on the Trnovski Gozd Plateau.

All shrub communities described herein have an important protective and biotope role and are also the site of two species of European conservation concern (Čušin et al. 2004): *Eryngium alpinum* (which occurs in stands of the association *Laserpitio-Salicetum waldstenianae*) and *Primula carniolica* (in stands of associations *Rhododendro hirsuti-Salicetum appendiculatae* and *Heliospermo pusillae-Rhododendretum hirsuti*), some species protected in Slovenia (Anon. 2004): *Huperzia selago, Lycopodium annotinum*, *Cyclamen purpurascens, Leontopodium alpinum, Gentiana lutea* subsp. *symphyandra*, *G. clusii, G. pannonica, Helleborus niger, Dactylorhiza fuchsii, Coeloglossum viride, Gymnadenia conopsea, Malaxis monophyllos, Nigritella rhellicani*, *N. miniata* s. lat., *Primula auricula* and *Pinguicula alpina,* and some endemic or rare species (Dakskobler et al. 2016): *Aconitum angustifolium*, *Centaurea julica* subsp. *haynaldii*, *Geranium argenteum, Hieracium prenanthoides.*

Povzetek

Fitocenološka analiza montansko-subalpinskih vrbovih grmišč v Julijskih Alpah in Trnovskem gozdu (severozahodna in zahodna Slovenija)

Strma osojna kamnita in gruščnata pobočja in kotanje, kjer ali kamor vsako leto polzijo snežni plazovi in se sneg v njih dolgo zadržuje, so skrajna rastišča za uspevanje gozda. Čeprav sta prevladujoča tipa grmiščnega rastja na takih skrajnih rastiščih pod in na zdajšnji gozdni meji v Julijskih Alpah in v Trnovskem gozdu predvsem ruševje (*Rhodothamno-Pinetum mugo*) in deloma zelenojelševje (*Rhododendro hirsuti-Alnetum viridis*), na manjših površinah uspevajo tudi sestoji, kjer v najvišji sestojni plasti prevladujejo vrbe: *Salix appendiculata, S. waldsteiniana, S. glabra*. Opisali smo njihove združbe, ki so dolgotrajni sukcesijski stadiji, v katerih se med drevesnimi vrstami posamično pojavljajo predvsem jerebika (*Sorbus aucuparia*), le ponekod tudi smreka in gorski javor. Podobne združbe poznamo tudi drugod v karbonatnih Vzhodnih Alpah in v Dinarskem gorstvu. Ker so floristične razlike med njimi lahko precejšnje, je njihovo poimenovanje zgolj po eni vrsti (*Salicetum appendiculatae, Salicetum waldsteinianae, Salicetum glabrae*) manj primerno, lahko celo zavajajoče. Zato smo opisali novi asociaciji *Laserpitio peucedanoidis-Salicetum waldsteinianae* in *Homogyno sylvestris-Salicetum glabrae.* Za združbo velikolistne vrbe v Jugovzhodnih Alpah in Dinarskem gorstvu, ki jo je v Sloveniji prvi popisal Gabrijel Tomažič, njen opis pa prvi objavil Ivo Horvat, predlagamo novo ime *Rhododendro hirsuti-Salicetum appendiculatae*. Med tremi naštetimi vrbami je vrsta *Salix waldsteniana* sindinamsko povezana tudi z nizkimi grmišči nad zgornjo gozdno mejo vse do alpinskega pasu, v katerih prevladuje dlakavi sleč (*Rhododendron hirsutum*). Tudi ta grmišča poraščajo osojna pobočja in kamnita tla, ponekod so stična s travišči rjastorjavega šaša (*Carex ferruginea*). Kljub skupnim diagnostičnim vrstam (*Rhododendron hirsutum, Rhodothamnus chamaecistus*) so floristično in ekološko nekoliko drugačna od združb s prevladujočim sibirskim brinom (*Juniperus alpina*) in jih ne moremo uvrščati v njegovi asociaciji (*Rhodothamno-Juniperetum alpini, Rhododendro hirsuti-Juniperetum alpinae*), prav tako ne v ruševje. Nekatera od teh pritlikavih grmišč za zdaj obravnavamo v sintaksonu *Rhododendretum hirsuti vaccinietosum myrtilli*. Ugotavljamo pojavljanje sestojev asociacije *Dryado-Rhodothamnetum chamaecisti*, ki je bila nedavno opisana v Dolomitih, tudi v Julijskih Alpah in opisujemo novo asociacijo *Heliospermo pusillae-Rhododendretum hirsuti* v Trnovskem gozdu.

Vse v članku opisane grmiščne združbe imajo pomembno varovalno in biotopsko vlogo in so tudi življenjski prostor dveh evropsko varstveno pomembnih vrst (Čušin et al. 2004): *Eryngium alpinum* (raste v sestojih asociacije *Laserpitio-Salicetum waldstenianae*) in *Primula carniolica* (raste v sestojih asociacij *Rhododendro hirsuti-Salicetum appendiculatae* in *Heliospermo pusillae-Rhododendretum hirsuti*), nekaterih v Sloveniji zavarovanih vrst (Anon. 2004): *Huperzia selago, Lycopodium annotinum*, *Cyclamen purpurascens, Leontopodium alpinum, Gentiana lutea* subsp. *symphyandra*, *G. clusii, G. pannonica, Helleborus niger, Dactylorhiza fuchsii, Coeloglossum viride, Gymnadenia conopsea, Malaxis monophyllos, Nigritella rhellicani*, *N. miniata* s. lat., *Primula auricula* in *Pinguicula alpina* ter nekaterih endemitov ali redkih vrst (Dakskobler et al. 2016): *Aconitum angustifolium*, *Centaurea julica* subsp. *haynaldii*, *Geranium argenteum, Hieracium prenanthoides.*

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Table 1 (Tabela 1): *Dryado-Rhodothamnetum chamaecisti, Rhododendretum hirsuti.*

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
Database number of relevé (Delovna številka popisa)		132925	132940	200647	203540	221071	241768	249127	253976	241933	241934	245582
Author of the relevé (Avtor popisa)		BS	BS	BS	ID	ID	ID	ID	ID	ID	ID	ID
Elevation in m (Nadmorska višina v m)		1440	1460	1765	1810	1950	2110	1890	2093	2118	2115	1822
Aspect (Lega)		N	NW	N	NW	NE	N	N	NW	N	N	SE
Slope in degrees (Nagib v stopinjah)		30	30	20	25	35	40	10	30	15	35	5
Parent material (Matična podlaga)		A	A	A	Gr	A	A	DA	A	A	A	A
Soil (Tla)		Li	Li	Li	Li	Re	Li	Re	Li	Re	Re	Li
Stoniness in % (Kamnitost v %)		.	.	10	10	0	20	10	2	5	20	30
Cover of shrub layer in % (Zastiranje grmovne plasti v %)	E2	.	.	.	.	.	.	.	.	.	.	.
Cover of herb layer in % (Zastiranje zeliščne plasti v %)	E1	90	90	90	90	100	80	90	100	90	80	70
Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	.	.	1	.	.	.	.	.	.	.	.
Number of species (Število vrst)		21	15	25	30	28	28	13	19	25	30	23
Relevé area (Velikost popisne ploskve)	m^2	6	4	4	10	20	4	3	5	4	4	5
Date of taking relevé (Datum popisa)		6/25/2002	6/25/2002	6/27/2002	8/30/2002	7/11/2008	8/17/2011	6/30/2013	8/8/2014	8/29/2011	8/29/2011	6/29/2012
Locality (Nahajališče)		Veliki Šmohor	Veliki Šmohor	Velika Baba	Pihavec	Kaluder	Veliki Jelenk	Rušnati vrh	Trentski Pelc	Babanjski Skedenj	Babanjski Skedenj	Konjski vrh-Četrt
Quadrant (Kvadrant)		9748/1	9748/1	9748/1	9648/2	9648/3	9648/1	9748/4	9648/1	9646/4	9646/4	9749/4
Coordinate GK Y (D-48)	m	398980	398861	400907	408048	400500	397847	407350	401171	381852	381835	416515
Coordinate GK X (D-48)	m	5127540	5127434	5128087	5139587	5129898	5138608	5123308	5138856	5133342	5133344	5121134
Diagnostic species of the associations (Diagnostične vrste asociacije)												
RE *Rhododendron hirsutum*	E1	1	2	4	2	3	3	4	3	1	2	2
RE *Rhodothamnus chamaecistus*	E1	4	4	3	3	3	3	3	3	+	2	3
ES *Selaginella selaginoides*	E1	+	.	+	1	1	1	.	+	1	1	.
PC *Valeriana saxatilis*	E1	1	+	1	1	+	.	.	.	+	1	+
Cfir *Dryas octopetala*	E1	.	.	1	3	3	2	3	4	3	1	1
Cfir *Pedicularis rostratocapitata*	E1	.	.	.	1	1	+	+	+	1	1	+
CD *Tofieldia calyculata*	E1	1	1	.	1	1	+	.	.	.	.	+
ES *Homogyne discolor*	E1	.	.	+	1	.	1	1	1	.	.	.
MC *Saxifraga aizoides*	E1	.	.	+	1	1	.	.	+	.	.	.
CD *Pinguicula alpina*	E1	.	.	+	.	+	.	.	.	.	+	.
AC *Salix retusa*	E1	.	.	+	+	.	.	.	.	.	.	.

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
132945	203440	200793	262107	262106	202981	216466	264615	203442	203443	253717	216464	216465	253722	213477	220997	220999	233538	250047		
BS	ID	BS	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID		
1490	1750	1900	1630	1600	1790	1700	1650	1600	1630	1610	1580	1640	1585	1870	1810	1810	1920	1985		
N	N	N	N	NNW	N	N	N	NNE	N	NE	NE	SEE	NW	N	NE	N	NE	NE		
30	30	15	10	10	30	15	30	30	35	30	25	30	25	20	40	15	20	25		
A	DA	A	Gr	Gr	A	D	A	A	A	A	D	D	A	AL	A	A	DA	DA		
Li	Li	Li	Re	Li	Re	Li	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re		
.	10	.	10	5	20	5	10	20	.	5	.	5	5	5	.	.	10	.		
.	.	.	.	.	70	.	80	.	.	80	.	.	10	.	.	.	.	.		
90	100	100	90	95	60	100	80	80	100	80	100	100	90	100	100	100	90	100		
10	5	5	.	.	10	30	40	.	.	.	.	.	.	.	10	5	.	.		
46	44	45	31	21	35	35	39	50	51	40	33	43	36	21	37	36	14	21		
20	4	16	10	10	20	10	30	4	10	40	20	20	20	20	10	10	20	4		
6/25/2002	6/17/2003	7/9/2002	7/12/2016	7/12/2016	6/17/2002	7/31/2007	6/28/2016	6/17/2003	6/17/2003	7/19/2014	7/31/2007	7/31/2007	7/19/2014	7/20/2005	7/16/2008	7/16/2008	9/8/2009	9/24/2013		
Veliki Šmohor	Krasji vrh	Veliki Šmohor	Osredki-Vrata	Osredki-Vrata	Črna prst	Jerebica-Planja	Breginjski Stol	Krasji vrh-Veliki vrh	Krasji vrh-Veliki vrh	Muzec	Jerebica-Planja	Jerebica-Planja	Muzec	Čisti vrh	Lipnik	Lipnik	Macesnovec	Trenta-Plešivec		
9748/1	9747/2	9748/1	9749/4	9749/4	9749/4	9547/3	9746/2	9747/2	9747/1	9746/2	9547/3	9547/3	9746/2	9648/2	9647/4	9647/4	9549/3	9648/1		
398738	391851	399276	417143	417277	417973	390280	381243	391111	390793	378518	390363	390336	378506	404352	394990	394987	416329	401651		
5127070	5128278	5126862	5121308	5121390	5121382	5140558	5127250	5128516	5128660	5128252	5140696	5140568	5128293	5135396	5130005	5130013	5140550	5139345		
																			Pr.	Fr.
4	3	4	3	3	2	3	3	1	3	4	4	1	3	1	3	3	3	.	29	97
2	1	2	2	3	+	3	1	1	+	+	+	.	.	+	.	.	1	.	25	83
+	+	1	3	.	+	1	.	+	.	.	.	.	.	.	.	.	.	+	16	53
+	.	1	+	.	.	+	+	1	.	.	.	.	.	.	.	.	.	.	14	47
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.	+	+	.	.	+	1	+	.	.	.	.	.	.	.	.	.	.	.	7	23

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
Cfir	*Carex firma*	E1	1	1	1	2	3	+	1	2	2	1	2
Cfir	*Sesleria sphaerocephala*	E1	.	.	+	.	.	+	+	1	3	3	.
Cfir	*Phyteuma sieberi*	E1	.	.	+	.	+	.	.	+	+	.	+
SV	*Ranunculus carinthiacus*	E1	.	.	.	.	.	.	.	.	.	.	.
ES	*Anemone narcissiflora*	E1	.	.	.	.	.	.	.	.	.	.	.
OE	*Carex atrata*	E1	.	.	.	.	.	.	.	.	.	.	.
MuA	*Viola biflora*	E1	1	.	.	.	+	.	.	.	.	.	.
BA	*Salix waldsteiniana*	E2	.	.	.	.	.	.	.	.	.	.	.
VP	*Rosa pendulina*	E1	.	.	.	.	.	.	.	.	.	.	.
VP	*Luzula sylvatica*	E1	.	.	.	.	.	.	.	.	.	.	.
VP	*Vaccinium myrtillus*	E1	.	.	.	.	.	.	.	.	.	.	.
BA	*Sorbus chamaemespilus*	E2a	.	.	.	.	.	.	.	.	.	.	.
JT	*Campanula scheuchzeri*	E1	.	.	.	.	.	.	.	.	.	+	.
NS	*Festuca nigrescens*	E1	.	.	.	.	.	.	.	.	.	.	.
LV	*Empetrum hermaphroditum*	E1	.	.	.	.	.	.	.	.	.	.	.
RE	*Rhododendron x intermedium*	E1	.	.	.	.	.	.	.	.	.	.	.
RE	***Rhododendro hirsuti-Ericetalia carneae***												
	Pinus mugo	E2	.	.	+	+	.	.	.	.	.	.	.
	Erica carnea	E1	.	.	.	.	.	.	.	.	.	.	.
CFir	***Caricion firmae***												
	Salix alpina	E1	.	.	.	r	.	+	.	.	+	.	.
	Festuca quadriflora	E1	.	.	.	.	.	+	.	.	2	1	.
	Helianthemum alpestre	E1	.	.	.	.	+	.	.	+	.	.	1
	Oxytropis neglecta	E1	.	.	.	+	.	.	.	+	.	1	.
	Silene acaulis	E1	.	.	.	2	.	.	.	.	+	+	.
	Primula wulfeniana	E1	.	.	.	.	.	.	1	.	.	.	+
	Ranunculus hybridus	E1	.	.	.	.	.	.	.	.	.	.	.
OE	***Oxytropido-Elynion***												
	Lloydia serotina	E1	.	.	.	.	.	.	.	.	+	.	.
	Gentiana nivalis	E1	.	.	.	.	.	.	.	.	.	.	.
CA	***Caricion austroalpinae***												
	Laserpitium peucedanoides	E1	+	.	.	.	.	.	.	.	.	.	.
	Koeleria eriostachya	E1	.	.	.	.	.	.	.	.	.	.	.
	Pulsatilla alpina subsp. *austroalpina*	E1	.	.	.	.	.	.	.	.	.	.	.
	Festuca calva	E1	.	.	.	.	.	.	.	.	.	.	.
	Arabis vochinensis	E1	.	.	.	.	.	.	.	.	.	.	.
CF	***Caricion ferrugineae***												
	Carex ferruginea	E1	.	.	+	.	.	.	.	.	.	.	.
	Hedysarum hedysaroides	E1	.	.	.	.	1	.	.	.	.	.	.
	Knautia longifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Gentiana pumila	E1	.	.	.	.	.	.	.	.	.	+	.
	Cerastium subtriflorum	E1	.	.	.	.	.	.	.	.	.	.	.
	Pedicularis rostrato-spicata	E1	.	.	.	.	.	.	.	.	.	.	.
	Serratula macrocephala	E1	.	.	.	.	.	.	.	.	.	.	.
	Malaxis monophyllos	E1	.	.	.	.	.	.	.	.	.	.	.
SV	***Seslerietalia coeruleae***												
	Galium anisophyllum	E1	.	.	.	.	.	.	.	.	+	.	+
	Achillea clavenae	E1	.	.	.	.	.	+	+	+	+	1	.
	Juncus monanthos	E1	+	1	.	.	.	.	.	.	.	.	.
	Gentiana clusii	E1	+	.	+	+	+	.	.	.	.	.	.
	Potentilla crantzii	E1	.	.	.	.	.	.	.	.	.	.	.
	Helictotrichon parlatorei	E1	.	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
	Leucanthemum heterophyllum	E1	.	.	.	.	.	.	.	.	+	.	.
	Nigritella rubra agg. (*N. bicolor*)	E1	.	.	.	.	.	r	.	.	.	.	.
	Thesium alpinum	E1	.	.	.	.	.	.	.	.	.	.	+
	Saussurea discolor	E1	.	.	.	.	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***												
	Sesleria caerulea	E1	1	1	.	1	2	.	.	1	+	+	1
	Aster bellidiastrum	E1	1	1	+	1	1	+	1	+	1	1	.
	Bartsia alpina	E1	.	.	.	.	+	+	1	+	.	1	.
	Polygonum viviparum	E1	.	.	+	+	+	1	.	1	1	1	.
	Astrantia bavarica	E1	2	.	.	.	.	+	.	.	.	.	.
	Carex sempervirens	E1	.	.	+	.	.	.	.	.	.	.	.
	Hieracium villosum	E1	.	.	.	.	.	.	.	.	.	.	.
	Betonica alopecuros	E1	.	.	.	+	.	.	.	.	.	.	.
	Phyteuma orbiculare	E1	.	.	.	.	.	.	.	.	.	+	+
	Anthyllis vulneraria subsp. *alpestris*	E1	.	.	.	+	.	+	.	.	.	.	+
	Linum julicum	E1	+	.	.	.	.	.	.	.	.	.	.
	Pedicularis verticillata	E1	.	.	.	.	.	.	.	.	.	+	.
	Thymus praecox subsp. *polytrichus*	E1	.	.	.	.	.	.	.	.	.	.	+
	Alchemilla alpigena	E1	.	.	.	.	.	.	.	.	+	.	.
	Lotus alpinus	E1	.	.	.	.	.	.	.	.	.	.	.
	Euphrasia salisburgensis	E1	.	.	.	+	.	+	.	.	.	.	.
	Agrostis alpina	E1	.	.	.	.	.	2	.	.	1	.	.
	Polygala alpestris	E1	.	.	.	.	.	.	.	.	.	.	r
	Helianthemum nummularium subsp. *grandiflorum*	E1	.	.	.	.	.	.	.	.	.	.	.
	Campanula witasekiana	E1	.	.	.	.	.	.	.	.	.	.	.
	Nigritella rhellicani	E1	.	.	.	.	.	.	.	.	.	.	.
	Gentianella anisodonta	E1	.	.	.	.	.	.	.	.	+	.	.
	Daphne striata	E1	.	.	.	.	.	.	.	.	.	.	2
	Alchemilla fallax	E1	.	.	.	.	.	.	.	.	.	.	.
	Gentiana verna	E1	.	.	.	.	.	.	.	.	.	.	.
	Hieracium pilosum	E1	.	.	.	.	.	.	.	.	.	.	.
	Scabiosa lucida	E1	.	.	.	.	.	.	.	.	.	.	.
	Cerastium strictum	E1	.	.	.	.	.	.	.	.	.	.	.
NS	***Nardion strictae***												
	Coeloglossum viride	E1	.	.	.	+	r	+	.	.	.	+	+
	Potentilla erecta	E1	.	.	.	.	.	.	.	.	.	.	.
	Alchemilla flabellata	E1	.	.	.	.	.	.	.	.	.	.	.
	Gentiana pannonica	E1	.	.	.	.	.	.	.	.	.	.	.
JT	***Juncetea trifidi***												
	Anthoxanthum nipponicum	E1	.	.	.	.	.	.	.	.	.	.	.
	Botrychium lunaria	E1	.	.	.	.	.	.	.	.	.	.	.
	Euphrasia minima	E1	.	.	.	.	.	+	.	.	.	+	.
	Potentilla aurea	E1	.	.	.	.	.	.	.	.	.	.	.
	Leontodon helveticus	E1	.	.	.	.	.	.	.	.	.	.	.
LV	***Loiseleurio-Vaccinietea***												
	Arctostaphylos alpinus	E1	.	.	1	3	2	3	1	1	3	4	+
	Vaccinium gaultherioides	E1	.	.	.	.	+	+	.	.	.	.	.
AC	***Arabidetalia caeruleae* (inc. *Salicetea herbaceae*)**												
	Soldanella alpina	E1	.	.	.	+	+	+	.	.	.	.	.
	Ranunculus traunfellneri	E1	.	.	+	.	.	.	+	.	.	+	.
	Doronicum glaciale	E1	.	.	.	1	.	.	.	.	.	.	.
	Trifolium pallescens	E1	.	.	.	.	.	.	.	.	.	+	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
	Thlaspi minimum (*T. kerneri*)	E1	.	+	.	.	.	.	.	.	.	.	.
	Salix serpyllifolia	E1	.	.	+	.	.	.	.	.	.	.	.
	Soldanella minima	E1	.	.	+	.	.	.	.	.	.	.	.
	Carex ornithopodoides	E1	.	.	.	.	.	.	.	.	.	.	+
	Salix reticulata	E1	.	.	.	.	.	.	.	.	.	.	.
	Alchemilla fissa	E1	.	.	.	.	.	.	.	.	.	.	.
TR	***Thlaspietea rotundifolii***												
	Heliosperma alpestre	E1	.	.	1	.	.	.	.	.	.	.	.
	Biscutella laevigata	E1	.	+	.	.	.	.	.	.	.	.	.
	Rhodiola rosea	E1	.	.	.	.	.	.	.	.	.	.	.
	Aquilegia einseleana	E1	1	+	.	.	.	.	.	.	.	.	.
	Athamanta cretensis	E1	+	+	.	.	.	.	.	.	.	.	.
	Armeria alpina	E1	.	.	+	.	.	.	.	.	.	.	.
	Festuca nitida	E1	.	.	.	.	.	.	.	.	.	.	.
	Molopospermum peloponnesiacum subsp. *bauhinii*	E1	.	.	.	.	.	.	.	.	.	.	.
	Festuca laxa	E1	+	.	.	.	.	.	.	.	.	.	.
	Rumex scutatus	E1	+	.	.	.	.	.	.	.	.	.	.
	Gymnocarpium robertianum	E1	.	.	.	.	.	.	.	.	.	.	.
	Campanula cochleariifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Pimpinella alpina	E1	.	.	.	.	.	.	.	.	.	.	.
	Valeriana montana	E1	.	.	.	.	.	.	.	.	.	.	.
	Hieracium bifidum	E1	.	.	.	.	.	.	.	.	.	.	.
PS	***Physoplexido-Saxifragion petraeae***												
	Paederota lutea	E1	+	.	.	.	.	.	.	.	.	.	.
	Saxifraga crustata	E1	.	.	.	+	.	.	.	.	.	+	.
	Saxifraga squarrosa	E1	.	.	.	.	.	+	.	.	.	+	.
PC	***Potentilletalia caulescentis***												
	Primula auricula	E1	+	.	.	.	.	.	.	.	.	.	.
Cy	***Cystopteridion fragilis***												
	Carex brachystachys	E1	1	+	.	.	.	.	.	.	.	.	.
	Cystopteris regia	E1	.	+	.	.	.	.	.	.	.	.	.
AT	***Asplenietea trichomanis***												
	Asplenium viride	E1	.	+	.	.	.	.	.	.	.	.	.
	Valeriana tripteris	E1	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga paniculata	E1	.	.	.	+	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***												
	Parnassia palustris	E1	.	.	+	.	+	+	.	.	.	.	.
	Carex capillaris	E1	.	.	.	.	.	.	.	.	.	.	.
PoT	***Poo alpinae-Trisetetalia***												
	Poa alpina	E1	.	.	.	.	.	.	.	.	1	+	.
	Trollius europaeus	E1	.	.	.	.	.	.	.	.	.	.	.
	Phleum rhaeticum	E1	.	.	.	.	.	.	.	.	.	.	.
	Euphrasia picta	E1	.	.	.	.	.	.	.	.	.	.	.
	Alchemilla xanthochlora	E1	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus nemorosus	E1	.	.	.	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***												
	Lathyrus pratensis	E1	.	.	.	.	.	.	.	.	.	.	.
	Veronica chamaedrys	E1	.	.	.	.	.	.	.	.	.	.	.
	Trifolium repens	E1	.	.	.	.	.	.	.	.	.	.	.
	Leontodon hispidus	E1	.	.	.	.	.	.	.	.	.	.	.
	Dactylis glomerata	E1	.	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
	Deschampsia cespitosa	E1	.	.	.	.	.	.	.	.	.	.	.
	Trifolium pratense	E1	.	.	.	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***												
	Gymnadenia conopsea	E1	.	.	.	.	.	.	.	.	.	.	.
	Bromopsis transsilvanica		.	.	.	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***												
	Laserpitium siler	E1	.	.	.	.	.	.	.	.	.	.	.
	Libanotis sibirica subsp. *montana*	E1	.	.	.	.	.	.	.	.	.	.	.
	Polygonatum odoratum	E1	.	.	.	.	.	.	.	.	.	.	.
	Silene nutans	E1	.	.	.	.	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***												
	Geranium sylvaticum	E1	.	.	.	.	.	.	.	.	.	.	.
	Veratrum album subsp. *lobelianum*	E1	.	.	.	.	.	.	.	.	.	.	.
	Aconitum lycoctonum agg. (*A. lupicida*)	E1	.	.	.	.	.	.	.	.	.	.	.
	Hypericum maculatum	E1	.	.	.	.	.	.	.	.	.	.	.
	Aconitum angustifolium	E1	.	.	.	.	.	.	.	.	.	.	.
	Athyrium filix-femina	E1	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus platanifolius	E1	.	.	.	.	.	.	.	.	.	.	.
	Peucedanum ostruthium	E1	.	.	.	.	.	.	.	.	.	.	.
	Chaerophyllum hirsutum	E1	.	.	.	.	.	.	.	.	.	.	.
	Poa hybrida	E1	.	.	.	.	.	.	.	.	.	.	.
	Hieracium valdepilosum	E1	.	.	.	.	.	.	.	.	.	.	.
	Senecio cacaliaster	E1	.	.	.	.	.	.	.	.	.	.	.
	Polygonatum verticillatum	E1	.	.	.	.	.	.	.	.	.	.	.
	Rumex arifolius	E1	.	.	.	.	.	.	.	.	.	.	.
BA	***Betulo-Alnetea viridis***												
	Juniperus alpina	E2a	.	.	.	.	.	.	.	.	.	.	.
	Salix appendiculata	E2	.	.	.	.	.	.	.	.	.	.	.
	Salix glabra	E2	.	.	.	.	.	.	.	.	.	.	.
	Alnus viridis	E2a	.	.	.	.	.	.	.	.	.	.	.
SS	***Sambuco-Salicion capreae***												
	Sorbus aucuparia	E2a	.	.	.	.	.	.	.	.	.	.	.
	Rubus idaeus	E2a	.	.	.	.	.	.	.	.	.	.	.
	Fragaria vesca	E1	.	.	.	.	.	.	.	.	.	.	.
EP	***Erico-Pinetea***												
	Carex ornithopoda	E1	.	.	.	.	+	.	.	.	.	.	+
	Rubus saxatilis	E1	.	.	.	.	.	.	.	.	.	.	.
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	.	.	.	.	.
	Molinia caerulea subsp. *arundinacea*	E1	.	.	.	.	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***												
	Homogyne alpina	E1	.	.	.	.	2	.	.	.	1	1	.
	Vaccinium vitis-idaea	E1	.	.	.	.	.	.	.	.	.	.	1
	Clematis alpina	E2a	.	.	.	.	.	.	.	.	.	.	.
	Solidago virgaurea	E1	.	.	.	.	.	.	.	.	.	.	.
	Maianthemum bifolium	E1	.	.	.	.	.	.	.	.	.	.	.
	Huperzia selago	E1	.	.	.	.	1	.	.	+	.	.	.
	Picea abies	E2a	.	.	.	.	.	.	.	.	.	.	.
	Lycopodium annotinum	E1	.	.	.	.	.	.	.	.	.	.	.
	Polystichum lonchitis	E1	.	.	.	.	.	.	.	.	.	.	.
	Calamagrostis villosa	E1	.	.	.	.	.	.	.	.	.	.	.
	Dryopteris expansa	E1	.	.	.	.	.	.	.	.	.	.	.
	Rhododendron ferrugineum	E1	.	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
	Larix decidua	E2	.	.	.	.	.	.	.	.	.	.	.
	Aposeris foetida	E1	.	.	.	.	.	.	.	.	.	.	.
	Melampyrum sylvaticum	E1	.	.	.	.	.	.	.	.	.	.	.
	Luzula luzuloides	E1	.	.	.	.	.	.	.	.	.	.	.
	Lonicera caerulea	E2a	.	.	.	.	.	.	.	.	.	.	.
	Pyrola minor	E1	.	.	.	.	.	.	.	.	.	.	.
	Luzula luzulina	E1	.	.	.	.	.	.	.	.	.	.	.
	Oxalis acetosella	E1	.	.	.	.	.	.	.	.	.	.	.
	Dryopteris dilatata	E1	.	.	.	.	.	.	.	.	.	.	.
	Calamagrostis arundinacea	E1	.	.	.	.	.	.	.	.	.	.	.
	Hieracium murorum	E1	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga cuneifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Gymnocarpium dryopteris	E1	.	.	.	.	.	.	.	.	.	.	.
TA	***Tilio-Acerion***												
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	.	.	.	.
	Acer pseudoplatanus	E1	.	.	.	.	.	.	.	.	.	.	.
FS	***Fagetalia sylvaticae***												
	Lilium martagon	E1	.	.	.	.	.	.	.	.	.	.	.
	Dryopteris filix-mas	E1	.	.	.	.	.	.	.	.	.	.	.
	Anemone trifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Luzula nivea	E1	.	.	.	.	.	.	.	.	.	.	.
	Melica nutans	E1	.	.	.	.	.	.	.	.	.	.	.
	Daphne mezereum	E1	.	.	.	.	.	.	.	.	.	.	.
	Galium laevigatum	E1	.	.	.	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***												
	Hepatica nobilis	E1	.	.	.	.	.	.	.	.	.	.	.
	Hieracium lachenalii	E1	.	.	.	.	.	.	.	.	.	.	.
	Dactylorhiza fuchsii	E1	.	.	.	.	.	.	.	.	.	.	.
	Platanthera bifolia	E1	.	.	.	.	.	.	.	.	.	.	.
O	**Other species (Druge vrste)**												
	Festuca sp.	E1	.	.	.	1	.	.	.	.	.	.	.
	Vicia sp.	E1	.	.	.	.	.	.	.	.	.	.	.
ML	**Mosses and lichens (Mahovi in lišaji)**												
	Hylocomium splendens	E0	.	.	.	.	.	.	.	.	.	.	.
	Rhytidiadelphus triquetrus	E0	.	.	.	.	.	.	.	.	.	.	.
	Tortella tortuosa	E0	.	.	.	.	+	.	.	.	.	.	.
	Dicranum sp.	E0	.	.	.	.	.	.	.	.	.	.	.
	Tortella sp.	E0	.	.	.	+	.	+	.	.	.	.	.
	Dicranum scoparium	E0	.	.	.	.	.	.	.	.	.	.	.
	Peltigera leucophlebia	E0	.	.	.	.	.	.	.	.	.	.	.
	Rhytidiadelphus loreus	E0	.	.	.	.	.	.	.	.	.	.	.
	Cetraria islandica	E0	.	.	.	.	.	.	.	.	.	.	.
	Cladonia furcata	E0	.	.	.	.	.	.	.	.	.	.	.

Legend – Legenda

1–20 *Dryado-Rhodothamnetum chamaecisti*
21–30 *Rhododendretum hirsuti vaccinietosum myrtilli*
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % – frekvenca v %
E2a Lower shrub layer – spodnja grmovna plast

ID Igor Dakskobler
BS Boštjan Surina
A Limestone – apnenec
D Dolomite – dolomit
Gr Gravel – gruščč
L Marlstone – laporovec
Li Lithosol – kamnišče
Re Rendzina – rendzina

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Pr.	Fr.
.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	2	7
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1	.	.	.	.	+	2	2	.	+	.	.	.	.	.	1	.	.	+	7	23
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Table 2 (Tabela 2): *Laserpitio peucedanoidis-Salicetum waldsteinianae*

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14		
	Database number of relevé (Delovna številka popisa)		200808	200809	200810	200815	200816	200962	216577	212056	201863	202723	202724	203011	203007	203012		
	Author of the relevé (Avtor popisa)		BS	BS	BS	BS	BS	BS	ID	ID	TW	ID	ID	ID	ID	ID		
	Elevation in m (Nadmorska višina v m)		1620	1600	1620	1745	1745	1550	1690	1620	1870	1350	1630	1820	1590	1770		
	Aspect (Lega)		NW	NW	NW	N	N	NE	NE	N	N	NE	N	NE	N	NNE		
	Slope in degrees (Nagib v stopinjah)		25	25	20	30	30	30	30	35	30	5	20	10	35	40		
	Parent material (Matična podlaga)		A	A	A	A	A	A	A	Gr	A	DA	A	A	Gr	A		
	Soil (Tla)		Re	Re	Re	Re	Re	Re	Re	Li	Re	Li	Re	Re	Li	Re		
	Stoniness in % (Kamnitost v %)		.	.	.	.	.	.	.	20	.	10	10	20	30	30		
	Cover of shrub layer in % (Zastiranje grmovne plasti v %)	E2	90	100	100	95	100	100	80	60	100	70	80	30	30	40		
	Cover of herb layer in % (Zastiranje zeliščne plasti v %):	E1	60	50	40	10	10	70	60	50	60	60	60	70	70	90		
	Cover of moss layer in % (Zastiranje mahovne plasti v %):	E0	.	.	.	.	.	10	5	10	.	10	5	.	.	5		
	Number of species (Število vrst)		49	43	38	38	31	34	41	35	31	53	74	25	39	41		
	Relevé area (Velikost popisne ploskve)	m^2	100	50	100	20	20	25	20	20	20	6	30	5	30	20		
	Date of taking relevé (Datum popisa)		7/10/2002	7/10/2002	7/10/2002	7/29/2002	7/29/2002	8/8/2002	8/24/2007	8/8/2006	7/25/1979	8/1/2001	8/7/2001	7/27/2001	8/23/2001	7/27/2001		
	Locality (Nahajališče)		Mali Šmohor-Planina na Polju	Mali Šmohor-Planina na Polju	Mali Šmohor-Planina na Polju	Maselnik-Veliki Stador	Maselnik-Veliki Stador	Palec	Čez Brežič	Lisec	Vršič-Krnsko pogorje	Pastirjev plaz-Četrt	Lisec	Črna prst	Črna prst	Črna prst		
	Quadrant (Kvadrant)		9748/1	9748/1	9748/1	9748/1	9748/1	9748/1	9647/1	9749/4	9747/2	9749/4	9749/4	9749/4	9749/4	9749/4		
	Coordinate GK Y (D-48)	m	398742	398730	398711	399515	399514	400459	386904	418125	395057	416788	417667	418000	418245	417982		
	Coordinate GK X (D-48)	m	5126496	5126500	5126479	5123837	5123818	5124325	5138872	5121503	5129088	5121920	5122252	5121354	5121558	5121384		
	Diagnostic species of the association (Diagnostične vrste asociacije)																Pr.	Fr.
BA	*Salix waldsteiniana*	E2	4	4	5	5	5	5	5	4	3	3	2	3	2	2	14	100
CA	*Laserpitium peucedanoides*	E1	+	+	+	+	.	.	+	1	.	+	+	.	1	+	10	71
CF	*Carex ferruginea*	E1	2	2	.	1	.	.	+	3	.	1	+	.	3	3	9	64
ES	*Astrantia bavarica*	E1	+	1	+	1	.	.	+	1	.	.	+	.	1	1	9	64
BA	*Salix glabra*	E2	2	2	+	.	.	.	.	.	2	2	3	.	+	+	8	57
TR	*Rhodiola rosea*	E1	+	+	+	.	.	+	.	+	+	.	.	+	.	.	7	50
ES	*Selaginella selaginoides*	E1	+	+	.	.	.	.	.	+	.	+	.	+	1	1	7	50
CA	*Pulsatilla alpina* subsp. *austroalpina*	E1	.	+	.	+	+	.	+	.	.	.	r	.	+	.	6	43
MuA	*Aconitum angustifolium*	E1	1	1	2	+	+	+	.	.	.	.	.	.	.	.	6	43
EP	*Rhodothamnus chamaecistus*	E1	+	.	.	+	.	.	.	.	.	.	.	.	.	1	3	21
VP	*Homogyne sylvestris*	E1	.	.	.	.	.	.	.	.	.	+	r	.	.	1	3	21
CF	*Hedysarum hedysaroides*	E1	.	.	.	.	.	.	.	.	.	.	.	1	+	1	3	21

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Pr.	Fr.
	Differential species of lower units (Razlikovalne vrste nižjih enot)																	
MuA	*Saxifraga rotundifolia*	E1	+	1	2	+	1	3	+	.	.	.	.	.	.	.	7	50
MuA	*Primula elatior*	E1	1	1	+	1	1	.	+	.	.	.	.	.	.	.	6	43
PAT	*Poa alpina*	E1	+	+	1	+	2	+	+	.	.	.	.	.	.	.	7	50
PAT	*Phleum rhaeticum*	E1	+	.	+	+	+	.	+	.	.	.	.	.	.	.	5	36
BA	***Betulo-Alnetea viridis***																	
	Salix appendiculata	E2	+	.	1	+	.	.	1	+	.	2	+	.	.	.	7	50
	Sorbus chamaemespilus	E2a	.	.	.	.	.	.	.	.	2	1	1	.	+	.	4	29
	Alnus viridis	E2a	.	.	.	.	.	.	.	.	2	.	+	.	.	+	3	21
	Juniperus alpina	E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	+	2	14
	Pedicularis recutita	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	7
MuA	***Mulgedio-Aconitetea***																	
	Veratrum album subsp. *lobelianum*	E1	+	+	+	+	+	1	+	+	+	+	.	.	+	.	11	79
	Viola biflora	E1	2	2	2	2	2	+	.	1	.	.	+	.	+	+	10	71
	Chaerophyllum villarsii	E1	1	+	1	+	+	1	+	.	+	.	+	.	.	.	9	64
	Aconitum lycoctonum agg. (*A. lupicida*)	E1	1	1	2	.	1	2	1	.	.	.	+	.	.	.	7	50
	Heracleum sphondylium subsp. *montanum*	E1	.	.	.	+	1	+	+	1	.	.	+	.	+	.	7	50
	Rumex arifolius	E1	.	.	+	+	1	2	1	.	.	.	+	.	.	.	6	43
	Geranium sylvaticum	E1	.	.	.	.	.	+	1	.	1	+	+	.	.	.	5	36
	Geum rivale	E1	.	+	+	.	+	+	.	.	+	.	.	.	.	.	5	36
	Hypericum maculatum	E1	.	.	+	+	.	.	1	.	1	.	+	.	.	.	5	36
	Pleurospermum austriacum	E1	+	.	.	.	.	.	.	+	.	+	+	.	.	.	4	29
	Adenostyles alliariae	E1	.	.	.	.	.	+	+	.	.	.	+	.	.	.	3	21
	Ranunculus platanifolius	E1	.	.	.	.	.	.	.	+	.	+	+	.	.	.	3	21
	Senecio ovatus	E1	.	.	.	.	+	+	.	.	.	.	.	.	.	.	2	14
	Athyrium filix-femina	E1	.	.	.	.	+	.	.	.	.	.	+	.	.	.	2	14
	Epilobium alpestre	E1	.	.	.	.	.	1	1	.	.	.	.	.	.	.	2	14
	Senecio cacaliaster	E1	.	.	.	.	.	.	.	+	.	.	+	.	.	.	2	14
	Hieracium prenanthoides	E1	.	.	.	.	.	.	.	.	.	1	1	.	.	.	2	14
	Crepis pyrenaica	E1	.	.	.	.	.	.	.	.	.	+	+	.	.	.	2	14
	Athyrium distentifolium	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	7
	Peucedanum ostruthium	E1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	7
	Chaerophyllum hirsutum	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	7
	Tephroseris longifolia	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	7
	Eryngium alpinum	E1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	7
	Polygonatum verticillatum	E1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	7
	Aconitum degenii subsp. *paniculatum*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Carduus personata	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Crepis paludosa	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Poa hybrida	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Silene vulgaris subsp. *antelopum*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
RE	***Rhododendro hirsuti-Ericetalia carneae***																	
	Rhododendron hirsutum	E1	+	+	.	.	+	.	.	.	+	2	1	.	+	2	8	57
CFir	***Caricion firmae***																	
	Ranunculus hybridus	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	+	3	21
	Carex firma	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	+	3	21
	Pedicularis rostratocapitata	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	+	2	14
	Phyteuma sieberi	E1	.	.	.	.	.	.	.	.	.	.	.	r	.	+	2	14
	Dryas octopetala	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	7
CA	***Caricion austroalpinae***																	
	Heracleum austriacum subsp. *siifolium*	E1	+	.	.	.	.	.	.	.	.	.	r	.	.	.	2	14

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Pr.	Fr.
CF	***Caricion ferrugineae***																	
	Cerastium subtriflorum	E1	+	.	+	.	.	.	.	.	.	.	.	.	.	.	2	14
	Knautia longifolia	E1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	7
	Malaxis monophyllos	E1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	7
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Serratula macrocephala	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
SV	***Seslerietalia coeruleae***																	
	Galium anisophyllum	E1	1	1	1	1	.	.	.	.	.	.	.	+	.	.	5	36
	Juncus monanthos	E1	+	+	+	.	.	+	.	.	.	.	.	.	.	.	4	29
	Potentilla crantzii	E1	+	+	.	+	.	.	.	.	+	.	.	.	.	.	4	29
	Ranunculus carinthiacus	E1	+	+	+	.	.	.	.	.	.	.	.	.	.	.	3	21
	Helictotrichon parlatorei	E1	.	+	+	.	.	.	.	.	.	.	.	.	.	.	2	14
	Geranium argenteum	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	7
	Saussurea discolor	E1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	7
	Leontopodium alpinum	E1	.	.	.	.	.	.	.	.	.	.	.	r	.	.	1	7
	Thesium alpinum	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	7
ES	***Elyno-Seslerietea***																	
	Aster bellidiastrum	E1	1	+	.	.	.	.	.	1	.	.	+	+	1	+	7	50
	Polygonum viviparum	E1	+	+	+	1	.	.	.	+	.	.	.	1	+	.	7	50
	Betonica alopecuros	E1	+	1	1	.	+	.	.	.	+	.	.	.	1	.	6	43
	Alchemilla fallax	E1	1	+	1	+	+	.	.	.	.	.	.	.	.	.	5	36
	Alchemilla alpigena	E1	+	+	+	.	.	+	.	.	.	.	.	.	.	.	4	29
	Anemone narcissiflora	E1	.	.	.	.	.	.	.	+	.	.	.	r	+	1	4	29
	Carex sempervirens	E1	+	+	+	+	.	.	.	.	.	.	.	.	.	.	4	29
	Lotus alpinus	E1	+	1	1	.	.	.	+	.	.	.	.	.	.	.	4	29
	Sesleria caerulea	E1	+	.	.	.	.	.	.	.	.	.	.	2	.	1	3	21
	Phyteuma orbiculare	E1	.	.	.	.	.	.	.	+	.	.	.	.	+	+	3	21
	Homogyne discolor	E1	.	+	.	.	.	.	1	.	.	.	.	.	.	.	2	14
	Bartsia alpina	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	2	14
	Myosotis alpestris	E1	.	.	.	.	.	.	+	.	1	.	.	.	.	.	2	14
	Rhinanthus glacialis	E1	.	.	.	.	.	.	.	1	.	.	.	.	1	.	2	14
	Hieracium villosum	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	+	2	14
	Campanula witasekiana	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	7
	Ranunculus montanus	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	7
	Thymus praecox subsp. *polytrichus*	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	7
	Scabiosa lucida	E1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	7
	Helianthemum nummularium subsp. *grandiflorum*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Linum julicum	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	7
	Gentianella anisodonta	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	7
NS	***Nardion strictae***																	
	Potentilla erecta	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Coeloglossum viride	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	r	1	7
JT	***Juncetea trifidi***																	
	Campanula scheuchzeri	E1	.	.	.	.	.	.	.	+	.	+	+	.	+	+	5	36
	Anthoxanthum nipponicum	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
LV	***Loiseleurio-Vaccinietea***																	
	Arctostaphylos alpinus	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	1	2	14
AC	***Arabidetalia caeruleae***																	
	Soldanella alpina	E1	+	+	+	.	.	.	1	.	+	.	.	.	.	+	6	43
	Potentilla brauneana	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	7
	Trifolium pallescens	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	7

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Pr.	Fr.
TR	***Thlaspietea rotundifolii***																	
	Adenostyles glabra	E1	+	1	1	+	1	+	.	1	.	2	+	.	+	.	10	71
	Festuca nitida	E1	+	+	+	.	.	.	+	1	.	.	.	.	.	.	5	36
	Heliosperma alpestre	E1	.	+	.	.	.	.	+	.	.	.	.	.	.	+	3	21
	Valeriana montana	E1	.	.	.	.	.	.	+	+	.	+	.	.	.	.	3	21
	Biscutella laevigata	E1	+	.	.	.	.	.	.	.	.	.	.	.	+	.	2	14
	Saxifraga aizoides	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	+	2	14
	Silene vulgaris subsp. *glareosa*	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	7
	Pimpinella alpina	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	7
	Dryopteris villarii	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	7
	Astrantia carniolica	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Gymnocarpium robertianum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Campanula cochleariifolia	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	7
	Hieracium bifidum	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	7
	Athamanta cretensis	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	7
PS	***Physoplexido-Saxifragion petraeae***																	
	Paederota lutea	E1	.	+	.	.	.	.	.	.	.	+	.	.	.	.	2	14
	Saxifraga crustata	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	.	2	14
PC	***Potentilletalia caulescentis***																	
	Valeriana saxatilis	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	2	2	14
Cy	***Cystopteridion fragilis***																	
	Cystopteris fragilis	E1	.	.	.	.	+	+	.	.	+	.	.	.	.	.	3	21
	Cystopteris regia	E1	.	+	+	.	.	.	.	.	.	.	.	.	.	.	2	14
AT	***Asplenietea trichomanis***																	
	Valeriana tripteris	E1	+	.	.	+	+	+	.	+	1	.	+	.	.	.	7	50
	Asplenium viride	E1	.	+	.	.	.	.	.	1	+	+	.	.	.	.	4	29
CD	***Caricetalia davallianae***																	
	Parnassia palustris	E1	1	+	+	.	.	.	+	+	.	.	.	+	+	+	8	57
	Tofieldia calyculata	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	1	3	21
	Carex capillaris	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	7
	Pinguicula alpina	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	7
PoT	***Poo alpinae-Trisetetalia***																	
	Trollius europaeus	E1	.	.	.	+	+	.	+	.	.	+	r	.	.	.	5	36
	Cardaminopsis halleri	E1	.	.	.	+	.	.	.	.	1	.	.	.	.	.	2	14
	Pimpinella major subsp. *rubra*	E1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	7
MA	***Molinio-Arrhenatheretea***																	
	Angelica sylvestris	E1	.	.	.	.	.	+	.	+	.	+	.	.	.	.	3	21
	Dactylis glomerata	E1	.	.	.	.	.	.	+	.	+	.	1	.	.	.	3	21
	Trifolium pratense	E1	.	.	.	.	.	.	+	.	.	+	r	.	.	.	3	21
	Deschampsia cespitosa	E1	.	.	.	+	+	.	.	.	.	.	.	.	.	.	2	14
	Lathyrus pratensis	E1	.	.	.	+	+	.	.	.	.	.	.	.	.	.	2	14
	Vicia cracca	E1	.	.	.	1	+	.	.	.	.	.	.	.	.	.	2	14
	Leontodon hispidus	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	7
	Galium album	E1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	7
FB	***Festuco-Brometea***																	
	Gymnadenia conopsea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	7
TG	***Trifolio-Geranietea***																	
	Trifolium alpestre	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	7
	Bupleurum longifolium	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	7
SS	***Sambuco-Salicion capreae***																	
	Urtica dioica	E1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1	7

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Pr.	Fr.
	Sorbus aucuparia	E2a	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	7
EP	***Erico-Pinetea***																	
	Rubus saxatilis	E1	.	.	.	.	.	.	.	.	1	1	1	.	+	.	4	29
	Cirsium erisithales	E1	.	.	.	.	.	.	.	.	+	.	r	.	+	.	3	21
	Carex ornithopoda	E1	.	.	.	+	.	.	.	.	.	+	.	.	.	.	2	14
	Buphthalmum salicifolium	E1	.	.	.	.	.	.	.	.	.	.	r	.	1	.	2	14
	Calamagrostis varia	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	7
	Aquilegia nigricans	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Peucedanum austriacum subsp. *rablense*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
VP	***Vaccinio-Piceetea***																	
	Luzula sylvatica	E1	.	.	.	+	.	+	1	.	1	.	+	.	.	.	5	36
	Polystichum lonchitis	E1	.	+	.	.	.	+	.	.	+	.	+	.	.	.	4	29
	Rosa pendulina	E1	.	.	.	.	.	.	.	+	2	+	+	.	.	+	5	36
	Solidago virgaurea	E1	.	.	.	.	.	.	.	1	+	+	.	.	.	r	4	29
	Gentiana asclepiadea	E1	.	.	.	.	.	.	.	1	.	+	+	.	.	.	3	21
	Dryopteris expansa	E1	.	.	.	.	.	+	.	.	.	.	+	.	.	.	2	14
	Aposeris foetida	E1	.	.	.	.	.	.	+	.	.	.	+	.	.	.	2	14
	Vaccinium myrtillus	E1	.	.	.	.	.	.	.	.	.	+	1	.	.	.	2	14
	Maianthemum bifolium	E1	.	.	.	.	.	.	.	.	.	+	+	.	.	.	2	14
	Picea abies	E2a	.	.	.	.	.	.	.	.	.	r	.	r	.	.	2	14
	Clematis alpina	E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	+	2	14
	Vaccinium vitis-idaea	E1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	7
	Larix decidua	E2	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	7
	Pyrola minor	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	7
	Abies alba	E2	.	.	.	.	.	.	.	.	.	r	.	.	.	.	1	7
	Calamagrostis arundinacea	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Hieracium murorum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Lonicera caerulea	E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Melampyrum sylvaticum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Luzula luzuloides	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Pyrola rotundifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	7
	Huperzia selago	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	7
TA	***Tilio-Acerion***																	
	Thalictrum aquilegiifolium	E1	+	.	.	+	+	.	.	+	.	+	+	.	.	.	6	43
	Chrysosplenium alternifolium	E1	.	.	.	+	+	1	.	.	.	.	.	.	.	.	3	21
	Acer pseudoplatanus	E1	.	.	.	.	.	.	.	.	.	+	+	.	.	.	2	14
	Adoxa moschatellina	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	7
AF	***Aremonio-Fagion***																	
	Cardamine enneaphyllos	E1	+	.	+	.	.	.	.	.	.	.	.	.	.	.	2	14
	Knautia drymeia	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Rhamnus fallax	E2	.	.	.	.	.	.	.	.	.	.	r	.	.	.	1	7
FS	***Fagetalia sylvaticae***																	
	Epilobium montanum	E1	+	.	+	+	+	.	.	.	.	.	.	.	.	.	4	29
	Dryopteris filix-mas	E1	.	+	.	.	.	+	.	.	.	.	+	.	.	.	3	21
	Galeobdolon flavidum	E1	.	.	.	.	.	+	.	.	.	.	+	.	.	.	2	14
	Paris quadrifolia	E1	.	.	.	.	.	+	.	.	.	.	+	.	.	.	2	14
	Galium laevigatum	E1	.	.	.	.	.	.	.	.	.	+	1	.	.	.	2	14
	Lilium martagon	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	7
	Daphne mezereum	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	7
	Lathyrus vernus	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	7
	Melica nutans	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Pr.	Fr.
	Mercurialis perennis	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
	Poa nemoralis	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	7
QF	***Querco-Fagetea***																	
	Anemone nemorosa	E1	.	.	.	.	.	.	.	.	.	+	+	.	.	.	2	14
	Primula veris subsp. *columnae*	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	7
	Convallaria majalis	E1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	7
O	**Other species (Druge vrste)**																	
	Festuca sp.	E1	+	.	.	+	.	.	.	.	.	.	.	1	+	.	4	29
	Alchemilla sp.	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	7
	Vicia sp.	E1	.	.	.	.	.	.	.	.	.	.	r	.	.	.	1	7
	Minuartia sp.	E1	.	.	.	.	.	.	.	.	.	.	.	r	.	.	1	7
	Hieracium sp.	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	7
ML	**Mosses and lichens (Mahovi in lišaji)**																	
	Ctenidium molluscum	E0	.	.	.	.	.	.	.	2	.	+	+	.	.	.	3	21
	Rhytidiadelphus triquetrus	E0	.	.	.	.	.	.	.	.	.	1	+	.	.	.	2	14
	Tortella sp.	E0	.	.	.	.	.	.	.	.	.	.	.	.	+	+	2	14
	Pseudoleskeella catenulata	E1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	7
	Marchantia polymorpha	E0	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	7
	Dicranum scoparium	E0	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Schistidium apocarpum	E0	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7
	Tortella tortuosa	E0	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	7

Legend – Legenda

Pr. Presence (number of relevés in which the species is presented) – število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % – frekvenca v %
E2a Lower shrub layer – spodnja grmovna plast
ID Igor Dakskobler
BS Boštjan Surina
TW Tone Wraber
A Limestone – apnenec
D Dolomite– dolomit
Gr Gravel – grušč
Li Lithosol – kamnišče
Re Rendzina – rendzina

Table 3: *Laserpitio peucedanoidis-Salicetum waldstenianae* var. geogr. *Hypericum grisebachii* T. Wraber (*Hyperico grisebachii-Salicetum waldsteinianae* T. Wraber), the Snežnik Mts.

Tabela 3: *Laserpitio peucedanoidis-Salicetum waldstenianae* var. geogr. *Hypericum grisebachii* T. Wraber (*Hyperico grisebachii-Salicetum waldsteinianae* T. Wraber), Snežniško pogorje

	Number of relevé (Zaporedna številka popisa)		1	2	3	4		
	Database number of relevé (Delovna številka popisa)		265160	265163	265162	265161		
	Author of the relevé (Avtor popisa)		TW	TW	TW	TW		
	Elevation in m (Nadmorska višina v m)		1580	1610	1620	1680		
	Aspect (Lega)		N	N	W	NWW		
	Slope in degrees (Nagib v stopinjah)		25	10	10	25		
	Parent material (Matična podlaga)		A	A	A	A		
	Soil (Tla)		R	R	R	R		
	Cover of shrub and herb layer in % (Zastiranje grmovne in zeliščne plasti v %)	E2/E1	100	100	100	100		
	Number of species (Število vrst)		26	32	23	32		
	Relevé area (Velikost popisne ploskve)	m^2	20	50	20	60		
	Date of taking relevé (Datum popisa)		7/26/1994	8/10/1994	8/24/1997	8/9/1994		
	Locality (Nahajališče)		Veliki Snežnik	Veliki Snežnik-Čelo	Kindlerjev vrh	Veliki Snežnik		
	Quadrant (Kvadrant)		0452/2	0452/2	0452/2	0452/2		
	Coordinate GK Y (D-48)	m	457366	457554	457692	457087		
	Coordinate GK X (D-48)	m	5049869	5049898	5049318	5049560		
	Diagnostic species of the association (Diagnostične vrste asociacije)						Pr.	Fr.
BA	*Salix waldsteiniana*	E2a	4	5	5	4	4	100
MuA	*Hypericum richeri* subsp. *grisebachii*	E1	1	1	+	1	4	100
CA	*Laserpitium peucedanoides*	E1	1	1	.	.	2	50
CF	*Carex ferruginea*	E1	2	1	.	.	2	50
CA	*Pulsatilla alpina* subsp. *austroalpina*	E1	1	1	.	.	2	50
VP	*Homogyne sylvestris*	E1	.	1	+	.	2	50
MuA	***Mulgedio-Aconitetea***							
	Geranium sylvaticum	E1	1	1	1	1	4	100
	Veratrum album subsp. *album*	E1	1	1	.	1	3	75
	Heracleum sphondylium subsp. *montanum*	E1	+	+	.	+	3	75
	Viola biflora	E1	.	+	1	1	3	75
	Aconitum lycoctonum s. lat. (*A. lupicida*)	E1	.	1	+	.	2	50
	Allium victorialis	E1	.	+	+	.	2	50
	Crepis paludosa	E1	.	+	+	.	1	50
	Silene vulgaris subsp. *antelopum*	E1	.	1	.	+	2	50
	Doronicum austriacum	E1	.	.	1	2	2	50
	Saxifraga rotundifolia	E1	.	.	1	+	2	50
	Adenostyles alliariae	E1	.	.	.	2	1	25
	Cicerbita alpina	E1	.	.	.	1	1	25
	Rumex arifolius	E1	.	.	.	1	1	25
	Senecio ovatus	E1	.	.	.	2	1	25
	Tephroseris longifolia	E1	.	.	.	1	1	25
RE	***Rhododendro hirsuti-Ericetalia carneae***							
	Rhododendron hirsutum	E2a	+	.	.	.	1	25
CA	***Caricion austroalpinae***							
	Gentiana lutea subsp. *symphyandra*	E1	+	.	.	.	1	25
	Koeleria eriostachya	E1	.	.	.	+	1	25
ES	***Elyno-Seslerietea***							
	Campanula witasekiana	E1	+	+	.	1	3	75
	Rhinanthus glacialis	E1	.	+	.	.	1	25
	Myosotis alpestris	E1	.	.	+	.	1	25
	Homogyne discolor	E1	.	.	.	2	1	25
	Bartsia alpina	E1	.	.	.	+	1	25
	Phyteuma orbiculare	E1	.	.	.	+	1	25
	Polygonum viviparum	E1	.	.	.	+	1	25

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	Pr.	Fr.
NS	***Nardion strictae***							
	Coeloglossum viride	E1	.	.	.	+	1	25
AC	***Arabidetalia caeruleae***							
	Soldanella alpina	E1	+	1	1	1	4	100
TR	***Thlaspietea rotundifolii***							
	Festuca nitida	E1	+	.	.	.	1	25
	Rumex scutatus	E1	.	+	.	.	1	25
	Adenostyles glabra	E1	.	.	+	.	1	25
	Dryopteris villarii	E1	.	.	+	.	1	25
	Heliosperma alpestre	E1	.	.	.	+	1	25
AT	***Asplenietea trichomanis***							
	Asplenium viride	E1	+	.	+	.	2	50
	Valeriana tripteris	E1	.	+	1	.	2	50
PoT	***Poo alpinae-Trisetetalia***							
	Trollius europaeus	E1	+	1	.	+	3	75
	Festuca nigrescens	E1	.	.	.	1	1	25
MA	***Molinio-Arrhenatheretea***							
	Deschampsia cespitosa	E1	.	.	.	+	1	25
	Trifolium pratense	E1	.	.	.	+	1	25
FB	***Festuco-Brometea***							
	Gymnadenia conopsea	E1	.	+	.	.	1	25
TG	***Trifolio-Geranietea***							
	Lilium carniolicum	E1	.	+	.	.	1	25
SS	***Sambuco-Salicion capreae***							
	Rubus idaeus	E2a	.	.	.	+	1	25
EP	***Erico-Pinetea***							
	Cirsium erisithales	E1	1	2	+	+	4	100
	Rubus saxatilis	E1	1	+	1	.	3	75
	Calamagrostis varia	E1	2	3	.	.	2	50
	Buphthalmum salicifolium	E1	+	.	.	.	1	25
	Pinus mugo	E2a	.	.	.	2	1	25
VP	***Vaccinio-Piceetea***							
	Rosa pendulina	E2a	+	+	+	.	2	75
	Aposeris foetida	E1	+	2	.	.	2	50
	Polystichum lonchitis	E1	.	+	+	.	2	50
	Homogyne alpina	E1	+	.	.	.	1	25
	Solidago virgaurea	E1	+	.	.	.	1	25
AF	***Aremonio-Fagion***							
	Cardamine enneaphyllos	E1	+	.	.	.	1	25
FS	***Fagetalia sylvaticae***							
	Mercurialis perennis	E1	2	2	.	.	2	50
	Daphne mezereum	E2a	.	+	.	.	1	25
	Galeobdolon flavidum	E1	.	+	.	.	1	25
	Actaea spicata	E1	.	.	+	.	1	25
	Poa nemoralis	E1	.	.	+	.	1	25
	Myosotis sylvatica agg.	E1	.	.	.	+	1	25
QF	***Querco-Fagetea***							
	Anemone nemorosa	E1	+	1	+	.	3	75
O	**Other species (Druge vrste)**							
	Alchemilla sp.	E1	.	.	.	+	1	25

Legend – Legenda

Pr. Presence (number of relevés in which the species is presented) – število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % – frekvenca v %

E2a Lower shrub layer – spodnja grmovna plast
TW Tone Wraber
A Limestone – apnenec
Re Rendzina – rendzina

Table 4 (Tabela 4): *Heliospermo-Rhododendretum hirsuti, Homogyno sylvestris-Salicetum glabrae, Rhododendro hirsuti-Salicetum appendiculatae*

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Database number of relevé (Delovna številka popisa)		242190	263999	264000	254614	242193	203423	234497	234602	244299	246958
	Author of the relevé (Avtor popisa)		ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
	Elevation in m (Nadmorska višina v m)		1300	1125	1125	1365	1353	1080	1110	1020	940	950
	Aspect (Lega)		0	NNW	NW	0	0	NE	N	NE	NE	N
	Slope in degrees (Nagib v stopinjah)		0	45	50	0-5	0-10	25	45	30	35	45
	Parent material (Matična podlaga)		A	A	A	DA	A	DA	D	Gr	D	DA
	Soil (Tla)		Li	Re	Li	Li	Li	Re	Li	Li	Re	Li
	Stoniness in % (Kamnitost v %)		90	30	10	90	90	.	.	30	20	30
	Cover of tree layer in % (Zastiranje drevesne plasti v %)	E3	.	.	.	.	.	.	.	.	.	.
	Cover of shrub layer in % (Zastiranje grmovne plasti v %)	E2	70	70	60	60	50	40	80	90	70	50
	Cover of herb layer in % (Zastiranje zeliščne plasti v %)	E1	30	40	40	30	30	80	60	40	60	70
	Cover of moss layer in % (Zastiranje mahovne plasti v %)	E0	20	40	10	30	20	5	10	5	5	10
	Number of species (Število vrst)		41	31	28	45	33	43	57	37	27	26
	Relevé area (Velikost popisne ploskve)	m^2	100	50	50	50	100	50	50	50	100	10
	Date of taking relevé (Datum popisa)		7/18/2001	7/5/2016	7/5/2016	10/6/2014	7/18/2001	8/28/1992	8/22/2003	8/20/2003	8/10/2012	7/26/2002
	Locality (Nahajališče)		Kraljeva kamra	Paradana	Paradana	Veliki Golak	Veliki Golak	Pl. Lašca	Stanov rob-Govčenk	Poldanovec	Poldanovec	Drnova
	Quadrant (Kvadrant)		0049/1	0049/1	0049/1	0049/1	0049/1	9748/1	9948/4	9949/3	9949/3	9850/1
	Coordinate GK Y (D-48)	m	414064	410873	410875	413230	413752	401015	409032	410132	409961	424127
	Coordinate GK X (D-48)	m	5092766	5094512	5094502	5093029	5092892	5124715	5097476	5096997	5097069	5112502
	Diagnostic species of the associations (Diagnostične vrste asociacij)											
EP	*Rhododendron hirsutum*	E2a	4	4	3	4	2	1	4	3	3	3
BA	*Salix waldsteiniana*	E2a	2	2	3	1	1	.	.	.	.	.
Cy	*Carex brachystachys*	E1	+	2	+	.	r	.	.	.	.	+
CF	*Heliosperma pusillum*	E1	+	2	2	+	+	.	.	.	.	.
CD	*Carex capillaris*	E1	+	1	+	+	+	.	.	.	.	.
EP	*Rhodothamnus chamaecistus*	E1	.	1	1	1	.	+	+	.	.	.
OE	*Carex atrata*	E1	+	.	.	+	+	.	.	.	.	.
AC	*Salix retusa*	E1	1	1	.	.	+	.	.	.	.	.
MuA	*Salix glabra*	E2	1	+	+	1	.	2	4	4	4	+
EP	*Calamagrostis varia*	E1	+	.	+	.	.	2	1	2	3	+
ES	*Sesleria caerulea*	E1	.	.	.	.	.	1	1	+	+	4
EP	*Erica carnea*	E1	.	.	.	.	.	1	1	.	.	2
VP	*Homogyne sylvestris*	E1	.	.	.	.	.	+	1	1	1	.
CF	*Carex ferruginea*	E1	.	.	.	.	.	+	1	1	1	.
AF	*Cyclamen purpurascens*	E1	.	.	.	.	.	+	+	+	.	+
ES	*Betonica alopecuros*	E1	.	.	.	.	.	+	1	+	+	.

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
247016	253848	264003	264004	241068	242191	259083	259084	263998	246103	254613	258724	251415	264001	262103	248110	248112	248113		
ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID		
970	1360	1730	1650	1390	1310	1435	1445	1125	1060	1370	1330	1485	1130	1500	470	470	470		
NE	W	SW	SW	SW	SW	N	SWW	SE	NE	NE	W	NE	SW	NW	0	0	0		
35	35	20	25	30	25	25	25	45	30	30	30	60	35	30	0	0	0-10		
D	D	A	A	A	A	Gr	Gr	A	A	DA	Gr	A	A	A	Gr	Gr	Gr		
Re	Re	Re	Re	Li	Re	Re	Re	Re	Re	Re	Li	Re	Re	Re	Re	Re	Li		
30	.	10	10	90	60	20	30	20	.	10	70	40	20	40	30	20	60		
.	.	.	.	5	.	5	.	.	30	30	.	.	.	.	.	.	.		
30	60	90	80	40	80	80	80	80	70	60	60	80	80	80	80	80	70		
80	90	70	90	20	40	70	70	80	80	80	80	60	50	70	40	40	30		
5	.		.	5	10	30	20	10	10	10	20	20	20	10	70	60	40		
42	42	26	35	33	38	61	61	64	58	42	59	50	34	67	26	36	83		
100	30	50	50	100	100	100	100	100	100	100	100	50	50	100	100	100	50		
6/29/1999	8/2/2014	8/2/2016	8/2/2016	6/21/2011	7/18/2001	6/22/2015	6/22/2015	7/5/2016	5/18/2012	10/6/2014	6/11/2015	6/25/2013	7/5/2016	7/12/2016	5/1/2013	5/1/2013	7/16/2001		
Bedrova grapa	Muzec-Planjca	Bala-Osojniki	Bala-Prevala	Veliki Golak	Kraljeva kamra	Mali Golak	Mali Golak	Paradana	Vrh Hoje	Veliki Golak	Breginjski Stol-Dol	Matajur-Glava	Paradana	Črna gora-pl. Lisec	Pradol	Pradol	Pradol		
0049/1	9746/2	9648/1	9647/2	0049/1	0049/1	0049/1	0049/1	0049/1	0049/4	0049/1	9746/2	9747/3	0049/1	9749/4	9746/4	9746/4	9746/4		
415919	378288	397557	397454	413255	414081	412423	412435	410857	418548	413236	380857	387807	410876	418380	380753	381002	381145		
5094750	5127915	5139892	5139974	5093056	5092788	5093442	5093419	5094525	5088590	5093010	5127962	5119799	5094523	5121862	5120789	5120562	5120430		
																		Pr.	Fr.
1	1	r	2	3	1	4	1	+	2	+	1	2	4	4	1	.	1	27	96
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2	+	.	.	+	.	+	+	.	.	.	.	.	.	.	.	.	.	8	29
r	.	.	.	.	.	1	.	.	1	.	.	+	.	.	.	.	.	8	29
2	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	7	25
+	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	7	25
1	1	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	8	29

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
QP	*Ostrya carpinifolia*	E2b	.	.	.	.	.	+	.	+	+	.
QP	*Ostrya carpinifolia*	E2a	.	.	.	.	.	.	.	.	+	+
QP	*Ostrya carpinifolia*	E1	.	.	.	.	.	.	.	.	.	1
AF	*Knautia drymeia*	E1	.	.	.	.	.	.	1	+	+	.
TR	*Astrantia carniolica*	E1	.	.	.	.	.	1	1	+	.	.
MuA	*Salix appendiculata*	E2b	+	.	.	.	.	.	.	+	1	.
MuA	*Salix appendiculata*	E2a	+	1	.	1	+	+	.	.	.	1
PC	*Paederota lutea*	E1	1	+	1	+	1	.	1	.	.	.
AF	*Cardamine trifolia*	E1	.	.	.	+	.	.	.	.	.	.
AT	*Polypodium vulgare*	E1	.	.	.	.	+	.	.	.	.	.
TA	*Dryopteris remota*	E1	.	.	.	.	.	.	.	.	.	.
TA	*Phyllitis scolopendrium*	E1	.	.	.	.	.	.	.	.	.	.
BA	***Betulo-Alnetea viridis***											
	Ribes alpinum	E2a	.	.	.	.	.	.	.	.	.	.
	Sorbus chamaemespilus	E2	.	.	.	.	.	.	.	.	.	.
	Juniperus alpina	E2a	.	.	.	.	.	.	.	.	.	.
	Alnus viridis	E2a	.	.	.	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***											
	Viola biflora	E1	.	1	1	+	1	.	.	.	.	.
	Veratrum album subsp. lobelianum	E1	.	.	.	.	.	.	.	.	+	.
	Athyrium filix-femina	E1	.	.	.	.	.	.	.	.	.	.
	Geranium sylvaticum	E1	.	.	.	.	.	.	.	.	.	.
	Polygonatum verticillatum	E1	+	.	.	.	.	.	.	.	.	.
	Ranunculus platanifolius	E1	.	.	.	.	.	.	.	.	.	.
	Doronicum austriacum	E1	.	.	.	.	.	.	.	.	.	.
	Aconitum lycoctonum agg. (*A. lupicida*)	E1	.	.	.	.	.	.	.	.	.	.
	Saxifraga rotundifolia	E1	.	.	.	.	.	.	.	.	.	.
	Hypericum maculatum	E1	.	.	.	.	.	.	.	.	.	.
	Senecio cacaliaster	E1	.	.	.	.	.	.	.	.	.	.
	Crepis paludosa	E1	.	.	.	.	.	.	.	+	.	.
	Peucedanum ostruthium	E1	.	.	.	.	.	.	.	.	.	.
	Epilobium alpestre	E1	.	.	.	.	.	.	.	.	.	.
	Allium victorialis	E1	.	.	.	.	.	.	.	.	.	.
	Chaerophyllum hirsutum	E1	.	.	.	.	.	.	.	.	.	.
	Pleurospermum austriacum	E1	.	.	.	.	.	.	.	.	.	.
	Adenostyles alliariae	E1	.	.	.	.	.	.	.	.	.	.
	Geum rivale	E1	.	.	.	.	.	.	.	.	.	.
	Chaerophyllum villarsii	E1	.	.	.	.	.	.	.	.	.	.
	Silene dioica	E1	.	.	.	.	.	.	.	.	.	.
	Pedicularis hacquetii	E1	.	.	.	.	.	.	.	.	.	.
	Carduus personata	E1	.	.	.	.	.	.	.	.	.	.
	Myrrhis odorata	E1	.	.	.	.	.	.	.	.	.	.
	Phyteuma ovatum	E1	.	.	.	.	.	.	.	.	.	.
	Silene vulgaris subsp. antelopum	E1	.	.	.	.	.	.	.	.	.	.
RE	***Rhododendro hirsuti-Ericetalia carneae***											
	Pinus mugo	E2	.	.	.	.	+	+	.	.	.	.
CFir	***Caricion firmae***											
	Carex firma	E1	.	.	.	.	.	+	+	.	.	.
CA	***Caricion austroalpinae***											
	Laserpitium peucedanoides	E1	.	.	.	.	.	.	1	.	.	.

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Pr.	Fr.
+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	5	18
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.	.	.	.	1	+	+	1	+	+	+	.	+	1	.	.	.	.	15	54
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.	.	.	+	+	+	+	+	.	.	.	+	.	.	.	.	.	.	6	21
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.	.	.	.	.	.	+	1	+	+	.	.	+	.	1	.	.	.	6	21
.	.	.	.	.	1	1	2	2	.	.	.	.	.	+	.	.	.	5	18
.	.	2	1	.	.	.	.	.	.	.	.	+	.	1	.	.	.	4	14
.	.	.	+	.	1	.	1	.	.	.	.	.	.	+	.	.	.	4	14
.	.	1	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	3	11
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1	+	.	+	.	.	+	.	.	.	.	.	.	.	+	.	.	.	6	21

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Festuca calva	E1	.	.	.	.	.	.	.	.	.	.
	Carduus crassifolius	E1	.	.	.	.	.	.	.	.	.	.
	Centaurea haynaldii subsp. *julica*	E1	.	.	.	.	.	.	.	.	.	.
	Gentiana lutea subsp. *symphyandra*	E1	.	.	.	.	.	.	.	.	.	.
CF	***Caricion ferrugineae***											
	Knautia longifolia	E1	.	.	.	.	.	.	.	.	.	.
	Malaxis monophyllos	E1	.	.	.	.	.	+	.	.	.	.
	Serratula macrocephala	E1	.	.	.	.	.	.	.	.	.	.
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	.	.	.	.	.
	Cerastium subtriflorum	E1	.	.	.	.	.	.	.	.	.	.
SV	***Seslerietalia coeruleae***											
	Erigeron glabratus	E1	.	.	.	+	.	.	.	.	.	.
	Gentiana clusii	E1	.	.	.	.	.	.	.	.	.	.
	Leucanthemum heterophyllum	E1	.	.	.	.	.	.	.	.	.	.
	Leontopodium alpinum	E1	.	.	.	.	.	.	.	.	.	.
	Galium anisophyllum	E1	.	.	.	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***											
	Aster bellidiastrum	E1	+	.	.	1	+	.	+	.	.	.
	Campanula witasekiana	E1	+	.	.	+	+	+	+	.	.	.
	Phyteuma orbiculare	E1	.	.	.	.	.	+	.	.	.	.
	Hieracium villosum	E1	+	.	.	+	.	.	.	.	.	.
	Scabiosa lucida subsp. *stricta*	E1	.	.	.	.	.	.	.	.	.	.
	Polygonum viviparum	E1	.	.	.	.	.	.	.	.	.	.
	Thymus praecox subsp. *polytrichus*	E1	.	.	.	+	.	.	.	.	.	.
	Selaginella selaginoides	E1	.	.	.	.	.	+	.	.	.	.
	Senecio abrotanifolius	E1	.	.	.	.	.	.	+	.	.	.
	Hieracium pilosum	E1	.	.	.	.	.	.	.	.	.	.
	Carex sempervirens	E1	.	.	.	.	.	.	.	.	.	.
	Myosotis alpestris	E1	.	.	.	.	.	.	.	.	.	.
	Ranunculus montanus	E1	.	.	.	.	.	.	.	.	.	.
	Astrantia bavarica	E1	.	.	.	.	.	.	.	.	.	.
	Euphrasia salisburgensis	E1	.	.	.	.	.	.	.	.	.	.
NS	***Nardion strictae***											
	Potentilla erecta	E1	.	.	.	.	.	.	.	.	.	.
JT	***Juncetea trifidi***											
	Campanula scheuchzeri	E1	.	.	.	.	.	.	.	.	.	.
	Botrychium lunaria	E1	.	.	.	.	.	.	.	.	.	.
AC	***Arabidetalia caeruleae***											
	Salix serpyllifolia	E1	.	.	.	.	3	.	.	.	.	.
	Soldanella minima	E1	.	.	.	.	.	.	+	.	.	.
	Soldanella alpina	E1	.	.	.	.	.	.	.	.	.	.
TR	***Thlaspietea rotundifolii***											
	Adenostyles glabra	E1	.	.	.	.	.	.	r	3	3	+
	Gymnocarpium robertianum	E1	.	.	.	.	.	+	1	3	3	.
	Hieracium bifidum	E1	.	.	.	.	.	.	.	.	.	1
	Dryopteris villarii	E1	.	.	.	.	.	.	.	.	.	.
	Festuca nitida	E1	.	.	.	.	.	.	.	.	.	.
	Molopospermum peloponnesiacum subsp. *bauhinii*	E1	.	.	.	.	.	.	.	.	.	.
	Campanula cochleariifolia	E1	.	+	.	.	.	.	.	.	.	.
	Campanula cespitosa	E1	.	.	.	.	.	.	+	.	.	+

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Petasites paradoxus	E1	.	.	.	.	.	.	.	.	.	.
	Valeriana montana	E1	.	.	.	.	.	.	.	.	.	.
	Rhodiola rosea	E1	.	.	.	.	.	.	.	.	.	.
	Cystopteris montana	E1	.	.	.	.	.	.	.	.	.	.
	Geranium macrorrhizum	E1	.	.	.	.	.	.	.	.	.	.
	Rumex scutatus	E1	.	.	.	.	.	+	.	.	.	.
	Heliosperma alpestre	E1	.	.	.	.	.	+	.	.	.	.
	Saxifraga caesia	E1	.	.	.	.	.	.	+	.	.	.
	Hieracium porrifolium	E1	.	.	.	.	.	.	.	.	.	.
	Aquilegia einseleana	E1	.	.	.	.	.	.	.	.	.	.
	Arabis alpina	E1	.	.	.	.	.	.	.	.	.	.
	Hieracium caesium	E1	.	.	.	.	.	.	.	.	.	.
	Ligusticum seguieri	E1	.	.	.	.	.	.	.	.	.	.
PS	***Physoplexido-Saxifragion petraeae***											
	Campanula carnica	E1	.	.	.	.	.	+	.	.	.	.
	Phyteuma scheuchzeri subsp. *columnae*	E1	+	.	.	.	.	.	.	.	.	.
	Saxifraga crustata	E1	.	.	.	.	.	.	.	.	.	.
PC	***Potentilletalia caulescentis***											
	Valeriana saxatilis	E1	1	1	2	+	+	+	1	.	.	2
	Primula auricula	E1	.	2	.	.	.	.	.	.	.	.
Cy	***Cystopteridion fragilis***											
	Cystopteris fragilis	E1	+	+	.	.	.	.	.	.	.	.
	Cystopteris regia	E1	.	.	.	.	+	.	.	.	.	.
	Primula carniolica	E1	.	.	+	.	.	.	.	.	.	.
	Saxifraga petraea	E1	.	.	.	.	.	.	.	.	.	.
AT	***Asplenietea trichomanis***											
	Asplenium viride	E1	+	.	.	+	+	.	+	+	.	.
	Valeriana tripteris	E1	.	.	.	.	.	.	+	.	.	.
	Asplenium ruta-muraria	E1	+	.	.	+	+	.	.	.	.	.
	Asplenium trichomanes	E1	.	.	.	.	+	.	.	.	.	.
	Moehringia muscosa	E1	.	.	.	+	.	.	.	.	.	.
	Polypodium interjectum	E1	.	.	.	.	.	.	.	.	.	.
	Hieracium glaucum	E1	.	.	.	.	.	.	.	.	.	r
	Micromeria thymifolia	E1	.	.	.	.	.	.	.	.	.	.
	Ceterach javorkeanum	E1	.	.	.	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***											
	Parnassia palustris	E1	+	+	.	+	.	1	+	+	.	.
	Pinguicula alpina	E1	1	.	.	.	.	.	+	.	.	.
	Tofieldia calyculata	E1	+	.	.	.	.	.	+	.	.	+
PoT	***Poo alpinae-Trisetetalia***											
	Poa alpina	E1	.	+	.	.	+	.	.	.	.	.
	Ranunculus nemorosus	E1	.	.	.	.	.	.	.	.	.	.
	Trollius europaeus	E1	.	.	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***											
	Dactylis glomerata	E1	.	.	.	.	.	.	.	.	.	.
	Lotus corniculatus	E1	.	.	.	.	.	+	+	.	.	.
	Leontodon hispidus	E1	.	.	.	.	.	+	.	.	.	.
	Deschampsia cespitosa	E1	.	.	.	.	.	.	.	.	.	.
	Angelica sylvestris	E1	.	.	.	.	.	.	.	.	.	.
	Trifolium pratense	E1	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Taraxacum officinale	E1	.	.	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***											
	Gymnadenia conopsea	E1	.	.	.	.	.	+	+	.	.	+
	Carlina acaulis	E1	.	.	.	.	.	.	.	.	.	.
	Bromopsis transsilvanica	E1	.	.	.	.	.	.	.	.	.	.
	Carex humilis	E1	.	.	.	.	.	.	.	.	.	+
	Brachypodium rupestre	E1	.	.	.	.	.	.	.	.	.	.
	Linum catharticum	E1	.	.	.	.	.	.	.	.	.	.
	Galium verum	E1	.	.	.	.	.	.	.	.	.	.
	Koeleria pyramidata	E1	.	.	.	.	.	.	.	.	.	.
	Galium lucidum	E1	.	.	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***											
	Grafia golaka	E1	.	.	.	.	.	.	.	.	.	.
	Lilium carniolicum	E1	.	.	.	.	.	.	.	.	.	.
	Polygonatum odoratum	E1	.	.	.	.	.	.	.	.	.	.
	Laserpitium latifolium	E1	.	.	.	.	.	.	.	.	.	.
GU	***Galio-Urticetea***											
	Urtica dioica	E1	.	.	.	.	.	.	.	.	.	.
	Lamium maculatum	E1	.	.	.	.	.	.	.	.	.	.
SSC	***Sambuco-Salicion capreae, Rhamno-Prunetea***											
	Sorbus aucuparia	E3a	.	.	.	.	.	.	.	.	.	.
	Sorbus aucuparia	E2b	+	.	.	.	+	+	.	.	.	.
	Sorbus aucuparia	E2a	.	.	.	.	.	.	.	.	.	.
	Sorbus aucuparia	E1	+	.	.	.	.	.	.	.	.	.
	Juniperus communis	E2a	.	.	.	.	.	.	.	.	.	.
EA	***Epilobietea angustifolii***											
	Rubus idaeus	E2a	.	.	.	.	.	.	.	.	.	.
	Fragaria vesca	E1	.	.	.	.	.	.	.	.	.	.
	Sambucus racemosa	E2	.	.	.	.	.	.	.	.	.	.
	Hypericum hirsutum	E1	.	.	.	.	.	.	.	.	.	.
EP	***Erico-Pinetea***											
	Rubus saxatilis	E1	1	+	+	+	+	.	1	1	1	.
	Cirsium erisithales	E1	.	.	.	.	.	.	.	1	1	.
	Carex ornithopoda	E1	+	.	+	+	+	.	.	+	.	+
	Buphthalmum salicifolium	E1	.	.	.	.	.	.	+	+	.	.
	Polygala chamaebuxus	E1	.	.	.	.	.	.	+	.	.	1
	Molinia caerulea subsp. *arundinacea*	E1	.	.	.	.	.	.	.	1	+	.
	Amelanchier ovalis	E2	.	.	.	.	.	+	.	.	.	.
	Allium ericetorum	E1	.	.	.	.	.	.	+	.	.	.
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	.	.	.	r
	Aquilegia nigricans	E1	.	.	.	.	.	.	.	.	.	.
	Pinus nigra	E2a	.	.	.	.	.	.	r	.	.	.
	Leontodon incanus	E1	.	.	.	.	.	.	.	.	.	.
	Asperula aristata	E1	.	.	.	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***											
	Clematis alpina	E2a	1	+	1	+	+	1	1	+	+	.
	Rosa pendulina	E2a	.	.	.	.	.	+	+	+	+	.
	Gentiana asclepiadea	E1	.	.	.	.	.	+	1	+	+	.
	Vaccinium myrtillus	E1	.	.	.	+	.	.	.	.	.	.
	Phegopteris connectilis	E1	+	.	+	.	.	+	+	.	.	.

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.	.	.	.	+	+	1	1	1	+	+	.	1	.	+	.	.	.	13	46
.	.	1	.	.	+	1	+	+	2	+	+	+	.	1	.	3	r	13	46
.	.	.	.	.	2	2	1	2	3	+	3	+	.	+	.	.	.	13	46

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Lonicera caerulea	E2a	1	.	+	+	+	.	.	.	.	.
	Vaccinium vitis-idaea	E1	2	+	1	2	+	.	.	.	.	.
	Picea abies	E3a	.	.	.	.	.	.	.	.	.	.
	Picea abies	E2b	.	.	.	.	.	.	.	.	.	.
	Picea abies	E2a	+	+	+	.	.	.	.	.	.	1
	Picea abies	E1	.	.	.	.	.	.	.	.	.	+
	Calamagrostis arundinacea	E1	.	.	.	+	.	.	.	.	.	.
	Solidago virgaurea	E1	1	.	.	+	.	.	.	.	.	.
	Dryopteris dilatata	E1	.	.	.	+	.	.	.	.	.	.
	Gymnocarpium dryopteris	E1	.	.	.	.	.	.	.	.	.	.
	Huperzia selago	E1	.	.	1	+	.	.	.	.	.	.
	Lycopodium annotinum	E1	.	.	1	.	.	.	.	.	.	.
	Abies alba	E2b	.	.	.	.	.	.	.	.	.	.
	Abies alba	E2a	.	.	.	.	.	.	r	.	.	.
	Abies alba	E1	.	+	.	.	.	.	.	.	.	.
	Pyrola rotundifolia	E1	.	1	+	.	.	.	.	.	.	.
	Calamagrostis villosa	E1	.	.	.	+	.	.	.	.	.	.
	Veronica urticifolia	E1	.	.	.	.	.	+	.	.	.	.
	Polystichum lonchitis	E1	.	.	.	.	.	.	.	.	.	.
	Aposeris foetida	E1	.	.	.	.	.	+	.	.	.	.
	Luzula sylvatica	E1	.	.	.	.	.	.	.	.	.	.
	Dryopteris expansa	E1	.	.	.	.	.	.	.	.	.	.
	Lonicera nigra	E2a	.	.	.	.	.	.	.	.	.	.
	Saxifraga cuneifolia	E1	.	.	.	.	.	.	.	.	.	.
	Hieracium murorum	E1	.	.	.	.	.	+	+	.	.	.
	Maianthemum bifolium	E1	.	.	.	.	.	.	.	.	.	.
	Larix decidua	E2a	.	.	.	.	.	.	.	.	.	+
	Luzula luzulina	E1	.	.	.	.	.	.	.	.	.	.
	Luzula luzuloides	E1	.	.	.	.	.	.	.	.	.	.
	Melampyrum sylvaticum	E1	.	.	.	.	.	.	.	.	.	.
	Luzula pilosa	E1	.	.	.	.	.	.	.	.	.	.
	Homogyne alpina	E1	.	.	.	.	.	.	.	.	.	.
TA	***Tilio-Acerion***											
	Acer pseudoplatanus	E3a	.	.	.	.	.	.	.	.	.	.
	Acer pseudoplatanus	E2b	.	.	.	.	.	.	.	+	+	.
	Acer pseudoplatanus	E2a	.	.	.	.	.	.	.	.	+	.
	Acer pseudoplatanus	E1	+	.	.	+	.	.	+	+	.	+
	Adoxa moschatellina	E1	.	.	+	.	.	.	.	.	.	.
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	+	.	.
	Chrysosplenium alternifolium	E1	.	.	.	.	.	.	.	.	.	.
	Aruncus dioicus	E1	.	.	.	.	.	.	.	.	.	.
	Polystichum aculeatum	E1	.	.	.	.	.	.	.	.	.	.
	Tilia platyphyllos	E3a	.	.	.	.	.	.	.	.	.	.
	Polystichum braunii	E1	.	.	.	.	.	.	.	.	.	.
AF	***Aremonio-Fagion***											
	Omphalodes verna	E1	.	.	.	.	.	.	+	.	.	.
	Rhamnus fallax	E2	.	.	.	.	.	.	.	+	1	.
	Anemone trifolia	E1	.	.	.	.	.	+	.	.	.	.
	Helleborus niger	E1	.	.	.	.	.	.	1	.	.	.
	Cardamine enneaphyllos	E1	.	.	.	.	.	.	.	.	.	.

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Pr.	Fr.
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.	.	.	.	.	+	+	.	.	.	+	+	.	1	+	.	.	+	12	43
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
FS	***Fagetalia sylvaticae***											
	Lonicera alpigena	E2a	.	.	.	.	.	.	.	+	+	.
	Paris quadrifolia	E1	.	.	.	.	.	.	.	+	.	.
	Dryopteris filix-mas	E1	.	.	.	.	.	.	.	.	.	.
	Daphne mezereum	E2a	.	.	.	.	.	.	+	.	.	.
	Melica nutans	E1	.	.	.	.	.	+	.	.	.	.
	Fagus sylvatica	E2a	.	.	.	.	.	.	+	.	.	r
	Mercurialis perennis	E1	.	.	.	.	.	+	.	+	+	.
	Poa nemoralis	E1	.	.	.	+	.	.	.	.	.	.
	Actaea spicata	E1	.	.	.	.	.	.	.	.	+	.
	Symphytum tuberosum	E1	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E2b	.	.	.	.	.	+	.	+	+	.
	Fagus sylvatica	E1	.	.	.	.	.	.	+	.	.	.
	Epilobium montanum	E1	.	.	.	.	.	.	.	.	.	.
	Galeobdolon flavidum	E1	.	.	.	.	.	.	.	.	.	.
	Pulmonaria officinalis	E1	.	.	.	.	.	.	.	.	.	.
	Myosotis sylvatica agg.	E1	.	.	.	.	.	.	.	.	.	.
	Lilium martagon	E1	.	.	.	.	.	.	.	+	.	.
	Viola reichenbachiana	E1	.	.	.	.	.	.	.	.	.	.
	Galium laevigatum	E1	.	.	.	.	.	.	.	.	.	.
	Luzula nivea	E1	.	.	.	.	.	.	.	.	.	.
	Laburnum alpinum	E2	.	.	.	.	.	.	.	.	.	.
	Phyteuma spicatum subsp. *coeruleum*	E1	.	.	.	.	.	.	.	.	.	.
	Asarum europaeum subsp. *caucasicum*	E1	.	.	.	.	.	.	.	.	.	.
	Scrophularia nodosa	E1	.	.	.	.	.	.	.	.	.	.
	Lathyrus vernus	E1	.	.	.	.	.	.	.	.	.	.
	Festuca altissima	E1	.	.	.	.	.	.	.	.	.	.
	Fraxinus excelsior	E1	.	.	.	.	.	.	.	.	.	.
QP	***Quercetalia pubescenti-petraeae***											
	Oxalis acetosella	E1	.	.	.	.	.	.	.	.	.	.
	Convallaria majalis	E1	.	.	.	.	.	.	.	.	.	.
	Sorbus aria	E2	.	.	.	.	.	+	.	.	.	.
	Melittis melissophyllum	E1	.	.	.	.	.	.	.	.	.	.
	Fraxinus ornus	E2a	.	.	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***											
	Anemone nemorosa	E1	.	.	.	.	.	.	+	.	.	.
	Hepatica nobilis	E1	.	.	.	.	.	+	1	.	.	.
	Lonicera xylosteum	E2a	.	.	.	.	.	.	.	.	.	.
	Corylus avellana	E2a	.	.	.	.	.	.	.	.	.	.
	Listera ovata	E1	.	.	.	.	.	.	.	.	.	.
	Carex digitata	E1	.	.	.	.	.	.	.	.	.	.
O	**Other species (Druge vrste)**											
	Hieracium sp.	E1	+	.	.	.	.	.	.	.	.	.
	Festuca sp.	E1	.	.	.	.	.	.	.	.	.	.
ML	**Mosses and lichens (Mahovi in lišaji)**											
	Tortella tortuosa	E0	1	1	.	+	1	.	+	+	+	+
	Ctenidium molluscum	E0	.	+	.	+	.	.	+	.	.	.
	Rhytidiadelphus triquetrus	E0	+	+	1	1	1	.	1	+	.	.
	Hylocomium splendens	E0	.	1	1	.	.	.	1	.	.	.
	Dicranum scoparium	E0	.	1	1	+	.	.	.	.	.	.
	Orthothecium rufescens	E0	.	1	1	+	+	.	+	.	.	.
	Sanionia uncinata	E0	1	1	1	2	1	.	.	.	.	.

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Pr.	Fr.
.	.	.	.	+	+	+	1	+	2	+	.	+	.	.	+	+	.	12	43
.	.	.	.	.	+	.	+	1	+	+	+	+	.	.	.	.	.	8	29
.	.	.	.	r	.	+	+	1	+	1	1	.	.	.	.	.	+	8	29
.	.	1	+	.	.	+	.	+	.	.	.	.	+	+	.	.	.	7	25
.	.	.	+	.	.	+	+	+	.	.	+	.	.	1	.	.	.	7	25
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Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
Fissidens dubius	E0	.	.	.	.	.	.	+	+	+	+
Schistidium apocarpum	E0	+	.	.	+	+	.	.	.	.	.
Peltigera canina	E0	.	.	.	+	.	.	.	.	.	.
Polytrichum formosum	E0	.	.	.	+	.	.	.	.	.	.
Hypnum cupressiforme	E0	.	.	.	+	.	.	.	.	.	.
Marchantia polymorpha	E0	.	.	.	.	.	.	+	+	.	.
Mnium sp.	E0	+	.	.	.	.	.	.	.	.	.
Peltigera leucophlebia	E0	.	+	.	.	.	.	.	.	.	.
Rhytidiadelphus loreus	E0	.	.	.	.	.	.	.	.	.	.
Plagiomnium undulatum	E0	.	.	.	.	.	.	.	.	.	.
Encalypta streptocarpa	E0	+	.	.	.	.	.	.	.	.	.
Plagiochila porelloides	E0	.	.	.	+	.	.	+	.	.	.
Conocephalum conicum	E0	.	.	.	.	.	.	.	.	.	.
Pseudoleskeella catenulata	E0	.	.	.	.	.	.	.	.	.	.
Rhizomnium punctatum	E0	.	.	.	.	.	.	.	.	.	.
Mnium thomsonii	E0	.	.	.	.	.	.	.	.	.	.
Solorina saccata	E0	.	.	.	.	.	.	.	.	.	.
Neckera crispa	E0	.	.	.	.	.	.	.	.	.	.
Polytrichum sp.	E0	+	.	.	.	.	.	.	.	.	.
Musci sp.	E0	.	.	.	.	1	.	.	.	.	.
Bryum capillare	E0	.	.	.	.	.	.	.	.	.	.
Eurhynchium zetterstedtii	E0	.	.	.	.	.	.	.	.	.	.
Plagiothecium undulatum	E0	.	.	.	.	.	.	.	.	.	.
Thuidium tamariscinum	E0	.	.	.	.	.	.	.	.	.	.
Cladonia sp.	E0	.	.	.	.	.	.	.	.	.	.
Cladonia pyxidata	E0	.	.	.	.	.	.	.	.	.	.
Ditrichum flexicaule	E0	.	.	.	.	.	.	.	.	.	.
Homalothecium philippeanum	E0	.	.	.	.	.	.	.	.	.	.
Bryum sp.	E0	.	.	.	.	.	.	.	.	.	.
Dicranum sp.	E0	.	.	.	.	.	.	.	.	.	.
Homalothecium lutescens	E0	.	.	.	.	.	.	.	.	.	.
Radula sp.	E0	.	.	.	.	.	.	.	.	.	.
Cetraria islandica	E0	.	.	.	.	.	.	.	.	.	.
Cladonia fimbriata	E0	.	.	.	.	.	.	.	.	.	.
Cladonia furcata	E0	.	.	.	.	.	.	.	.	.	.
Squamarina sp.	E0	.	.	.	.	.	.	.	.	.	.

Legend – Legenda

1–5 *Heliospermo pusillae-Rhododendretum hirsuti*
6–12 *Homogyno sylvestris-Salicetum glabare*
13–28 *Rhododendro hirsuti-Salicetum appendiculatae*
Pr. Presence (number of relevés in which the species is presented) – število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % – frekvenca v %
E2a Lower shrub layer – spodnja grmovna plast
E2b Upper shrub layer – zgornja grmovna plast
ID Igor Dakskobler
A Limestone – apnenec
D Dolomite – dolomit
Gr Gravel – gruščˇ
Li Lithosol – kamnišče
Re Rendzina – rendzina

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Pr.	Fr.
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Table 5: Synthetic table of *Rhododendron hirsutum* and *Salix* spp. dominated subalpine shrubs in (SE)Alps and Dinaric Alps
Tabela 5: Sintezna preglednica subalpinskih grmišč s prevladujočimi vrstami *Rhododendron hirsutum* in *Salix* spp. v (Jugovzhodnih) Alpah in Dinarskem gorstvu

	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Author of relevés (Avtor popisov)		ESP	IDBS	IDBS	ID	LPGOCF	IDBSTW	MZVŽ	PK	PEHSJG	PK	ID	IH	PK	ID	ID	BS	DL	PK	PK
	Sign for syntaxa (Oznaka sintakonov)		DrRh	DrRhcf	DrRhsw	Rhvm	Rcja	LpSw	LpSw-hs	Sw-A	Sg-Ba	Sg-A	RhSa	RhSa-Cr	ApSaty	HpRh	HoSg	RhJa	ScSw	ApSapa	ApSaph
	Number of relevés (Število popisov)		13	11	9	10	14	14	9	14	7	12	16	10	9	5	7	22	5	12	7
RE	***Rhododendro hirsuti-Ericetalia carneae***																				
	Rhododendron hirsutum	E2a	100	100	100	90	100	57	89	79	57	100	94	30	33	100	100	100	20	.	.
	Rhodothamnus chamaecistus	E1	100	100	100	50	79	21	44	.	.	.	.	.	.	60	43	.	.	.	.
	Erica carnea	E1	46	.	.	30	64	.	33	.	57	.	19	10	.	.	71	82	20	.	.
	Pinus mugo	E2	15	18	22	40	14	.	44	29	14	.	6	30	.	20	29	14	20	.	.
	Rhododendron x *intermedium*	E1	.	.	11	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BA	***Betulo-Alnetea viridis***																				
	Salix glabra	E2	62	.	.	20	29	57	100	14	100	100	44	.	22	80	100	.	20	.	.
	Juniperus alpina	E2a	46	.	22	40	100	14	44	14		8	13	70	.	.	.	100	.	.	.
	Salix waldsteiniana	E2a	15	.	78	60	50	100	100	100	43	8	31	50	11	100	.	.	100	.	.
	Sorbus chamaemespilus	E2	8	.	11	70	86	29	11	36	.	17	25	.	67	.	.	.	.	.	.
	Salix foetida	E2	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Salix appendiculata	E2b	.	.	11	20	14	50	89	21	.	8	100	100	100	80	71	100	0	100	100
	Alnus viridis	E2a	.	.	.	10	.	21	22	29	.	.	6	.	11	.	.	.	20	67	0
	Pedicularis recutita	E1	.	.	.	.	.	7	11	.	.	.	.	.	.	.	.	.	.	.	.
	Ribes petraeum	E2a	.	.	.	.	.	.	.	7	.	.	.	.	11	.	.	.	.	.	.
	Ribes alpinum	E2a	.	.	.	.	.	.	.	.	.	.	31	30	.	.	.	.	.	.	.
CFir	***Caricion firmae***																				
	Dryas octopetala	E1	85	82	44	.	7	7	44	.	.	25	.	.	.	.	.	.	20	.	14
	Carex firma	E1	31	100	22	.	.	21	22	.	.	25	.	.	.	.	29	.	.	.	.
	Ranunculus hybridus	E1	8	.	22	.	.	21	11	.	.	.	.	.	.	.	.	.	.	.	.
	Silene acaulis	E1	8	27	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pedicularis rostratocapitata	E1	.	73	33	.	.	14	22	.	.	.	.	.	.	.	.	.	.	.	.
	Sesleria sphaerocephala	E1	.	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Phyteuma sieberi	E1	.	45	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca quadriflora	E1	.	27	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Helianthemum alpestre	E1	.	27	.	.	7	.	33	.	.	.	.	.	.	.	.	.	.	.	.
	Oxytropis neglecta	E1	.	27	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	Salix alpina	E1	.	27	22	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Primula wulfeniana	E1	.	18	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Serratula tinctoria subsp. *macrocephala*	E1	.	.	.	10	.	7	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.
OE	***Oxytropido-Elynion***																														
	Lloydia serotina	E1	8	9	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex atrata	E1	.	.	44	.	.	.	.	.	.	.	.	6	.	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Gentiana nivalis	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Antennaria carpatica	E1	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cerastium cf. *alpinum*	E1	.	.	.	.	.	.	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CA	***Caricion austroalpinae***																														
	Koeleria eriostachya	E1	31	.	22	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex austroalpina	E1	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pulsatilla alpina subsp. *austroalpina*	E1	8	.	56	10	.	43	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Laserpitium peucedanoides	E1	.	.	33	50	21	71	33	.	.	.	19	.	.	43	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Arabis vochinensis	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca calva	E1	.	.	.	30	14	.	.	.	.	.	13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Heracleum austriacum s. lat.	E1	.	.	.	.	.	14	11	14	14	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Gentiana lutea subsp. *symphyandra*	E1	.	.	.	.	.	.	11	.	.	.	6	.	.	.	.	.	54	20	.	.	.	.	.	.	.	.	.	.	.	.
	Carduus crassifolius	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Centaurea haynaldii subsp. *julica*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CF	***Caricion ferrugineae***																														
	Carex ferruginea	E1	15	9	44	10	7	64	78	71	86	83	13	.	.	71	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Helioperma pusillum	E1	8	.	.	.	.	.	.	.	.	6	.	.	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Horminum pyrenaicum	E1	8	.	.	.	43	.	.	.	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Gentiana pumila	E1	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hedysarum hedysaroides	E1	.	9	22	.	.	21	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cerastium subtriflorum	E1	.	.	11	.	.	14	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Knautia longifolia	E1	.	.	11	10	7	7	.	.	.	.	13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pedicularis rostrato-spicata	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Malaxis monophyllos	E1	.	.	.	10	.	7	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	7	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Luzula glabrata	E1	.	.	.	.	.	.	.	.	.	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SV	***Seslerietalia coeruleae***																														
	Juncus monanthos	E1	54	18	22	30	7	29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Leontopodium alpinum	E1	31	.	.	.	.	7	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Galium anisophyllum	E1	15	18	56	50	14	36	78	7	.	58	6	.	.	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.
	Leucanthemum maximum agg. (*L. heterophyllum*)	E1	15	9	.	10	.	.	.	.	29	.	.	.	.	14	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.
	Achillea clavenae	E1	8	45	44	10	.	.	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Gentiana clusii	E1	.	36	22	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Nigritella bicolor	E1	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus carinthiacus	E1	.	.	78	20	.	21	.	.	.	.	.	.	.	.	.	.	.	.	.
	Potentilla crantzii	E1	.	.	44	.	.	29	.	.	.	.	.	.	.	.	.	.	.	.	.
	Helictotrichon parlatorei	E1	.	.	11	10	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Saussurea discolor	E1	.	.	11	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Geranium argenteum	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Leucanthemum atratum	E1	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.
	Erigeron glabratus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.
	Helianthemum nitidum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	60	.	.
SJ	***Seslerietalia juncifoliae***																				
	Festuca pungens	E1	.	.	.	.	.	.	.	.	.	.	.	30	.	.	.	.	40	.	.
	Sesleria juncifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	54	.	.	.
	Scabiosa cinerea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	100	.	.
	Ranunculus scutatus (R. thora)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	80	.	.
	Alchemilla velebitica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	60	.	.
	Knautia dinarica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.
	Agrostis vranicensis (*A. rupestris* agg.)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.
	Alyssum bosniacum (*A. scardicum*)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.
	Linum extraxillare	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.
	Myosotis suaveolens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.
ES	***Elyno-Seslerietea***																				
	Polygonum viviparum	E1	69	64	89	30	36	50	44	.	29	.	13	.	.	.	.	.	60	.	.
	Bartsia alpina	E1	54	45	100	40	14	14	33	.	.	.	.	.	.	.	.	.	20	.	.
	Sesleria caerulea	E1	54	73	100	70	64	21	56	14	.	75	31	.	.	.	100	.	.	.	.
	Aster bellidiastrum	E1	46	91	89	.	7	50	67	36	43	67	25	70	22	60	29	64	.	.	.
	Selaginella selaginoides	E1	46	73	78	10	7	50	22	.	.	.	.	.	.	.	14	.	20	.	.
	Anthyllis vulneraria subsp. *alpestris*	E1	38	27	11	.	.	.	11	.	.	42	.	.	.	.	.	.	20	.	.
	Senecio abrotanifolius	E1	31	.	.	.	.	.	22	.	.	.	.	.	.	.	14	.	.	.	.
	Euphrasia salisburgensis	E1	23	18	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Lotus alpinus	E1	23	.	22	10	7	29	22	.	14	67	.	.	.	.	.	.	.	.	.
	Agrostis alpina	E1	15	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carduus defloratus agg.	E1	15	.	.	.	14	.	11	21	43	17	.	.	.	.	.	.	.	.	.
	Globularia cordifolia	E1	15	.	.	.	7	.	22	.		.	.	.	.	.	.	.	.	.	.
	Homogyne discolor	E1	15	45	33	.	.	14	.	.		.	.	.	.	.	.	.	80	.	.
	Ranunculus montanus	E1	15	.	.	.	.	7	11	36	43	36	6	.	.	.	.	.	20	.	.
	Thesium alpinum	E1	15	9	.	.	.	7	.	.	29	25	.	.	.	.	.	.	.	.	.
	Thymus praecox subsp. *polytrichus*	E1	15	9	22	10	7	7	22	7	.	25	.	.	.	20	.	.	.	.	.
	Myosotis alpestris	E1	8	.	.	.	.	14	22	.	.	.	6	.	.	.	.	.	.	.	.

	Phyteuma orbiculare	E1	8	18	22	10	7	21	44	36	.	67	13	.	11	.	29	.	60	.	.
	Polygala alpestris	E1	8	9	11	.	.	.	11	.	14	.	.	.	.	.	.	5	.	.	.
	Rhinanthus glacialis	E1	8	.	.	.	.	14	.	.	29	.	.	.	.	.	.	.	.	.	.
	Astrantia bavarica	E1	.	18	78	30	.	64	56	.	.	.	6	.	.	.	.	.	.	.	.
	Alchemilla alpigena	E1	.	9	22	.	.	29	.	.	.	.	.	.	.	.	.	.	.	.	.
	Betonica alopecuros	E1	.	9	11	30	36	43	67	.	14	58	13	.	.	.	86	.	.	.	20
	Carex sempervirens	E1	.	9	56	20	29	29	11	.	.	.	.	.	.	.	14	.	.	.	.
	Daphne striata	E1	.	9	.	.	14	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Gentianella anisodonta	E1	.	9	.	.	.	7	11	.	.	.	.	.	.	.	.	.	.	.	.
	Linum julicum	E1	.	9	33	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pedicularis verticillata	E1	.	9	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Anemone narcissiflora	E1	.	.	56	.	14	29	11	.	.	.	.	.	.	.	.	.	60	.	.
	Hieracium villosum	E1	.	.	44	20	.	14	11	.	.	.	6	.	.	40	.	.	.	.	.
	Helianthemum nummularium subsp. *grandiflorum*	E1	.	.	22	.	14	7	.	.	.	33	.	.	.	.	.	.	.	.	.
	Alchemilla fallax	E1	.	.	11	.	.	36	.	.	.	.	.	.	.	.	.	.	.	.	.
	Gentiana verna	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hieracium pilosum	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Campanula witasekiana	E1	.	.	.	20	.	7	.	.	.	.	6	.	.	60	43	.	.	.	.
	Nigritella rhellicani	E1	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cerastium strictum	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hieracium valdepilosum	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Scabiosa lucida subsp. *lucida*	E1	.	.	.	10	7	7	11	21	71	42	.	.	11	.	.	.	.	.	.
	Acinos alpinus	E1	.	.	.	.	.	.	22	.	.	50	.	.	.	.	.	.	.	.	.
	Alchemilla hoppeana	E1	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.	.
	Ligusticum mutellina	E1	.	.	.	.	.	.	.	21	29	8	.	.	11	.	.	.	.	.	.
	Globularia nudicaulis	E1	.	.	.	.	.	.	.	.	29	33	.	.	.	.	.	.	.	.	.
	Polygala amara	E1	.	.	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.
	Scabiosa lucida subsp. *stricta*	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	14	.	.	.	.
	Viola zoysii	E1	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***																				
	Tofieldia calyculata	E1	69	55	44	.	7	21	33	7	29	50	.	.	.	20	57	.	.	.	.
	Parnassia palustris	E1	15	27	56	10	.	57	22	.	43	.	.	.	.	60	57	.	20	8	.
	Pinguicula alpina	E1	15	27	56	.	7	7	22	.	.	.	6	.	.	20	43	.	.	.	.
	Pinguicula leptoceras	E1	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex capillaris	E1	.	.	11	.	.	7	.	.	.	.	6	.	.	100	.	.	.	.	.
	Sesleria uliginosa	E1	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MC	***Montio-Cardaminetea***																				
	Saxifraga aizoides	E1	15	36	44	.	.	14	22	.	.	.	.	.	.	.	.	.	20	.	.
	Cardamine amara	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	86

Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
MuA ***Mulgedio-Aconitetea***																				
Geranium sylvaticum	E1	8	.	11	40	43	36	78	93	71	33	38	.	89	.	.	.	80	8	.
Viola biflora	E1	8	18	89	40	36	71	78	100	100	83	63	50	44	80	.	5	.	33	14
Aconitum angustifolium	E1	.	.	11	10	.	43	.	.	.	.	.	.	.	.	.	.	.	.	.
Veratrum album s. lat.	E1	.	.	22	30	.	79	55	57	14	.	63	90	44	.	14	5	40	.	.
Aconitum lycoctonum agg. (*A. lupicida*)	E1	.	.	11	30	.	50	78	21	29	42	25	50	67	.	.	5	.	50	.
Athyrium filix-femina	E1	.	.	11	10	.	14	44	21	.	.	50	.	11	.	.	.	.	42	.
Hypericum maculatum	E1	.	.	.	30	29	36	67	57	43	25	19	.	33	.	.	5	.	25	.
Chaerophyllum hirsutum	E1	.	.	.	20	.	7	67	21	14	42	13	.	.	.	.	.	.	.	.
Peucedanum ostruthium	E1	.	.	.	20	14	7	.	21	.	8	13	.	11	.	.	9	.	17	.
Ranunculus platanifolius	E1	.	.	.	20	.	21	44	.	.	.	38	10	22	.	.	.	.	33	29
Poa hybrida	E1	.	.	.	10	.	7	.	.	14	8	.	.	44	.	.	.	.	.	.
Polygonatum verticillatum	E1	.	.	.	10	.	7	33	29	.	17	31	50	89	20	.	.	20	.	.
Rumex arifolius (*R. alpestris*)	E1	.	.	.	10	7	43	.	21	.	.	.	.	33	.	.	.	20	17	.
Senecio cacaliaster	E1	.	.	.	10	.	14	.	.	.	.	19	.	.	.	.	.	.	58	.
Aconitum tauricum	E1	.	.	.	.	21	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Saxifraga rotundifolia	E1	.	.	.	.	14	50	33	86	14	17	25	.	56	.	.	.	20	58	57
Chaerophyllum villarsii	E1	.	.	.	.	7	64	.	14	14	.	6	.	.	.	.	.	.	.	.
Geum rivale	E1	.	.	.	.	7	36	56	36	.	.	13	.	56	.	.	.	.	.	14
Heracleum shondylium subsp. *montanum* (inc. subsp. *H. pollinianum*)	E1	.	.	.	.	.	50	22	.	.	8	.	.	78	.	.	.	.	8	.
Primula elatior	E1	.	.	.	.	.	43	11	14	29	8	.	.	44	.	.	.	20	.	.
Pleurospermum austriacum	E1	.	.	.	.	.	29	22	.	.	.	13	.	.	.	.	5	.	.	.
Adenostyles alliariae	E1	.	.	.	.	.	21	44	50	.	50	13	10	89	.	.	.	.	.	.
Crepis pyrenaica	E1	.	.	.	.	.	14	.	7	14	8	.	.	22	.	.	.	.	.	.
Epilobium alpestre	E1	.	.	.	.	.	14	11	21	.	.	13	.	11	.	.	.	.	.	.
Hieracium prenanthoides	E1	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
Senecio ovatus	E1	.	.	.	.	.	14	44	21	14	8	.	.	56	.	.	.	.	58	57
Aconitum degenii subsp. *paniculatum*	E1	.	.	.	.	.	7	.	.	.	.	.	.	0	.	.	.	.	.	.
Carduus personata	E1	.	.	.	.	.	7	.	.	.	.	6	.	11	.	.	.	.	50	.
Crepis paludosa	E1	.	.	.	.	.	7	11	.	14	.	6	.	78	.	14	.	.	17	.
Eryngium alpinum	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
Silene vulgaris subsp. *antelopum*	E1	.	.	.	.	.	7	.	29	14	58	6	.	.	.	.	.	.	17	.
Tephroseris longifolia	E1	.	.	.	.	.	7	33	.	.	.	.	.	.	.	.	5	.	.	.
Athyrium distentifolium	E1	.	.	.	.	.	7	.	7	14	.	.	.	11	.	.	.	.	.	.
Centaurea montana	E1	.	.	.	.	.	.	33	7	14	.	.	.	22	.	.	.	.	.	.
Doronicum austriacum	E1	.	.	.	.	.	.	33	.	.	.	31	50	.	.	.	.	.	25	.
Cicerbita alpina	E1	.	.	.	.	.	.	22	7	.	.	.	.	22	.	.	.	.	25	.
Cirsium wladsteinii	E1	.	.	.	.	.	.	22	.	.	.	.	.	.	.	.	.	20	.	.

Myrrhis odorata	E1	.	.	.	.	.	.	22	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Allium victorialis	E1	.	.	.	.	.	.	11	7	.	.	13	30	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Silene dioica	E1	.	.	.	.	.	.	11	14	.	.	6	.	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	33	.	.
Knautia dispacifolia (*K. maxima*)	E1	.	.	.	.	.	.	.	36	100	42	.	.	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	.	.
Aconitum napellus agg.	E1	.	.	.	.	.	.	.	29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stellaria nemorum	E1	.	.	.	.	.	.	.	14	.	.	.	.	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	75	29	.
Aconitum variegatum agg.	E1	.	.	.	.	.	.	.	7	.	.	.	.	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Alchemilla pallens	E1	.	.	.	.	.	.	.	.	29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Euphorbia austriaca	E1	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Senecio subalpinus	E1	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pedicularis hacquetii	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phyteuma ovatum	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hypericum richeri subsp. *grisebachii* (inc. *H. alpigenum*)	E1	.	.	.	.	.	.	.	.	.	.	.	70	.	.	.	.	.	.	.	.	.	.	.	.	.	.	100	.	.	.	.
Carduus carduelis	E1	.	.	.	.	.	.	.	.	.	.	.	30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.
Senecio nemorensis	E1	.	.	.	.	.	.	.	.	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Doronicum columnae	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.	.	.
Laser trilobum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.	.	.
Pancicia serbica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.
Milium effusum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.	.
NS **Nardion strictae**																																
Potentilla erecta	E1	31	.	.	20	7	7	11	14	29	33	.	.	11	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Festuca nigrescens (*F. rubra* agg.)	E1	8	.	11	70	21	.	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.	.	.	.
Coeloglossum viride	E1	.	45	33	10	.	7	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Alchemilla flabellata	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gentiana pannonica	E1	.	.	.	10	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Galium pumilum	E1	.	.	.	.	7	.	.	21	.	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Agrostis tenuis	E1	.	.	.	.	.	.	11	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rumex acetosella	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
JT ***Juncetea trifidi***																																
Campanula scheuchzeri	E1	46	9	11	80	14	36	56	43	14	42	19	.	.	.	.	18	40	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Anthoxanthum nipponicum (*A. odoratum* agg.)	E1	8	.	56	60	21	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Euphrasia minima	E1	.	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Solidago virgaurea subsp. *minuta*	E1	.	.	22	40	.	29	.	.	43	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Botrychium lunaria	E1	.	.	.	30	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Leontodon helveticus	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Potentilla aurea	E1	.	.	.	10	7	.	.	.	.	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Carex curvula ?	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crepis conyzifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.	.
Gentiana punctata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.

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	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
LV	***Loiseleurio-Vaccinietea***																				
	Arctostaphylos alpinus	E1	38	82	44	20	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vaccinium gaultherioides	E1	.	18	11	30	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Empetrum hermaphroditum	E1	.	.	.	30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AC	***Arabidetalia caeruleae* (inc. *Salicetea herbaceae*)**																				
	Soldanella alpina	E1	23	27	22	10	.	43	11	43	57	75	6	.	11	.	.	.	40	.	.
	Alchemilla oxyloba	E1	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Soldanella minima	E1	15	9	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Salix retusa	E1	8	18	56	.	7	.	11	.	.	.	.	.	.	60	.	.	20	.	.
	Ranunculus traunfellneri	E1	.	27	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Trifolium pallescens	E1	.	9	.	10	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex ornithopodoides	E1	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Doronicum glaciale	E1	.	9	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Salix serpyllifolia	E1	.	9	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.
	Thlaspi minimum (*T. kerneri*)	E1	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Salix reticulata	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Alchemilla fissa	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Potentilla brauneana	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Sedum magellense	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.
TR	***Thlaspietea rotundifolii***																				
	Biscutella laevigata	E1	38	9	22	10	7	14	11	7	.	67	.	.	.	.	.	23	20	.	.
	Hieracium bifidum	E1	31	.	.	10	29	7	.	.	.	33	19	.	.	.	29	.	.	.	.
	Adenostyles glabra	E1	8	.	.	.	14	71	78	14	57	.	44	.	44	.	71	36	.	.	.
	Athamanta cretensis	E1	8	18	.	.	.	7	22	.	.	.	.	.	.	.	.	45	.	.	.
	Crepis froelichiana	E1	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Rumex scutatus	E1	8	9	.	.	.	.	33	.	.	42	.	.	.	.	14	.	.	.	.
	Aquilegia einseleana	E1	.	18	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Heliosperma alpestre	E1	.	9	22	40	.	21	44	.	14	.	.	.	.	.	14	.	.	.	.
	Armeria alpina	E1	.	9	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca laxa	E1	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Rhodiola rosea	E1	.	.	22	10	.	50	22	.	.	.	13	.	.	.	.	.	.	.	.
	Campanula cochleariifolia	E1	.	.	11	.	7	7	33	.	.	.	6	.	.	20	.	77	.	.	.
	Festuca nitida	E1	.	.	11	10	.	36	.	.	.	.	19	.	.	.	.	5	.	.	.
	Gymnocarpium robertianum	E1	.	.	11	.	.	7	.	.	.	.	25	.	33	.	57	54	.	.	14
	Molopospermum peloponnesiacum subsp. *bauhinii*	E1	.	.	.	20	.	.	.	.	.	.	19	.	.	.	.	.	.	.	.
	Pimpinella alpina	E1	.	.	.	10	21	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Valeriana montana	E1	.	.	.	10	7	21	.	64	71	50	13	.	11	.	.	14	80	.	.
	Dryopteris villarii	E1	.	.	.	.	7	7	.	.	.	.	31	.	.	.	.	.	.	.	.

	Doronicum grandiflorum	E1	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Silene vulgaris subsp. *glareosa*	E1	.	.	.	.	.	7	11	.	57	.	.	.	.	.	.	.	.	.	.
	Astrantia carniolica	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	43	.	.	.	.
	Gypsophila repens	E1	.	.	.	.	.	.	33	.	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga caesia	E1	.	.	.	.	.	.	22	.	.	.	.	.	.	.	14	.	.	.	.
	Dianthus sternbergii	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Arabis alpina (inc. *A. flavescens*)	E1	.	.	.	.	.	.	.	.	.	8	6	.	.	.	.	.	60	.	43
	Cystopteris montana	E1	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.
	Geranium macrorrhizum	E1	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.
	Hieracium caesium	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Ligusticum seguieri	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	5	.	.	.
	Petasites paradoxus	E1	.	.	.	.	.	.	.	.	28	.	.	.	.	.	29	5	.	.	.
	Campanula cespitosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29	.	.	.	.
	Hieracium porrifolium	E1	.	,	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Aquilegia kitabeliana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.
	Scrophularia laciniata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
	Trisetum argenteum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
	Asplenium fissum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
	Dryopteris submontana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
	Cardamine glauca	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.
PS	***Physoplexido comosae-Saxifragion petraeae***																				
	Primula spectabilis	E1	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Primula tyrolensis	E1	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga crustata	E1	.	18	11	.	.	14	33	.	.	.	6	.	.	.	.	.	.	.	.
	Saxifraga squarrosa	E1	.	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Paederota lutea	E1	.	9	22	.	.	14	44	.	.	.	56	.	.	100	14	.	.	.	.
	Campanula zoysii	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Potentilla nitida	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Campanula carnica	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	14	.	.	.	.
	Phyteuma scheuchzeri subsp. *columnae*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.
	Daphne alpina subsp. *scopoliana*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	32	.	.	.
	Campanula justiniana	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.
PC	***Potentilletalia caulescentis***																				
	Valeriana saxatilis	E1	38	73	67	.	.	14	44	.	.	.	25	.	.	100	71	.	.	.	.
	Primula auricula	E1	8	9	.	.	.	.	11	.	.	.	6	.	.	20	.	.	.	.	.
Cy	***Cystopteridion fragilis***																				
	Carex brachystachys	E1	.	18	.	.	.	.	.	.	.	.	19	.	43	80	14	23	.	43	.
	Cystopteris regia	E1	.	9	.	.	.	14	.	.	.	.	13	.	.	20	.	.	.	.	.
	Cystopteris fragilis	E1	.	.	.	.	.	21	11	.	.	.	44	.	.	40	.	5	20	.	.

	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Primula carniolica	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	20	.	.	.	.	.
	Saxifraga petraea	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
AT	***Asplenietea trichomanis***																				
	Valeriana tripteris	E1	23	.	11	10	43	50	78	14	14	42	50	30	11	.	14	27	20	.	.
	Asplenium viride	E1	15	9	44	.	.	29	22	21	29	8	69	30	11	60	29	18	.	.	.
	Saxifraga paniculata	E1	8	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.
	Asplenium ruta-muraria	E1	8	.	.	.	.	.	.	.	.	.	13	.	.	60	.	27	.	.	.
	Asplenium trichomanes	E1	8	.	.	.	.	.	22	.	.	.	25	.	.	20	.	.	.	.	.
	Silene rupestris	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Polypodium vulgare	E1	.	.	.	.	.	.	.	.	.	.	19	.	.	20	.	.	.	.	.
	Polypodium interjectum	E1	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.
	Moehringia muscosa	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	20	.	.	.	.	.
	Micromeria thymifolia	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Ceterach javorkeanum	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Hieracium glaucum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Hieracium bupleuroides	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	.	.	.
	Kernera saxatilis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
	Sedum hispanicum	E1	.	.	.	.	.	.	.	.		.	.	.	.	.	.	.	20	.	.
	Cardaminopisi arenosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43
PoT	***Poo alpinae-Trisetetalia***																				
	Alchemilla monticola	E1	23	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Poa alpina	E1	15	18	33	10	7	59	44	21	.	33	19	10	.	40	.	.	.	8	.
	Crocus albiflorus	E1	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Euphrasia picta	E1	.	.	11	.	.	.	.	.	.	50	.	.	.	.	.	.	.	.	.
	Phleum rhaeticum	E1	.	.	11	10	.	36	11	.	.	.	.	.	.	.	.	.	.	.	.
	Trollius europaeus	E1	.	.	11	40	7	36	44	7	14	25	6	.	11	.	.	.	.	8	.
	Alchemilla xanthochlora	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus nemorosus	E1	.	.	.	10	.	.	22	29	14	58	6	.	11	.	.	.	.	8	.
	Cardaminopsis halleri s. lat.	E1	.	.	.	.	.	14	11	.	14	.	.	.	.	.	.	.	.	.	.
	Pimpinella major (*inc.* subsp. *rubra*)	E1	.	.	.	.	.	7	.	.	71	.	.	.	.	.	.	.	.	.	.
	Astrantia major	E1	.	.	.	.	.	.	.	.	43	8	.	.	33	.	.	.	20	.	14
	Polygonum bistorta	E1	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***																				
	Trifolium pratense	E1	8	.	.	10	.	21	.	7	14	25	6	.	.	.	.	.	.	.	.
	Leontodon hispidus	E1	.	.	11	.	.	7	33	.	43	50	.	.	.	.	14	5	.	.	.
	Trifolium repens	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Veronica chamaedrys	E1	.	.	11	.	7	.	11	7	.	.	.	.	11	.	.	.	20	25	.
	Lathyrus pratensis	E1	.	.	.	20	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.

	Dactylis glomerata	E1	.	.	.	10	.	21	.	.	.	13	.	.	.	.	.	.	.	.	25	.
	Deschampsia cespitosa	E1	.	.	.	10	.	14	11	21	29	.	6	.	11	.	.	.	.	.	.	86
	Angelica sylvestris	E1	.	.	.	.	.	21	22	.	.	.	6	.	44	.	.	.	.	50	43	
	Vicia cracca	E1	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Galium album (*G. mollugo* agg.)	E1	.	.	.	.	.	7	11	.	.	.	.	.	.	.	9	60	.	.	.	
	Festuca rubra	E1	.	.	.	.	.	.	44	.	.	.	.	.	.	.	.	.	.	.	.	
	Agrostis stolonifera agg.	E1	.	.	.	.	.	.	.	7	.	8	.	.	.	.	.	.	.	.	.	
	Taraxacum officinale	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	
	Valeriana officinalis agg.	E1	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.	.	.	17	29	
	Lotus corniculatus	E1	.	.	.	.	.	.	.	.	14	.	.	.	.	.	29	.	.	.	.	
	Achillea millefolium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	8	.	
	Gentianella amarella (*G. crispata*)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	
	Ranunculus repens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	.	
	Caltha palustris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29	
FB	***Festuco-Brometea***																					
	Festuca rupicola	E1	38	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	Gymnadenia conopsea	E1	8	.	11	.	.	7	11	.	.	.	10	.	.	43	5	.	.	.	.	
	Bromopsis transsilvanica	E1	.	.	.	10	.	.	.	.	.	.	6	.	.	14	.	.	.	.	.	
	Prunella grandiflora	E1	.	.	.	.	7	.	11	.	.	.	.	.	.	.	.	.	.	.	.	
	Helictotrichon praeustum	E1	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	Koeleria pyramidata	E1	.	.	.	.	.	.	33	.	.	.	6	.	.	.	.	.	.	.	.	
	Linum catharticum	E1	.	.	.	.	.	.	11	.	14	.	.	.	.	14	.	.	.	.	.	
	Galium lucidum	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	41	.	.	.	.	
	Carlina acaulis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	29	.	.	.	.	.	
	Brachypodium rupestre	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	
	Carex humilis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	
	Galium verum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	
	Thesium linophyllum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	68	.	.	.	.	
	Teucrium montanum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	
	Thlaspi perfoliatum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	40	.	.	.	
	Koeleria splendens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	
TG	***Trifolio-Geranietea***																					
	Laserpitium siler	E1	.	.	11	10	.	.	.	.	.	.	.	.	.	.	32	.	.	.	.	
	Polygonatum odoratum	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	
	Seseli montanum	E1	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	Silene nutans	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
	Bupleurum longifolium	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	
	Trifolium alpestre	E1	.	.	.	.	.	7	11	.	.	.	.	.	.	.	.	.	.	.	.	
	Thesium bavarum	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	

	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Grafia golaka	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	14	.	.	.	.
	Laserpitium latifolium	E1	.	.	.	.	.	.	.	.	29	.	6	.	.	.	.	18	.	.	.
	Lilium carniolicum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Ruta divaricata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
SS	***Sambuco-Salicion capreae, Rhamno-Prunetea***																				
	Rubus idaeus	E2a	.	.	11	10	.	.	22	7	.	.	63	.	22	.	.	.	.	75	.
	Sorbus aucuparia	E3a	.	.	.	.	.	.	.	.	.	.	19	.	.	.	.	.	.	.	.
	Sorbus aucuparia	E2	.	.	22	10	14	7	11	29	.	.	56	50	89	40	14	.	.	67	14
	Juniperus communis	E2a	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Sambucus racemosa	E2	.	.	.	.	.	.	.	.	.	.	13	.	11	.	.	.	.	50	.
	Betula pendula	E2	.	.	.	.	.	.	.	.	.	.	.	.	11	.	.	.	.	33	.
	Cotoneaster integerrimus	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	49	.	.	.
FC	***Filipendulo-Convolvuletea***																				
	Angelica arhangelica	E1	.	.	.	.	.	.	.	.	.	.	.	50	.	.	.	.	.	.	.
	Mentha longifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	56	.	.	.	.	.	43
	Phalaris arundinacea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	71
	Epilobium roseum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29
GU	***Galio-Urticetea, Stellarietea mediae***																				
	Urtica dioica	E1	.	.	.	.	.	7	.	.	.	.	38	.	.	.	.	.	.	.	.
	Lamium maculatum	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Galeopsis tetrahit	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	.
	Petasites hybridus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	71
EA	***Epilobietea angustifolii***																				
	Fragaria vesca	E1	8	.	.	10	.	.	11	21	.	.	19	.	11	.	.	14	.	42	.
	Bromus ramosus	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Tussilago farfara	E1	.	.	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	8	.
	Hypericum hirsutum	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Eupatorium cannabinum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29
EP	***Erico-Pinetea***																				
	Calamagrostis varia	E1	31	.	.	.	43	7	.	43	57	17	31	.	56	40	100	100	.	.	.
	Rubus saxatilis	E1	31	.	11	20	36	29	33	29	43	25	56	.	67	100	43	59	40	.	.
	Carex ornithopoda	E1	15	18	44	10	.	14	.	.	.	.	6	.	.	80	29	.	.	.	.
	Chamaecytisus hirsutus	E1	.	.	.	10	.	.	.	.	.	.	.	.	56	.	29	.	.	33	86
	Molinia caerulea subsp. *arundinacea*	E1	.	.	.	10	.	.	11	.	.	.	.	.	11	.	43	.	.	.	.
	Carex alba	E1	.	.	.	.	9	.	.	.	.	.	.	10	.	.	.	.	.	.	.
	Crepis slovenica	E1	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cirsium erisithales	E1	.	.	.	.	.	21	33	.	.	.	31	30	.	.	57	59	.	.	.
	Buphthalmum salicifolium	E1	.	.	.	.	.	14	44	.	29	.	6	.	.	.	57	45	.	.	.

	Aquilegia nigricans	E1	.	.	.	.	.	7	33	.	.	.	13	90	.	.	.	23	20	.	.	.	.	.	.	.	.	.	.	.
	Peucedanum austriacum s. lat.	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.	.	.	.	.	.	.	.
	Aquilegia atrata	E1	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Polygala chamaebuxus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43	.	.	.	.	.	.	.	.	.	.	.	.	.
	Allium ericetorum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29	86	.	.	.	.	.	.	.	.	.	.	.	.
	Amelanchier ovalis	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29	23	.	.	.	.	.	.	.	.	.	.	.	.
	Asperula aristata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Leontodon incanus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pinus nigra	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Cotoneaster tomentosus	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	.	.	.	.	.	.	.	.	.	.	.	.
	Arctostaphylos uva-ursi	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***																												
	Homogyne alpina	E1	31	27	67	90	64	.	33	43	14	67	6	.	11	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.
	Larix decidua	E2a	31	.	.	20	7	7	22	21	.	8	.	.	.	.	14	.	.	17	.	.	.	.	.	.	.	.	.	.
	Clematis alpina	E2a	15	.	44	30	36	14	56	.	.	.	69	50	33	100	57	64	.	8	.	.	.	.	.	.	.	.	.	.
	Luzula sylvatica s. lat.	E1	15	.	22	80	14	36	56	43	43	42	19	30	67	.	.	5	100	.	.	.	.	.	.	.	.	.	.	.
	Hieracium murorum	E1	8	.	.	10	.	7	33	14	.	8	.	30	.	.	29	45	.	.	.	.	.	.	.	.	.	.	.	.
	Orthilia secunda	E1	8	.	.	.	.	.	11	.	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Pyrola minor	E1	8	.	11	.	7	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Huperzia selago	E1	.	18	11	10	7	7	11	.	.	.	19	10	.	40	.	5	.	.	.	.	.	.	.	.	.	.	.	.
	Vaccinium vitis-idaea	E1	.	9	44	70	79	7	33	.	.	.	44	.	11	100	.	9	20	.	.	.	.	.	.	.	.	.	.	.
	Vaccinium myrtillus	E1	.	.	44	90	86	14	44	36	14	8	75	90	33	20	.	.	60	8	.	.	.	.	.	.	.	.	.	.
	Picea abies	E1	.	.	22	10	29	14	.	.	14	.	6	.	.	.	14	68	.	.	.	.	.	.	.	.	.	.	.	.
	Luzula luzulina	E1	.	.	11	.	.	.	11	.	.	.	6	30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Maianthemum bifolium	E1	.	.	11	40	7	14	.	.	.	.	13	30	22	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Oxalis acetosella	E1	.	.	11	.	21	.	33	.	.	.	56	30	56	.	.	.	.	75	.	.	.	.	.	.	.	.	.	.
	Rhododenadron ferrugineum	E1	.	.	11	10	29	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Rosa pendulina	E2a	.	.	11	60	50	36	56	14	.	.	69	90	78	.	71	86	40	.	.	.	.	.	.	.	.	.	.	.
	Dryopteris dilatata	E1	.	.	11	.	.	.	.	.	14	8	31	.	33	20	.	.	.	25	.	.	.	.	.	.	.	.	.	.
	Dryopteris expansa	E1	.	.	11	10	.	14	.	.	.	8	19	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.
	Lycopodium annotinum	E1	.	.	11	20	14	.	11	7	.	25	25	.	.	20	.	.	.	8	.	.	.	.	.	.	.	.	.	.
	Polystichum lonchitis	E1	.	.	11	20	7	29	44	57	14	33	25	50	56	.	.	14	20	.	.	.	.	.	.	.	.	.	.	.
	Calamagrostis villosa	E1	.	.	.	30	7	.	11	14	.	.	19	.	.	20	.	.	.	42	.	.	.	.	.	.	.	.	.	.
	Aposeris foetida	E1	.	.	.	20	7	14	67	.	.	42	13	.	11	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.
	Lonicera caerulea	E2a	.	.	.	20	14	7	22	14	.	.	50	70	11	80	.	50	.	33	.	.	.	.	.	.	.	.	.	.
	Luzula luzuloides s. lat.	E1	.	.	.	20	7	7	22	.	.	.	6	.	.	.	.	.	.	42	.	.	.	.	.	.	.	.	.	.
	Melampyrum sylvaticum	E1	.	.	.	20	.	7	.	.	.	.	6	.	.	.	.	5	20	.	.	.	.	.	.	.	.	.	.	.
	Calamagrostis arundinacea	E1	.	.	.	10	.	7	44	.	.	.	50	90	.	20	.	.	20	.	.	.	.	.	.	.	.	.	.	.
	Saxifraga cuneifolia	E1	.	.	.	10	.	.	11	.	.	.	19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Gymnocarpium dryopteris	E1	.	.	.	10	14	.	11	21	.	.	38	.	11	.	.	.	.	33	.
	Picea abies	E3a	.	.	.	.	.	.	.	.		.	6	.	.	.	.	.	.	.	.
	Picea abies	E2a	.	.	.	.	29	.	56	.	14	8	38	90	11	60	29	68	20	67	.
	Gentiana asclepiadea	E1	.	.	.	.	.	21	67	7	.	.	56	90	22	.	57	.	.	8	.
	Veronica urticifolia	E1	.	.	.	.	.	.	33	7	.	.	19	30	44	.	14	45	20	42	.
	Homogyne sylvestris	E1	.	.	.	.	.	21	56	.	.	.	19	70	.	.	71	59	.	.	.
	Abies alba	E2b	.	.	.	.	.	7	22	.	.	.	25	70	33	.	29	50	.	.	.
	Abies alba	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	20	14	.	.	.	.
	Pyrola rotundifolia	E1	.	.	.	.	.	7	22	.	.	.	13	.	.	40	.	.	.	.	.
	Solidago virgaurea	E1	.	.	.	.	.	.	22	36	.	17	25	50	56	40	.	.	.	17	.
	Phegopteris connectilis	E1	.	.	.	.	.	.	11	7	.	.	56	70	11	40	29	.	.	50	.
	Lonicera nigra	E2a	.	.	.	.	.	.	.	21	.	.	19	30	22	.	.	.	.	.	.
	Luzula pilosa	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Avenella flexuosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	.
TA	***Tilio-Acerion***																				
	Thalictrum aquilegiifolium	E1	.	.	11	10	.	43	67	21	57	8	31	.	89	.	14	.	.	25	.
	Acer pseudoplatanus	E3a	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Acer pseudoplatanus	E2b	.	.	.	.	.	.	22	29	.	17	13	.	89	.	57	5	.	25	.
	Acer pseudoplatanus	E1	.	.	.	20	.	14	.	.	43	.	19	.	.	40	57	.	.	.	.
	Polystichum aculeatum	E1	.	.	.	.	7	.	.	.	.	.	13	.	.	.	.	.	.	.	.
	Chrysosplenium alternifolium	E1	.	.	.	.	.	21	11	14	.	.	31	.	.	.	.	.	.	25	.
	Adoxa moschatellina	E1	.	.	.	.	.	7	.	.	.	.	31	.	.	20	.	.	.	.	.
	Dryopteris affinis	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Aruncus dioicus	E1	.	.	.	.	.	.	.	.	.	.	25	.	33	.	.	.	.	17	14
	Dryopteris remota	E1	.	.	.	.	.	.	.	.	.	.	19	.	.	.	.	.	.	.	.
	Phyllitis scolopendrium	E1	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.
	Polystichum braunii	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	25	.
	Tilia platyphyllos	E3a	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Acer platanoides	E1	.	.	.	.	.	.	.	.	.	.	.	10	.	.	.	.	.	.	.
	Impatien noli-tangere	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.
	Lunaria rediviva	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14
AF	***Aremonio-Fagion***																				
	Anemone trifolia	E1	.	.	.	30	14	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Cyclamen purpurascens	E1	.	.	.	.	14	.	22	.	.	.	6	.	.	.	86	90	.	.	.
	Knautia drymeia	E1	.	.	.	.	7	7	56	.	.	.	.	.	.	.	57	.	.	.	.
	Omphalodes verna	E1	.	.	.	.	7	.	.	.	.	.	31	.	.	.	14	.	.	.	.
	Cardamine enneaphyllos	E1	.	.	.	.	.	14	22	21	.	8	6	50	11	.	.	.	.	17	.

Rhamnus fallax	E2	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cardamine trifolia	E1	.	.	.	.	.	.	33	.	.	.	44	50	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Helleborus niger	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Vicia oroboides	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Euphorbia carniolica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	20	.	.	.	.	.	.	.	.	.	.	.	.
Hacquetia epipactis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.
Cardamine waldsteinii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.
Laserpitium krapfii	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.
FS	***Fagetalia sylvaticae***																																
	Daphne mezereum	E2a	8	.	.	20	50	7	56	29	29	25	38	70	78	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Melica nutans	E1	8	.	.	20	7	7	.	7	.	.	38	50	56	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Lilium martagon	E1	.	.	.	50	7	7	56	7	14	8	6	10	33	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Dryopteris filix-mas	E1	.	.	.	40	21	21	33	7	.	.	5.	.	56	.	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Luzula nivea	E1	.	.	.	20	7	.	.	.	.	.	13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Galium laevigatum	E1	.	.	.	10	.	14	56	.	.	.	13	.	.	.	.	.	.	.	25	.	.	.	.	.	.	.	.	.	.	.	.
	Paris quadrifolia	E1	.	.	.	.	7	14	11	29	.	8	44	.	67	.	14	.	.	.	42	.	.	.	.	.	.	.	.	.	.	.	.
	Myosotis sylvatica agg.	E1	.	.	.	.	7	.	.	14	.	50	19	30	.	.	.	.	.	20	17	.	.	.	.	.	.	.	.	.	.	.	.
	Epilobium montanum	E1	.	.	.	.	.	29	33	.	.	.	19	.	44	.	.	.	.	.	42	.	.	.	.	.	.	.	.	.	.	.	.
	Galeobdolon flavidum	E1	.	.	.	.	.	14	11	7	.	17	19	.	56	.	.	.	.	.	83	.	.	.	.	.	.	.	.	.	.	.	.
	Mercurialis perennis	E1	.	.	.	.	.	7	22	.	43	17	13	.	.	.	57	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Lathyrus vernus	E1	.	.	.	.	.	7	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Poa nemoralis	E1	.	.	.	.	.	7	.	14	.	.	19	.	.	20	.	.	.	.	58	.	.	.	.	.	.	.	.	.	.	.	.
	Petasites albus	E1	.	.	.	.	.	.	22	.	.	.	.	.	11	.	.	.	.	.	100	.	.	.	.	.	.	.	.	.	.	.	.
	Campanula trachelium	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Epipactis helleborine	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E2a	.	.	.	.	.	.	11	.	.	.	19	50	33	.	43	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca heterophylla	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Symphytum tuberosum	E1	.	.	.	.	.	.	11	.	.	.	19	30	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Phyteuma spicatum subsp. *spicatum*	E1	.	.	.	.	.	.	.	29	43	8	.	50	56	.	.	.	.	.	8	14	.	.	.	.	.	.	.	.	.	.	.
	Actaea spicata	E1	.	.	.	.	.	.	.	7	.	.	19	.	56	.	14	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Lonicera alpigena	E2a	.	.	.	.	.	.	.	.	.	.	63	30	56	.	29	14	20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Viola reichenbachiana	E1	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Asarum europaeum subsp. *caucasicum*	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Festuca altissima	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Fraxinus excelsior	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Phyteuma spicatum subsp. *coeruleum*	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Scrophularia nodosa	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	5	.	.	.
	Prenanthes purpurea	E1	.	.	.	.	.	.	.	.	.	.	.	10	22	.	.	.	.	.	.
	Euphorbia dulcis	E1	.	.	.	.	.	.	.	.	.	.	.	.	33	.	.	.	20	.	.
	Laburnum alpinum	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.	.	.	.
	Mycelis muralis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17	29
QP	***Quercetalia pubescenti-petraeae***																				
	Convallaria majalis	E1	.	.	.	.	.	7	.	.	.	.	13	.	.	.	29	.	.	.	.
	Primula veris subsp. *columnae*	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Sorbus aria	E2	.	.	.	.	.	.	22	.	.	.	.	10	33	.	29	.	.	.	.
	Carex flacca	E1	.	.	.	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	.
	Ostrya carpinifolia	E2	.	.	.	.	.	.	.	.	.	.	6	.	.	.	71	.	.	.	.
	Fraxinus ornus	E2a	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
	Melittis melissophyllum	E1	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***																				
	Dactylorhiza fuchsii	E1	8	.	.	10	.	.	11	.	.	8	.	.	22	.	.	.	.	.	.
	Melampyrum pratense	E1	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Hepatica nobilis	E1	.	.	.	20	.	.	.	.	.	.	19	.	22	.	29	5	.	.	.
	Hieracium lachenalii	E1	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Platanthera bifolia	E1	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Carex digitata	E1	.	.	.	.	7	.	.	.	.	.	6	.	44	.	.	41	.	.	.
	Anemone nemorosa	E1	.	.	.	.	.	14	33	.	.	.	44	90	.	.	14	9	.	.	.
	Cruciata glabra	E1	.	.	.	.	.	.	33	.	.	.	.	.	.	.	.	.	.	.	.
	Corylus avellana	E2a	.	.	.	.	.	.	.	14	.	17	13	.	.	.	.	.	.	.	.
	Listera ovata	E1	.	.	.	.	.	.	.	7	.	8	6	.	22	.	.	.	.	.	.
	Pulmonaria officinalis	E1	.	.	.	.	.	.	.	.	.	.	19	.	.	.	.	.	.	.	.
	Lonicera xylosteum	E2a	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.
SP	***Salicetea purpureae***																				
	Salix eleagnos	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43
	Salix purpurea	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14
O	**Other species (Druge vrste)**																				
	Festuca sp.	E1	.	9	11	.	.	29	.	.	.	.	6	.	.	.	.	.	.	.	.
	Vicia sp.	E1	.	.	11	.	.	7	11	.	.	.	.	.	.	.	.	.	.	.	.
	Alchemilla sp. (*inc. A. alpina*)	E1	.	.	.	.	.	7	67	50	29	8	.	.	22	.	.	.	40	8	.
	Hieracium sp.	E1	.	.	.	.	.	7	.	.	.	.	6	.	.	20	.	.	.	.	.
	Minuartia sp.	E1	.	.	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
	Thesium sp.		.	.	.	.	.	.	.	.	.	.	.	30	.	.	.	.	.	.	.

ML	**Mosses and lichens (Mahovi in lišaji)**																							
	Tortella tortuosa	E0	38	9	22	.	.	.	44	.	.	.	63	10	.	80	71	.	.	.				
	Rhytidiadelphus triquetrus	E0	31	.	44	30	.	14	44	14	57	17	63	30	22	100	29	.	20	.				
	Cladonia pyxidata	E0	23	.	.	.	.	.	11	.	.	.	6	.	.	.	.	.	20	.				
	Ctenidium molluscum	E0	15	.	.	.	.	21	33	7	57	33	81	.	11	40	29	.	20	.				
	Hylocomium splendens	E0	8	.	56	30	.	.	33	21	29	17	44	.	22	40	14	.	20	42				
	Orthothecium rufescens	E0	8	.	.	.	.	.	.	.	.	.	19	.	.	80	14	.	.	.				
	Tortella sp.	E0	.	18	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	.				
	Dicranum scoparium	E0	.	.	22	.	.	7	11	7	.	.	31	.	22	60	.	.	.	.				
	Pebrigera leucophlebia	E0	.	.	22	.	.	.	.	.	.	.	13	.	.	20	.	.	.	.				
	Dicranum sp.	E0	.	.	11	20	.	.	.	.	.	.	6	.	.	.	.	.	.	.				
	Rhytidiadelphus loreus	E0	.	.	11	.	.	.	11	.	.	.	19	.	.	.	.	.	.	.				
	Cetraria islandica	E0	.	.	11	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.				
	Cladonia furcata	E0	.	.	11	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.				
	Marchantia polymorpha	E0	.	.	.	.	.	7	.	.	.	.	13	.	.	.	29	.	.	.				
	Pseudoleskeella catenulata	E0	.	.	.	.	.	7	.	.	.	.	13	.	.	.	.	.	.	.				
	Schistidium apocarpum	E0	.	.	.	.	.	7	.	.	.	.	13	.	.	60	14	.	.	.				
	Fissidens dubius	E0	.	.	.	.	.	.	22	.	.	.	6	.	.	.	71	.	.	.				
	Plagiochila asplenioides	E0	.	.	.	.	.	.	11	.	29	17	.	.	11	.	.	.	.	25				
	Pleurozium schreberi	E0	.	.	.	.	.	.	11	.	.	25	.	.	.	.	.	.	.	.				
	Plagiothecium undulatum	E0	.	.	.	.	.	.	.	.	29	.	6	.	.	.	.	.	.	.				
	Plagiomnium affine	E0	.	.	.	.	.	.	.	.	43	.	.	.	.	.	.	.	.	.				
	Cirriphyllum piliferum	E0	.	.	.	.	.	.	.	.	28	.	.	.	.	.	.	.	.	.				
	Brachythecium sp.	E0	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.				
	Scapania aequiloba	E0	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.				
	Preissia quadrata	E0	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.				
	Campylium stellatum	E0	.	.	.	.	.	.	.	.	14	.	.	.	.	.	.	.	.	.				
	Pebrigera canina	E0	.	.	.	.	.	.	.	.	.	.	31	.	.	20	.	.	.	.				
	Polytrichum formosum	E0	.	.	.	.	.	.	.	.	.	.	25	.	.	20	.	.	.	52				
	Hypnum cupressiforme	E0	.	.	.	.	.	.	.	.	.	.	19	.	.	20	.	.	.	.				
	Plagiomnium undulatum	E0	.	.	.	.	.	.	.	.	.	.	19	.	.	.	.	.	.	.				
	Sanionia uncinata	E0	.	.	.	.	.	.	.	.	.	.	19	.	.	100	.	.	.	.				
	Conocephalum conicum	E0	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.				
	Mnium sp.	E0	.	.	.	.	.	.	.	.	.	.	13	.	.	20	.	.	.	.				
	Mnium thomsonii	E0	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.				
	Neckera crispa	E0	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.				
	Rhizomnium punctatum	E0	.	.	.	.	.	.	.	.	.	.	13	.	11	.	.	.	.	.				
	Solorina saccata	E0	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.				

Succesive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Bryum capillare	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Bryum sp.	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Ditrichum flexicaule	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Encalypta streptocarpa	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	20	.	.	.	.	.
Eurhynchium zetterstedtii	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Homalothecium lutescens	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Homalothecium philippeanum	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Radula sp.	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Thuidium tamariscinum	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Cladonia fimbriata	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Cladonia sp.	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Squamarina sp.	E0	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	.
Drepanocladus uncinatus	E0	.	.	.	.	.	.	.	.	.	.	.	.	22	.	.	.	.	.	.
Plagiochila porelloides	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	20	14	.	.	.	.
Polytrichum sp.	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.
Musci sp.	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.	.	.
Plagiothecium laetum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	58	.
Lobaria pulmonaria	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	33	.
Plagiomnium cuspidatum	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	.
Brachythecium rivulare	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43

Legend – Legenda

1 *Dryado-Rhodothamnetum chamaecisti* – Dolomites
2 *Dryado-Rhodothamnetum caricetosum firmae*
3 *Dryado-Rhodothamnetum salicetosum waldsteinianae*
4 *Rhododendretum hirsuti vaccinietosum myrtilli*
5 *Rhodothamno chamaecisti-Juniperetum alpini*
6 *Laserpitio peucedanoidis-Salicetum waldsteinianae*
7 *Salicetum waldsteinianae* var. geogr. *Homogyne sylvestris*
8 *Salicetum waldsteinianae* – Austria
9 *Salicetum glabrae* – NE Alps
10 *Salix glabra* comm. (prov.) – Austria
11 *Rhododendro hirsuti-Salicetum appendiculatae* – Slovenia
12 *Rhododendo hirsuti-Salicetum appendiculatae* – Croatia
13 *Aceri-Salicetum appendiculatae typicum*
14 *Heliospermo pusillae-Rhododendretum hirsuti*
15 *Homogyno sylvestris-Salicetum glabrae*
16 *Rhododendro hirsuti-Juniperetum alpinae*
17 *Scabioso cinerei-Salicetum waldsteinianae*
18 *Aceri-Salicetum appendiculate petasitetosum albi*
19 *Aceri-Salicetum appendiculatae petasitetosum hybridi*

ESP Erika and Sandro Pignatti
ID Igor Dakskobler
BS Boštjan Surina
TW Tone Wraber
LP Livio Poldini
GO Giuseppe Oriolo
CF C. Francescato
MZ Mitja Zupančič
VŽ Vinko Žagar
PK Peter Karner
IH Ivo Horvat
RL Radomir Lakušić
PE Peter Eggensberger
HS Hans Smettan
JG Josef Greimler

Table 6: Groups of diagnostic species in (altimontane)-subalpine communities with dominant *Rhododendron hirsutum* and (or) *Salix* spp. in (SE) Alps and Dinaric Alps (relative frequencies)

Preglednica 6: Skupine diagnostičnih vrst v združbah s prevladujočimi vrstami *Rhododendron hirsutum* in *Salix* spp. v (Jugovzhodnih) Alpah in Dinarskem gorstvu (relativne frekvence)

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Number of relevés (Število popisov)	13	11	9	10	14	14	9	14	7	12	16	10	9	5	7	22	5	12	7
Sign for syntaxa (Oznaka sintaksonov)	DrRh	DrRhcf	DrRhsw	Rhvm	RcJa	LpSw	LpSw-hs	Sw-A	Sg-Ba	Sg-A	RhSa	RhSa -Cr	ApSaty	HpRh	HoSg	RhJa	ScSw	ApSapa	ApSaph
Rhododendro hirsuti-Ericetalia carneae	**11.5**	**9.34**	**6.09**	**6.67**	**11.4**	1.92	3.46	4	**4.23**	3.25	2.46	2.4	0.8	**5.06**	**6.07**	**7.73**	2.05	0	0
Betulo-Alnetea viridis	**6.12**	0	3.19	**6.67**	**12.4**	**6.86**	**6.21**	**8.19**	**4.73**	**4.58**	**5.17**	**8.56**	**5.38**	**7.3**	**4.28**	**7.88**	**4.79**	**5.95**	**8.1**
Caricion firmae	5.81	**21.8**	4.06	0.3	0.93	2.08	2.36	0	0.00	1.62	0	0	0	0	1.07	0	0.68	0	1.13
Oxytropido-Elynion	0.35	0.39	1.45	0.3	0.62	0.35	0.36	0	0.00	0	0.26	0	0	2.25	0	0	0	0	0
Caricion austroalpinae	2.38	0.39	**3.19**	**4.24**	1.56	3.16	1.45	0.52	0.46	1.88	0.78	0	0	0	1.79	2.13	0.68	0	0
Caricion ferrugineae	1.36	1.17	2.61	0.91	2.54	2.97	1.65	2.63	2.84	**6.2**	0.91	0	0	2.81	2.14	0.35	0	0	0
Seslerietalia coeruleae	**5.41**	**5.84**	**7.54**	3.94	0.93	3.7	1.65	0.26	1.42	1.88	0.13	0	0	0.56	1.07	0	3.42	0	0
Seslerietalia juncifoliae	0	0	0	0	0	0	0	0	0.00	0	0	1.03	0	0	0	**2.13**	**13.7**	0	0
Elyno-Seslerietea	**22.9**	**24.9**	**25.2**	**10.6**	**12.6**	**14.2**	**10.4**	**8.04**	**12.80**	**21.8**	2.85	3.08	1.33	**5.06**	**8.93**	2.72	**11.6**	0	1.62
Caricetalia davallianae	4.71	4.67	4.35	0.3	0.93	2.27	1.27	0.26	2.38	1.62	0.26	0	0	**5.62**	3.93	0	0.68	0.28	0
Montio-Cardaminetea	0.66	1.56	1.16	0	0	0.35	0.36	0	0.00	0	0	0	0	0	0	0	0.68	0	**6.96**
Mulgedio-Aconitetea	0.7	0.78	**4.06**	**8.79**	**7.92**	**20.6**	**16.2**	**31.4**	**19.28**	**14.8**	**11.1**	**15.4**	**30.7**	2.81	0.71	1.54	**15.1**	**24.9**	**16.2**
Nardion strictae	1.72	1.95	1.45	3.33	1.56	0.35	1.27	1.56	1.42	1.33	0	0	0.27	0	0.36	0	1.37	0	0
Juncetea trifidi	2.38	1.17	2.32	**6.97**	1.87	1.78	1.1	1.59	1.88	1.62	0.52	0	0	0	0	0.71	3.42	0	0
Loiseleurio-Vaccinietea	1.67	4.28	1.45	2.42	0.62	0.35	0	0	0.00	0	0	0	0	0	0	0	0	0	0
***Arabidetalia caeruleae* (inc. *Salicetea herbaceae*)**	2.68	**5.45**	2.9	0.91	0.31	1.41	0.36	1.59	1.88	2.44	0.13	0	0.27	2.25	0.36	0	3.42	0	0
Thlaspietea rotundifolii	4.45	3.5	2.9	3.64	4.4	**6.64**	**5.27**	3.15	**7.51**	**6.49**	**4.79**	0	2.13	0.56	**8.22**	**11.7**	6.85	0	**4.62**
Physoplexido comosae-Saxifragion petraeae	0.7	1.95	0.87	0	0	0.69	1.63	0	0.00	0	1.42	0	0	3.37	0.71	1.81	0	0	0
Potentilletalia caulescentis	2.02	3.5	1.74	0	0	0.35	0.91	0	0.00	0	0.65	0	0	3.37	1.79	0	0	0	0
Cystopteridion fragilis	0	1.17	0	0	0	0.86	0.18	0	0.00	0	1.81	0	1.04	**4.49**	0.36	1.1	0.68	1.53	0
Asplenietea trichomanis	2.73	0.78	1.45	0.3	1.91	1.95	2.19	1.3	1.42	1.62	**4.27**	2.05	0.53	**5.06**	1.43	3.39	2.05	0	3.48
Poo alpinae-Trisetetalia	2.02	0.78	1.74	2.42	0.62	3.75	2.17	2.11	**5.16**	**5.65**	0.65	0.34	1.87	1.12	0	0	0.68	0.85	1.13
Molinio-Arrhenatheretea	0.35	0	0.87	1.52	0.31	2.93	2.17	1.56	3.31	2.69	0.78	0	2.13	0	1.07	0.55	**4.11**	**5.34**	**15.1**
Festuco-Brometea	2.02	0	0.29	0.3	0.62	0.17	1.09	0	0.46	0	0.39	0.34	0	0	3.57	**4.69**	2.05	0	0
Trifolio-Geranietea	0	0	0.87	0.61	0	0.35	0.36	0	0.96	0	0.26	0	0	0	1.07	2.17	0	0	0
Sambuco-Salicion capreae, Rhamno-Prunetea	0	0	0.87	0.61	0.62	0.17	0.54	1.33	0.00	0	3.23	1.71	3.23	1.12	0.36	1.93	0	**8.01**	1.13
Filipendulo-Convolvuletea	0	0	0	0	0	0	0	0	0.00	0	0	1.71	1.36	0	0	0	0	0	**11.6**

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Galio-Urticetea, Stellarietea mediae	0	0	0	0	0	0.17	0	0	0.00	0	0.91	0	0	0	0	0	0	0.89	**5.75**
Epilobietea angustifolii	0.35	0	0	0.3	0	0	0.36	1.04	0.00	0	0.52	0	0.27	0	0	0.55	0	1.78	2.35
Erico-Pinetea	3.39	0.78	1.45	1.52	**4.23**	2.44	2.54	2.67	**4.27**	1.36	2.98	**4.45**	**5.14**	**6.18**	**12.5**	**16.3**	2.05	1.17	**6.96**
Vaccinio-Piceetea	5.11	2.33	**9.57**	**21.5**	**23.8**	**7.5**	**15.3**	**13.7**	4.20	8.9	**20.1**	**38**	**15.3**	**17.4**	**11.1**	**22.6**	**11.6**	**18.1**	0
Tilio-Acerion	0	0	0.29	0.91	0.31	2.11	1.83	2.37	3.31	0.81	4.4	0.34	**5.12**	1.69	3.21	0.2	0	**5.66**	2.27
Aremonio-Fagion	0	0	0	0.91	1.87	0.69	2.55	0.78	0.00	0.26	1.81	3.42	0.27	0.56	**5.36**	**3.94**	2.05	0.61	0
Fagetalia sylvaticae	0.7	0	0	**4.85**	4.72	3.3	**5.85**	**5.56**	**4.27**	4.32	**9.44**	**11.3**	15.9	0.56	**7.14**	1.66	2.05	**16.3**	3.48
Quercetalia pubescenti-petraeae	0	0	0	0	0	0.35	0.54	0	0.00	0	0.65	0.34	0.8	0	3.2	0	0	0	0
Querco-Fagetea	0.35	0	0	1.82	0.31	0.35	1.27	0.78	0.00	1.07	2.46	3.08	2.67	0	1.07	2.17	0	0	0
Salicetea purpureae	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	4.62
Other species (Druge vrste)	0	0.39	0.58	0	0	1.06	1.28	1.85	0.96	0.26	0.13	1.03	0.53	0	0	0	1.37	0.28	0
Mosses and lichens (Mahovi in lišaji)	5.41	1.17	5.51	2.42	0	1.9	3.8	1.82	10.85	3.54	13.8	1.37	2.93	20.8	7.14	0	2.74	8.37	3.48
Total (Skupaj)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Legend – Legenda

1 *Dryado-Rhodothamnetum chamaecisti* – Dolomites
2 *Dryado-Rhodothamnetum caricetosum firmae*
3 *Dryado-Rhodothamnetum salicetosum waldsteinianae*
4 *Rhododendretum hirsuti vaccinietosum myrtilli*
5 *Rhodothamno chamaecisti-Juniperetum alpini*
6 *Laserpitio peucedanoidis-Salicetum waldsteinianae*
7 *Salicetum waldsteinianae* var. geogr. *Homogyne sylvestris*
8 *Salicetum waldsteinianae* – Austria
9 *Salicetum glabrae* – NE Alps
10 *Salix glabra* comm. (prov.) – Austria
11 *Rhododendro hirsuti-Salicetum appendiculatae* – Slovenia
12 *Rhododendo hirsuti-Salicetum appendiculatae* – Croatia
13 *Aceri-Salicetum appendiculatae typicum*
14 *Heliospermo pusillae-Rhododendretum hirsuti*
15 *Homogyno sylvestris-Salicetum glabrae*
16 *Rhododendro hirsuti-Juniperetum alpinae*
17 *Scabioso cinerei-Salicetum waldsteinianae*
18 *Aceri-Salicetum appendiculate petasitetosum albi*
19 *Aceri-Salicetum appendiculatae petasitetosum hybridi*