

Successional development of shrub-woody vegetation on natural river banks along certain watercourses in the Julian Alps and their foothills (western Slovenia and northeastern Italy)

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Key words: phytosociology, gravel sites, rockfall, talus, *Salicion eleagnodo-daphnoidis*, *Fraxino orni-Ostryion*, Triglav National Park, Natura 2000.

Ključne besede: fitocenologija, prodišča, podorno skalovje, vršaji, *Salicion eleagnodo-daphnoidis*, *Fraxino orni-Ostryion*, Triglavski narodni park, Natura 2000.

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Abstract

We conducted a phytosociological survey of pioneer shrub and shrub-wood (brushwood) communities on river banks at the contact of gravel bars and rockfall, slope debris or colluvium in the spring area of the Nadiža River, in the gorge of the Soča River between Srpenica and Kobarid (Log Čezsoški and Magozd), in the Tolminka valley, and in certain other locations in the hills of western Slovenia. We identified a successional sequence of two grey willow and hop hornbeam communities, which we classify into the associations *Salicetum eleagnodo-appendiculatae* (*Salicion eleagnodo-daphnoidis*) and *Peucedano verticillari-Ostryetum carpinifoliae* (*Fraxino orni-Ostryion*). Both are indicators of natural river banks that have not been artificially stabilized. We expanded the knowledge of hop hornbeam communities in the pre-Alpine–northern-Dinaric part of Slovenia with a description of a new association *Scopolio carniolicae-Ostryetum carpinifoliae*. Its sites are characterised by slightly moist soil, and its stands by a higher proportion of species of the alliance *Tilio-Acerion*.

Izvleček

V povirnem delu reke Nadiže, v soteski Soče med Srpenico in Kobaridom (oz. Logom Čezsoškim in Magozdom), v dolini Tolminke in ponekod drugod v hribovju zahodne Slovenije smo fitocenološko popisali pionirska grmišča in gozdne sestoje na rečnih brežinah, na stiku prodišč in podornega skalovja, pobočnega grušča ali koluvija. Ugotovili smo sukcesijsko sosledje dveh združb sive vrbe in črnega gabra, ki ju uvrščamo v asociaciji *Salicetum eleagnodo-appendiculatae* (zveza *Salicion eleagnodo-daphnoidis*) in *Peucedano verticillari-Ostryetum carpinifoliae* (zveza *Fraxino orni-Ostryion*). Obe sta pokazateljici naravnega obrežja, v katerega človek ne posega z utrjevanjem brežin. Vednost o združbah črnega gabra v predalpsko-severnodinarskem delu Slovenije smo dopolnili z opisom nove asociacije *Scopolio carniolicae-Ostryetum carpinifoliae*. Značilnost njenih rastišč so nekoliko vlažna tla, njenih sestojev pa večji delež vrst iz zveze *Tilio-Acerion*.

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Introduction

Until now, the research into riparian shrub communities and forests in western Slovenia (Čušin, 2001, 2002; Čušin & Šilc, 2006; Dakskobler et al., 2004, 2019; Dakskobler, 2007, 2010; Dakskobler & Rozman, 2013; Dakskobler & Pavlin, 2023) has focused mainly on communities on alluvial deposits dominated by willows (*Salix eleagnos*, *S. purpurea*, *S. alba*), grey alder (*Alnus incana*), in places also German tamarisk (*Myricaria germanica*), Scots pine (*Pinus sylvestris*), European ash (*Fraxinus excelsior*), small-leaved lime (*Tilia cordata*) and beech (*Fagus sylvatica*). We determined a sequence of plant communities from the most initial ones on frequently flooded and newly developed gravel bars, such as *Chærophylllo-Petasitetum officinalis* (Dakskobler, 2010, 2024; Dakskobler et al., 2019), *Epilobio-Scrophularietum caninae* (Čušin, 2001), *Polygono lapathifoliae-Salicetum eleagni* (Dakskobler et al., 2019), *Salici-Myricarietum* (Čušin & Šilc, 2006), through grey and red willow shrub communities (*Salicetum eleagno-purpureae*) – Čušin & Šilc (2006), Dakskobler (2007, 2010, 2023), Dakskobler & Rozman (2013), and forest stands of grey willow (*Lamio orvalae-Salicetum eleagni*) – Dakskobler (2007, 2010), Dakskobler & Rozman (2013) and grey alder (*Lamio orvalae-Alnetum incanae*, *Alno incanae-Pinetum sylvestris*) – Dakskobler et al. (2004); Dakskobler (2007, 2010); Dakskobler & Rozman (2013); Dakskobler & Pavlin (2020) on more stable and only occasionally flooded gravel bars with better developed fluvisols, to common hornbeam, small-leaved lime and (or) beech forests (*Carici albae-Tilietum cordate*, *Carici albae-Carpinetum betuli*, *Polysticho braunii-Fagetum caricetosum albae*) – Čušin (2002), Dakskobler (2007, 2010); Dakskobler & Pavlin (2020, 2023) on slightly elevated river terraces with automorphic soils.

Shrub and shrub-wood (brushwood) stands with a very diverse species composition are most likely to develop in spring areas of mountain rivers and streams with natural courses that have been left more or less untouched by human activity, on crumbling river banks, at the contact of colluvium and alluvium, rockfall, rubble and gravel. Here, the highest stand layer consists of species of gravel bars (in the first place grey, more rarely red willow) and riparian stands (in particular grey alder) as well as species characteristic for rockfall sites (hop hornbeam, flowering ash, large-leaved willow) or colluvial soils (sycamore maple, wych elm, small-leaved lime). We made more than one hundred relevés of such riparian pioneer communities upstream of the Nadiža River, from its spring branches – the Beli potok / Rio Bianco, Črni potok / Rio

Nero and Plazi Potok – to Napoleon Bridge at Podbelja (Figures 1 and Figure 2) and lower down to Robič, by Legrada / Lerada, by the Soča in the gorge between the ridge of Stol and Morizna, between Srpenica and Kobarič (Figure 3) on the right bank and Log Čezsoški and Magozd on the left bank, partly also at Kamno and Volče, in the river basin of the Volarja, in the Tolminka valley, to a lesser extent also in the Trebušica river basin and in gorges in the Cerkno region. By arranging them in phytosociological tables we were able to classify them within a syntaxonomic system and determine the possible successional development towards the surrounding, predomi-



Figure 1: The Nadiža / Natisone valley between Most na Nadiži / Ponte Vittorio and confluence with Legrada / Lerada, a part of the studied area of pioneer plant communities on river banks.

Slika 1: Dolina Nadiže med Mostom na Nadiži in sotočjem z Legrado, del raziskovanega območja pionirskega rastlinskega združba na rečnih brežinah.

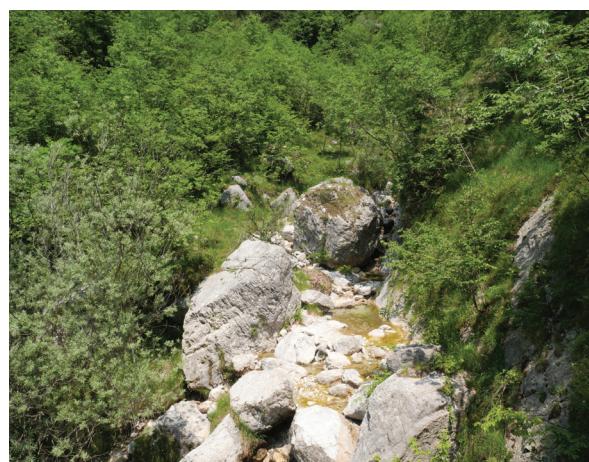


Figure 2: Plazi Potok, left source stream of the Nadiža, a part of the studied area of pioneer plant communities on river banks.

Slika 2: Plazi potok, levi povirni krak Nadiže, del raziskovanega območja pionirskega združba na rečnih brežinah.

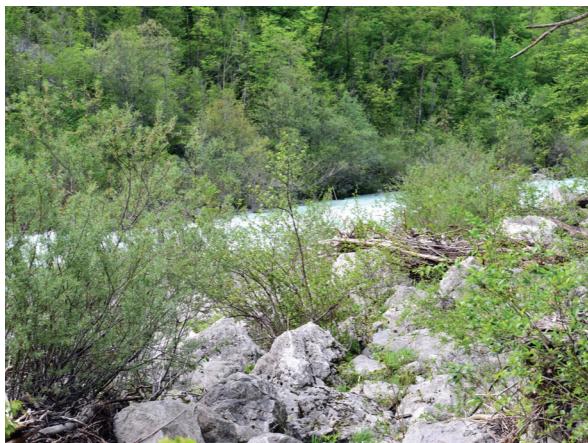


Figure 3: Left bank of the river Soča between Log Čezoški and Magozd, stand of the association *Salicetum eleagno-appendiculata* on the narrow riparian belt of gravel and rockfall.

Slika 3: Levi breg Soče med Logom Čezoškim in Magozdom, sestoj asociacije *Salicetum eleagno-appendiculata* na ozkem obrežnem pasu iz pruda in podornega skalovja.

nantly forest vegetation, in this case mainly submontane or montane beech forest. Although the studied successional stages usually cover small areas and are frequently overlooked in the mapping of forest-shrub vegetation, they are a good indicator of the naturalness of river banks and riparian areas, and their state of conservation. Along with willow stands and riparian forests these shrub and shrub-wood (brushwood) communities also constitute a characteristic element of the natural landscape alongside the upper Nadiža River and the Soča River in its gorge between Srpenica and Kobarid.

Methods

The relevés were made simultaneously with other research studies into the flora and vegetation of western Slovenia, containing mainly forest, grassland and rock crevices communities (Dakskobler & Seliškar, 2016; Dakskobler & Pavlin, 2020, 2023; Dakskobler & Martinčič, 2020, 2023; Dakskobler et al., 2023). In the Nadiža basin we studied mainly submontane beech forests on mixed geological bedrock, and to reach their stands we often had to make our way alongside the river or its tributaries. Between Srpenica and Kobarid and Log Čezoški and Magozd in the Soča Valley we surveyed a beech forest on extensive rockfall areas and identified similar stands on their margins just above or by the river. We came across them also in the Tolminka valley, some of them even on glacial material. The relevés were made according to the standard Central-European phytosociological method (Braun-Blanquet, 1964) and entered into the FloVegSi database (Seliškar & al., 2003).

Hierarchical classification was performed using the UPGMA method (average linkage, or Unweighted Pair Group Method with Arithmetic Mean) along with Wishart's similarity ratio and the analysis of diagnostic species. Combined cover-abundance values were transformed into numerical values 1–9 (van der Maarel, 1979). Numerical comparisons were performed using the SYN-TAX (Podani, 2001) software.

The nomenclatural sources for the names of vascular plants were the Mala flora Slovenije (Martinčič et al., 2007) and the FloVegSi database, and Martinčič (2024) for mosses. The nomenclatural sources for the names of plant communities and higher syntaxonomic units are Šilc & Čarni (2012), Mucina et al. (2016), and Bončina et al. (2021).

Geographic coordinates of relevés are determined according to the Slovenian geographic coordinate system D 48 (zone 5) based on the Gauss-Krüger projection and the Bessel ellipsoid.

Results and discussion

Hierarchical classification of the researched stands

Based on the hierarchical classification (Figure 4) and the dominant species of the highest stand layer they were arranged into three phytosociological tables, which can be interpreted also as successional stages, from the initial to a more progressive stage that already slightly resembles the surrounding beech forest. The latter stage is characterised by hop hornbeam dominating the upper stand layer, which allowed us to complement the knowledge on hop hornbeam communities in the pre-Alpine and Dinaric part of western Slovenia (Dakskobler, 2015) with a description of another hop hornbeam community which, like the riparian successional stage, is a fringe community and indicates the contact of two site groups – the contact of gravel bars and thermophilous hop hornbeam and flowering ash communities in the first case, and the contact of hop hornbeam communities with communities of noble hardwoods in the second.

The relevés whose approximate localities are indicated in Figure 5 formed several clusters (Figure 4). When they were arranged according to floristic similarity it became clear that they could be organized in some larger groups (Tables 1–3). In the groups of relevés on the left and on the right side of Figure 4 the highest stand layer was largely dominated by grey willow, and by hop hornbeam mostly in the groups of relevés in the middle of the dendrogram.

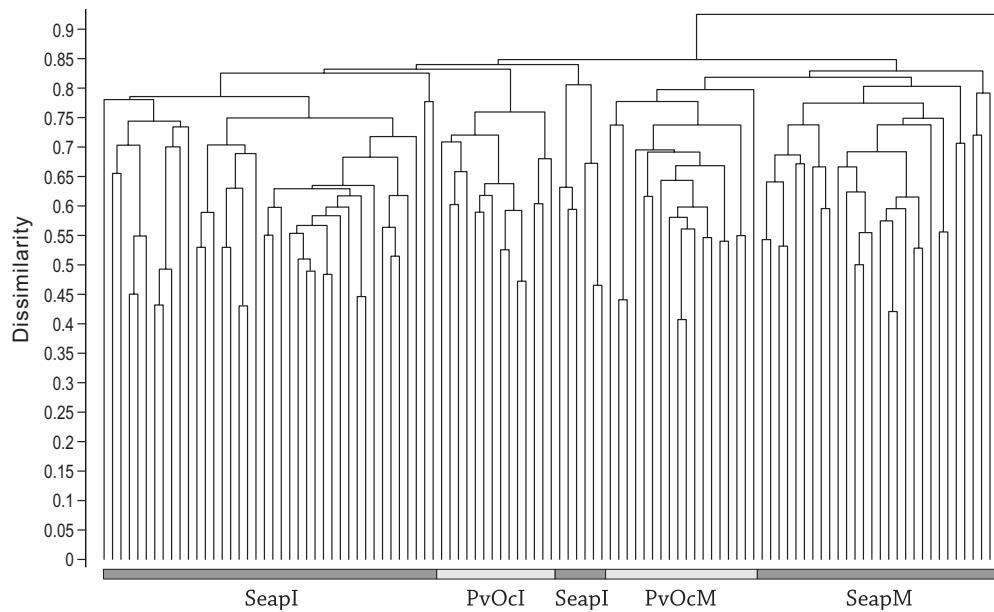


Figure 4: Dendrogram of studied riparian stands of willow and hop hornbeam on gravel and rockfall sites in western Slovenia and north-eastern Italy, UPGMA, 1-similarity ratio.

Slika 4: Dendrogram proučenih obrežnih sestojev vrb in črnega gabra na podoru v zahodni Sloveniji in severovzhodni Italiji, UPGMA, 1-similarity ratio.

Legend – Legenda

- SeapI – *Salicetum eleagno-appendiculatae*, initial (shrub) stands (začetna, grmiščna razvojna stopnja)
- SeapM – *Salicetum eleagno-appendiculatae*, mature (brushwood) stands (nizki gozdnati sestoji)
- PvOcI – *Peucedano verticillari-Ostryetum carpinifoliae*, initial (Shrub) stands (začetna, grmiščna razvojna stopnja)
- PvOcM – *Peucedano verticillari-Ostryetum carpinifoliae*, mature (brushwood) stands (nizki gozdnati sestoji)

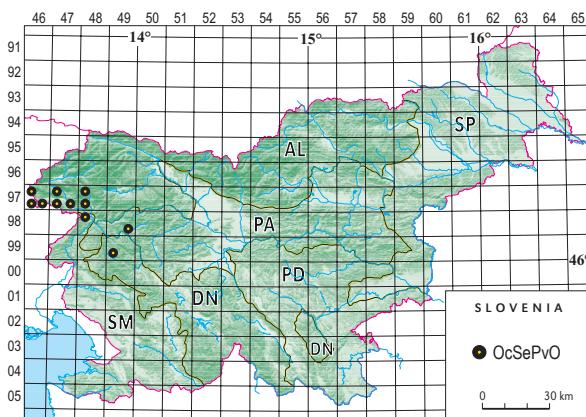


Figure 5: Approximate localities of studied pioneer riparian stands on the map of Slovenia.

Slika 5: Približna nahajališča raziskovanih pionirskih obrežnih sestojev na zemljevidu Slovenije.

Stands with dominant *Salix eleagnos* (Tables 1 and 2)

Relevés in Tables 1 and 2 have very similar floristic composition, especially in terms of species with a constancy of 20% or more. The differences between them increase with species whose constancy is below 10%. The relevés from both tables are therefore classified into the same syn taxon. Based on the dominant species of the upper stand layer this is a grey willow (*Salix eleagnos*) community, but without the full range of characteristics and character species of shrub communities on gravel bars. In our relevés, the character species of the association *Salicetum eleagno-purpureae* (Grass, 1993; Dakskobler, 2010) do not include *Stachys sylvatica* and only several relevés comprise *Mentha longifolia* and *Solanum dulcamara*; the species with the constancy of around 20% include *Angelica sylvestris*, *Cirsium oleracum* and *Aegopodium podagraria*, and the only species with a higher constancy is *Chaerophyllum hirsutum*. Well represented are the diagnostic species of the alliance *Salicion eleagno-daphnoidis*: *Brachypodium sylvaticum*, *Rubus caesius*, *Petasites paradoxus* and *Peucedanum verticillare*. We identified certain similarity with the stands of the subassociation *Salicetum eleagno-purpureae caricetosum ornithopoda*, whose differential species are *Carex ornithopoda*, *Cirsium erisithales*, *Aquilegia nigricans*, *Alnus incana*, *Rhamnus fallax*, *Buphthalmum salicifolium* and *Picea abies* (Dakskobler, 2010). The most similar to the stands of this subassociation are relevés 3–10 in Table 2. We therefore made a synoptic table (Table 3) with four syntaxa: our communities in Tables 1 and 2, the subassociation *Salicetum eleagno-purpureae caricetosum ornithopoda*

thopodae (Dakskobler, 2010, Table 2, columns 1–6) and the subassociation *Lamio orvalae-Salicetum eleagni caricetosum albae* (Dakskobler, 2007, Table 1, relevés 7–22). Taking into account the species' constancy and with regard to only the presence and absence of species the comparison with the hierarchical classification demonstrated that our communities were clearly different from both (slightly similar) compared communities (Figure 6).

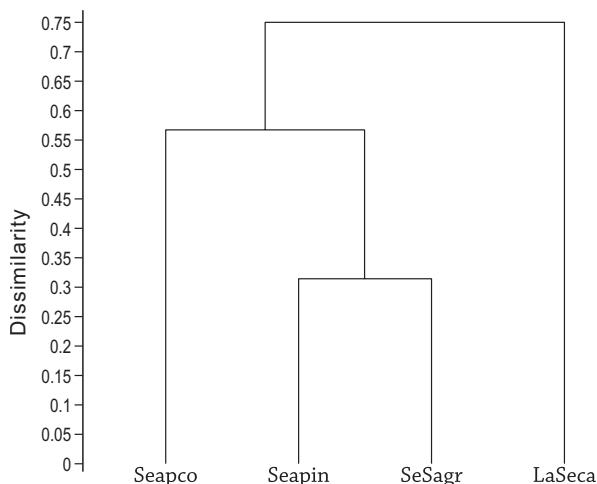


Figure 6: Dendrogram of four communities with dominant *Salix eleagnos* in western Slovenia, UPGMA, 1-similarity ratio.

Slika 6: Dendrogram štirih združb sive vrbe (*Salix eleagnos*) v zahodni Sloveniji, UPGMA, 1-similarity ratio.

Legend – Legenda

- Sepco – *Salicetum eleagno-purpureae caricetosum ornithopodae* (Dakskobler, 2010, Table 2, relevés 1–6).
- Seapin – *Salicetum eleagno-appendiculatae* var. *Alnus incana* and initial forms, this article, Table 2.
- Seapgr – *Salicetum eleagno-appendiculatae* var. *Geranium robertianum* and var. *Alnus incana*, this article, Table 1.
- LaSeca – *Lamio orvalae-Salicetum eleagni caricetosum albae* (Dakskobler, 2007, Table 1, relevés 7–22).

Based on this comparison we classify the described stands into the new association *Salicetum eleagno-appendiculatae* ass. nov. hoc loco. Its nomenclatural type, *holotypus*, is relevé 11 in Table 1. Its diagnostic species are *Salix eleagnos*, *Ostrya carpinifolia*, *Fraxinus ormus*, *Salix appendiculata*, *Petasites paradoxus*, *Peucedanum verticillare*, *Calamagrostis varia*, *Sesleria caerulea*, *Carex ornithopoda* and *Bupthalmum salicifolium*. The listed species are good indicators of the site conditions that characterise its stands – usually very stony or rocky sites, partly gravel bars, partly rockfall sites, with shallow initial soils, on the banks of mountain streams and rivers. In addition to the already listed species the frequent species with high constancy include *Alnus incana*, *Frangula alnus*, *Clematis*

vitalba, *Cornus sanguinea*, *Corylus avellana*, *Rubus caesius*, *Knautia drymeia* subsp. *intermedia*, *Acer pseudoplatanus*, *Fraxinus excelsior*, *Brachypodium sylvaticum*, *Salvia glutinosa*, *Galium laevigatum*, *Hedera helix*, *Molinia arundinacea*, *Eupatorium cannabinum*, *Chaerophyllum hirsutum*, *Cirsium oleraceum*, *Centaurea carniolica*, *Achnatherum calamagrostis*, *Hieracium bifidum*, and mosses *Schistidium apocarpum*, *Tortella tortuosa*, *Ctenidium molluscum* and *Brachythecium rutabulum*.

Salix appendiculata is a south-European montane species, continuously distributed in Slovenia mainly in the Alpine, pre-Alpine and Dinaric phytogeographical regions from the colline to the alpine zone (sources: Jogan et al., 2001; Anderle, 2023; data in FloVegSi database). It occurs in numerous plant communities, including eponymous shrub communities on very stony or rocky sites (*Rhododendro hirsuti-Salicetum appendiculatae*) – Dakskobler & Surina (2017). The grey and broad-leaved willow were found to co-occur in very different communities, on gravel bars, screes, moist rock crevices, on very stony grasslands, up to sub-alpine swards, spring areas with *Schoenus nigricans*, in valley dwarf mountain pine scrub, in Scots pine communities, within spruce stands on gravel bars, rarely in riparian grey willow or grey alder stands, in hop hornbeam communities, and in certain beech communities (source: FloVegSi database). In previously described grey willow and grey alder communities (see Dakskobler & Rozman, 2013, Table 5) the large-leaved willow usually has a low constancy (below 20%), except in the stands of the association *Lamio orvalae-Salicetum eleagni* in the Učja Valley, where it has a constancy of 40%. Its frequent occurrence in grey willow shrub and shrub-wood (brushwood) communities on gravel bars and rockfall debris is a good indicator of these sites and differentiates them from similar willow stands on gravel bars along the middle and lower course of mountain rivers.

Most of the relevés in Table 2 are shrub communities (Figure 7), of which only a few have developed the tree layer. Table 1 comprises mainly shrub-wood (brushwood) stands (Figure 8). Relevés 1–9 in Table 1 are classified into the variant with *Geranium robertianum*. Its differential species are also *Galeobdolon flavidum*, *Asplenium trichomanes*, *Polypodium vulgare*, *Lonicera xylosteum*, *Cardamine trifolia*, *Cyclamen purpurascens*, *Arabis turrita* and *Cardamine enneaphyllos*. They indicate stands on rockfall debris, with fewer gravel bar species. Most relevés of this variant were made in the Tolminka valley, near the spring of the Tolminka where the river cut its bed into glacial material. Relevé 6 in Table 1 was made on overgrown talus of the Velika Grapa gorge in Govci above the Trebuša valley.



Figure 7: Initial stand of the association *Salicetum eleagno-appendiculatae*, left bank of the Nadiža / Natisone river between Most na Nadiži / Ponte Vittorio and confluence with the rivulet Jamnik.

Slika 7: Inicialni sestoj asocijacije *Salicetum eleagno-appendiculatae*, levi breg Nadiže med Mostom na Nadiži in sotočjem z Jamnikom.



Figure 8: Stand of the association *Salicetum eleagno-appendiculatae*, left bank of the Nadiža / Natisone river under Kras.

Slika 8: Sestoj asocijacije *Salicetum eleagno-appendiculatae*, levi breg Nadiže pod Krasom.

Relevés 10–27 in Table 1 and relevés 13–38 in Table 2 are classified into the variant with *Alnus incana*. Its differential species are also *Frangula alnus*, *Ulmus glabra*, *Tilia cordata*, *Cornus sanguinea*, *Crataegus monogyna*, *Rubus caesius*, *Knautia drymeia* subsp. *intermedia* and *Aruncus dioicus*. These stands are more characteristic for the described community. They were made both on the predominantly gravelly bedrock and on rockfall, but in a relatively moist environment with slightly more characteristic species of riparian forests. Most of the localities are situated in the Nadiža River basin; others are by the Soča River between Šrpenica and Kobarid (Log Čezsoški and Magozd), and in the Tolminka valley. There are certain similarities between the stands of this variant and the

stands of the subassociation *Lamio orvalae-Alnetum incanae rhamnetosum fallacis* (Dakskobler & Rozman, 2013, Table 4, relevés 19–24) that were made on slope talus in the valley of Lepena and above Drežniške Ravne, but in this case we are dealing with a distinct grey alder community in which grey willow occurs only sporadically.

Other relevés in Table 2 are classified only at the rank of association, and relevés 3–12 (made predominantly on gravel deposits, mainly by the Beli Potok / Rio Bianco near the spring of the Nadiža and by the Soča near Volče – Na Dolgem) as a transitional form towards the stands of the subassociation *Salicetum eleagno-purpureae caricetosum ornithopodae*.

The new association is classified into the alliance *Salicion eleagno-daphnoidis*, order *Salicetalia purpureae*, and class *Salicetea purpureae*, even though in terms of their entire species composition at least the stands of the variant *Salicetum eleagno-appendiculatae* var. *Alnus incana* indicate the transition towards the communities from the alliance *Alnion incanae* (order *Fagetalia* and class *Querco-Fagetea*, syn. *Carpino-Fagetea*).

Stands with dominant *Ostrya carpinifolia* (Tables 4 and 7)

For adequate classification of relevés in Table 4 we made a synoptic table of hop hornbeam communities (Table 6, following Dakskobler, 2015, Table 5; the primary sources for this table include Aichinger, 1933, Poldini & Vidali, 1999, Franz & Willner, 2007a,b, and M. Wraber, 1961). The table indicates that the hop hornbeam community on rockfall, gravelly-rockfall and gravelly-colluvial material clearly differs from other hop hornbeam communities previously described in the Southeastern Alps. It is differentiated mainly by *Petasites paradoxus*, *Peucedanum verticillare*, *Rubus caesius*, *Fraxinus excelsior*, *Knautia drymeia* subsp. *intermedia*, *Salix eleagnos*, *S. purpurea*, *Alnus incana* and *Petasites hybridus*, which occur less frequently in the compared communities or not at all.

Because of initial sites (great stoniness) the researched stands show certain similarities with the stands of the association *Sileno glareosae-Ostryetum crapinifoliae* nom. prov. (Franz, 2002) or *Erico carneae-Ostryetum carpinifoliae silenetosum glareosae* (Franz & Willner, 2007a,b; see column 3 in Table 6), but the differences in the species composition are nevertheless very apparent. The most notable differential species are *Salix appendiculata*, *Acer pseudoplatanus*, *Peucedanum verticillare*, *Rubus caesius*, *Knautia drymeia* subsp. *intermedia*, *Galium laevigatum*, *Daphne mezereum*, *Asarum europaeum* subsp. *caucasicum*, *Brachypodium sylvaticum*, *Clematis vitalba*, *Hedera helix*, *Molinia arundinaceae*, and many others, but with

lesser constancy. The scree species *Petasites paradoxus* also has a much higher constancy (88%) in the stands of the studied riparian hop hornbeam community than in the stands of the subassociation *Erico-Ostryetum silenetosum glareosae* (58%).

Relevés in Table 4 are therefore classified into the new association *Peucedano verticillarii-Ostryetum carpinifoliae* ass. nov. hoc loco. Its diagnostic species are *Ostrya carpinifolia*, *Salix eleagnos*, *Alnus incana*, *Fraxinus excelsior*, *Salix appendiculata*, *Petasites paradoxus* (the latter occurs with lower constancy also in other hop hornbeam communities), *Rubus caesius*, *Peucedanum verticillare* and *Knautia drymeia* subsp. *intermedia*. The listed species indicate the contact of hop hornbeam communities with montane riparian stands of grey willow and grey alder. This hop hornbeam community shares certain diagnostic species with the association *Salicetum eleagno-appendiculatae*, with which it sometimes has a syndynamic relationship. Nevertheless, it can not be classified into the alliance *Salicion eleagno-daphnoidis*, but into the alliance *Fraxino orni-Ostryion*, order *Quercetalia pubescenti-petraeae*, and class *Querco-Fagetea* (syn. *Carpino-Fagetea*). Based on its species composition it is a fringe community of the alliance *Fraxino-Ostryion*, at the contact with communities from the alliance *Aremonio-Fagion*. This is indicated also by some of the relevés, in particular relevés 31 and 32 in Table 4, in which the common hornbeam (*Carpinus betulus*) occurs with an equal or even higher cover than hop hornbeam. The nomenclatural type of the new association, *holotypus*, is relevé 24 in Table 4. Relevés 1–15 in Table 4 indicate the initial, i.e. the shrub stage of this community (Figure 9), whereas other relevés indicate the more mature coppice forest stage (Figures 10, 11 and 12).

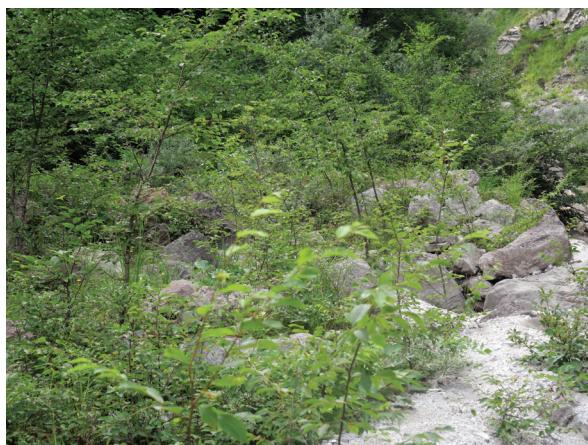


Figure 9: Beli Potok / Rio Bianco in the spring area of the Nadiža / Natisone river, shrub stage of the association *Peucedano verticillarii-Ostryetum carpinifoliae*.

Slika 9: Beli potok / Rio Bianco v povirju Nadiže, grmiščna stopnja asociacije *Peucedano verticillarii-Ostryetum carpinifoliae*.

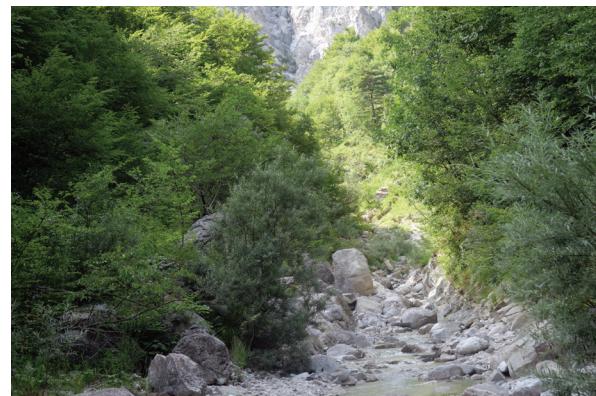


Figure 10: Beli potok / Rio Bianco in the spring area of the Nadiža / Natisone river, stand of the association *Peucedano verticillarii-Ostryetum carpinifoliae*.

Slika 10: Beli potok / Rio Bianco v povirju Nadiže, sestoj asociacije *Peucedano verticillarii-Ostryetum carpinifoliae*.



Figure 11: Left bank of the Nadiža / Natisone river, erosion area of Kras between Most na Nadiži / Ponte Vittorio and confluence with the rivulet Jamnik, stand of the association *Peucedano verticillarii-Ostryetum carpinifoliae*.

Slika 11: Levi breg Nadiže, erozijsko območje Kras med Mostom na Nadiži in sotočjem Nadiže in Jamnika, sestoj asociacije *Peucedano verticillarii-Ostryetum carpinifoliae*.



Figure 12: Stand of the association *Peucedano verticillarii-Ostryetum carpinifoliae*, right bank of the rivulet Malenšček under the waterfall Brinta (river basin of Volarja).

Slika 12: Sestoj asociacije *Peucedano verticillarii-Ostryetum carpinifoliae*, desni breg Malenščka pod slapom Brinta (povodje Volarje).

Peucedanum verticillare is a south-European montane species, a character species of screes from the alliance *Stipion calamagrostis*, which usually occurs on very dry, nutrient-poor sites on calcareous and calcareous-silicate bedrock in the colline and montane zone, rarely in the subalpine zone (Aeschimann et al., 2004: 1136). In Slovenia, it is distributed across all phytogeographical regions, with the most localities situated in northern and north-western Slovenia (Figure 13); in the lowlands it occurs mainly on gravel bars alongside rivers. According to our data it occurs in very different plant communities in the elevation belt spanning from 90 m to 1300 m, most often

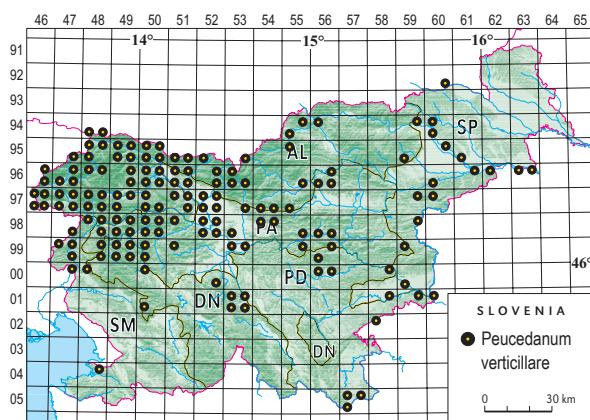


Figure 13: Distribution of *Peucedanum verticillare* in Slovenia (sources: Jogan et al., 2001, Anderle, 2023 and FloVegSi database, Seliškar et al., 2003).

Slika 13: Razširjenost vrste *Peucedanum verticillare* v Sloveniji (viri: Jogan et al., 2001, Anderle, 2023 in podatkovna baza FloVegSi, Seliškar et al., 2003).



Figure 14: Gravel and rockfall area on the right bank of the Tolminka river in Polog, initial stage of overgrowing, origin of the *Ostryo carpinifoliae* and *Salix elagnos* community (*Peucedano verticillari-Ostryetum carpinifoliae*).

Slika 14: Prodišče in podorno območje na desnem bregu Tolminke v Pologu, začetni stadiji zraščanja, znameti združbe črnega gabra in vrba (*Peucedano verticillari-Ostryetum carpinifoliae*).

on initial gravel bars, in shrub communities of grey and red willow, in riparian stands of grey alder, grey willow and Scots pine, in scree and chasmophytic communities, more rarely on dry as well as wet or spring grasslands, in hop hornbeam and flowering ash communities, in basophilous Scots pine communities, in beech forests on stony sites (source: FloVegSi database). It is a good indicator of hop hornbeam stands with grey willow and grey alder on stony banks of mountain rivers and streams.

Additionally we found initial stands of this community in the valley of the Tolminka, in Polog, on gravel bars, rockslide and landslide sites, in which hop hornbeam is gradually beginning to overgrow the gravel bar-scree community (relevés 1–3 in Table 7, Figure 14) or is predominant already in the early stages of overgrowing of landslide sites (relevé 4 in Table 7).

Pioneer community of *Salix caprea* and *Ostrya carpinifolia* on rockfall (Table 8)

A special pioneer community of willows and black hornbeam was recorded on the southern slopes of the ridge of Rdeči Rob, to the west of Javorca mountain pasture, above Zelena Glava, where several decades ago a rockfall destroyed a part of an altimontane beech forest (*Ranunculo platanifoli-Fagetum*) at the elevation of around 1100 m to 1150 m. The rockfall is now being overgrown mainly with goat willow (*Salix caprea*) – Figure 15. Table 8 comprises two relevés from the rockfall as well as two relevés with dominant *Salix caprea* in the upper stand layer: an relevé of the succession on an Alpine beech stand site (*Anemono trifoliae-Fagetum*) cleared by wildfire under Mt.



Figure 15: Stand of the association *Ostryo carpinifoliae-Salicetum capreae* on the rockfall debris on the southern slopes of the ridge of Rdeči Rob, to the west of Javorca mountain pasture.

Slika 15: Sestoj asocijacije *Ostryo carpinifoliae-Salicetum capreae* na podornem grušču na južnih pobočjih grebena Rdečega roba zahodno od planine Javorca.

Svitnjak (Svinjak) in the Bovec region, and a relevé of the forest succession on a frost-damaged area on the ridge of Mt. Ojstronica on the Trnovo Forest Plateau, on the site of a fir-beech forest from the subassociation *Omphalodo-Fagetum saxifragetosum cuneifoliae* (Surina & Dakskobler, 2013). These were the only pioneer goat willow communities which we recorded in Slovenia.

Our relevés are clearly different from the stands of the association *Salicetum capreae* Schreier 1955 as described by Exner & Willner (2007a,b), also with the absence of birch and aspen in the highest stand layer. Relevés 1 and 2 in Table 8 are provisionally classified into the association *Ostryo carpinifoliae-Salicetum capreae* nom. prov. The same association could possibly include relevé made late in autumn (so incomplete) (Nr. 3 in Table 8) from under Mt. Svitnjak (Smrekova Glava), in which larch (*Larix decidua*) has an equal cover in the upper stand layer as goat willow. The fourth relevé from the Trnovo Forest Plateau is floristically very different, in particular with an apparently higher proportion of character species of spruce forests characteristic for the class *Vaccinio-Piceetea*, and is temporarily classified into the provisional association *Clematido alpinae-Salicetum capreae* nom. prov.

The association *Ostryo carpinifoliae-Salicetum capreae* nom. prov. is classified into the alliance *Sambuco-Salicetum capreae* and class *Rhamno-Prunetea* (syn. *Crataego-Prunetea*). Its diagnostic species are *Salix caprea*, *Ostrya carpinifolia*, *Fraxinus ornus*, *Urtica dioica*, *Arabis turrita*, *Petasites paradoxus*, *Hesperis candida*, *Festuca calva*, *Primula veris* subsp. *columnae* and *Verbascum lychnitis*. The entire species composition of this pioneer stage indicates a connection with the former beech community that once grew on site and still occurs on the margins of the rockfall.

Community of *Ostrya carpinifolia* with *Scopolia carniolica* (Table 5)

Table 5 shows arranged 18 relevés by hierarchical clustering of a hop hornbeam community on slightly moist and very steep (35°–70°) rock slopes, rarely on talus slopes. They are found in the submontane and lower montane belt at the elevation spanning 260 m to 775 m, namely on the slopes of Robarjev Grič above the gorges of Črtova Grapa and Batava (Podbrdo), in the Zakoča Gorge, in a gorge under Stružnik (Dolenja Trebuša) above the left bank of the Idrijca at Stopnik, and on both banks of the Gačnik (Dolenja Trebuša) – Figure 16. The geological bedrock is dolomite, rubble or rockfall material (Zakoča and Dolenja Trebuša), or platy limestone admixed with marlstone and chert (Podbrdo). The soil type is rendzina, sometimes lithosol or colluvial-deluvial soils.

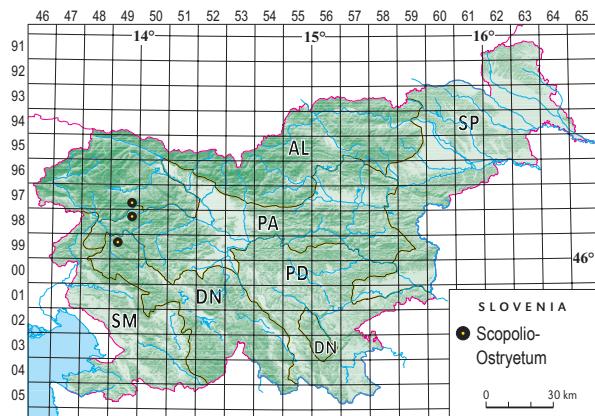


Figure 16: Approximate localities of stands of the association *Scopolio-Ostryetum* on the map of Slovenia.

Slika 16: Približna nahajališča sestojev asociacije *Scopolio-Ostryetum* na zemljevidu Slovenije.

Having compared our relevés with similar hop hornbeam communities in the Southeastern Alps and the northern Dinaric Alps (Table 6), we identified significant differences between them, namely in the proportion of character species of maple-linden forests from the alliance *Tilio-Acerion*, and certain character species of the alliance *Aremonio-Fagion* and order *Fagetalia sylvaticae*. Such differential species are *Scopolia carniolica*, *Galeobdolon flavidum*, *Polystichum aculeatum*, *Acer pseudoplatanus*, *Lamium orvala*, *Senecio ovatus* (S. fuchsii), *Cardamine trifolia*, *Euonymus latifolia*, *Adenostyles glabra*, *Ulmus glabra* and *Acer platanoides*. Most of the listed species are shared with the stands of the association *Peucedano verticillari-Ostryetum*, that occur on different sites. The recorded stands are therefore classified into the new association *Scopolio carniolicae-Ostryetum carpinifoliae* ass. nov. hoc loco, which comprises the above-listed diagnostic species to which we added the moss *Fissidens dubius*. Its nomenclatural type, *holotypus*, is relevé 15 in Table 5.

In the pre-Alpine-Dinaric part of western Slovenia *Scopolia carniolica* (Figure 17) is a frequent species of slightly hygrophilous beech and maple-ash forests on calcareous and calcareous-silicate bedrock from the colline to the upper part of the montane zone. It also occurs in riparian stands of grey alder, in tall herb communities, and sometimes also in communities of moist rock fissures (sources: FloVegSi database and Dakskobler, 2024). The co-occurrence of *Ostrya carpinifolia* and *Scopolia carniolica* was identified also in certain relevés of associations *Lamio orvalae-Alnetum incanae*, *Saxifrago petraeae-Tilieturn*, *Veratro nigri-Fraxinetum*, *Carici albae-Carpinetum*, *Arunco-Fagetum*, *Lamio orvalae-Aceretum*, *Omphalodo-Aceretum*, *Lamio orvalae-Salicetum eleagni*, *Lamio orvalae-Alnetum incanae*, *Omphalodo-Fagetum*, *Homogyno*



Figure 17: *Scopolia carniolica* in Batava at Podbrdo.

Slika 17: Kranjski volčič (*Scopolia carniolica*) v Batavi pri Podbrdu.

sylvestris-Fagetum, *Lamio orvalae-Fagetum*, *Alno incanae-Pinetum sylvestris*, *Hacquetio-Fraxinetum*, *Carici albae-Tilieturn*, *Scopolio-Petasitetum albi*, *Hacquetio-Fagetum*, *Rhododendo hirsuti-Fagetum* and *Rhododendo hirsuti-Ostryetum* (source: FloVegSi database). Its occurrence in the hop hornbeam community indicates slightly different sites that are moister than the sites otherwise characteristic for hop hornbeam communities.

The new association is divided into three variants. Relevés 1–10 in Table 5 are classified into the variant with *Anemone trifolia*. The geological bedrock consists mainly of dolomite or dolomite rubble. The differential species of this variant are also *Carex alba*, *Paederota lutea*, *Oxalis acetosella*, *Phyteuma scheuchzeri* subsp. *columnae*, *Veratrum nigrum*, *Rhododendron hirsutum*, *Astrantia carniolica*, *Orthothecium rufescens*, *Fraxinus excelsior* and *Paris quadrifolia*. Some of the stands of this variant show certain similarity with the stands of the association *Rhododendro hirsuti-Ostryetum* that occur on similar extreme sites, but on slightly different soils with moder rendzina (Dakskobler, 2015). The species that differentiate the stands of the variant *Scopolio-Ostryetum* var. *Anemone trifolia* against the stands of the association *Rhododendro-Ostryetum* are *Scopolia carniolica*, *Lamium orvala*, *Conocephalum conicum* and *Oxalis acetosella*, whereas the species that differentiate the stands of the association *Rhododendro-Ostryetum* against the stands of the variant *Scopolio-Ostryetum* var. *Anemone trifolia* include *Erica carnea*, *Rubus saxatilis*, *Polygala chamaebuxus*, *Vincetoxicum hirundinaria*, *Carex humilis*, *Valeriana saxatilis*, *Amelanchier ovalis*, *Hieracium murorum* and *Sorbus aucuparia*.



Figure 18: Stand of the association *Scopolio carniolicae-Ostryetum*, Batava at Podbrdo, Črtova Grapa.

Slika 18: Sestoj asocijacije *Scopolio carniolicae-Ostryetum*, Batava pri Podbrdu, Črtova grapa.

Relevés 11–17 in Table 5, where the geological bedrock is composed predominantly of platy limestone with an admixture of marlstone and chert, are classified into the variant with *Geranium robertianum* (Figure 18). Its differential species are also *Veronica urticifolia*, *Arabis turrita*, *Cardamine bulbifera* and *Campanula carnica*. The last relevé in Table 5, relevé 18, is classified into the variant with *Petasites albus*. The geological bedrock is slope talus, and this is also the stand that resembles a maple community more than any other of the described stands.

There are two alternatives in classifying the association *Scopolio carniolicae-Ostryetum* into higher syntaxonomic units – it can be classified either into the alliance *Fraxino orni-Ostryion* and order *Quercetalia pubescenti-petraeae*, or into the suballiance *Ostryo-Tilienion*, alliance *Tilio-Acerion*, and order *Fagetalia sylvaticae*. The shares of character species of the alliances *Tilio-Acerion* and *Fraxino orni-Ostryion* are more or less equal in this association. Taking into account the dominant species of the upper stand layer (mainly hop hornbeam, only in several relevés with sycamore maple as its equal) we decided in favour of the alliance *Fraxino orni-Ostryion*. Likewise, we recently (Dakskobler, 2023) decided to classify the association *Corydalido ochroleucae-Ostryetum* into the alliance *Carpinion orientalis* (although its entire species composition suggests it could also be classified into the suballiance *Ostryo-Tilienion* and alliance *Tilio-Acerion*).

Classification of studied communities into the syntaxonomical system

Salicetea purpureae Moor 1958

Salicetalia purpureae Moor 1958

Salicion eleagno-daphnoidis (Moor 1958) Grass 1993

Salicetum eleagno-appendiculatae ass. nov.

Querco-Fagetea Br.-Bl. et Vlieger in Vlieger 1937 (syn.

Carpino-Fagetea sylvaticae Jakucs ex Passarge 1968)

Quercetalia pubescenti-petraeae Klika 1933

Fraxino orni-Ostryion Tomačič 1940

Peucedano verticillari-Ostryetum carpinifoliae ass. nov.

Scopolio carniolicae-Ostryetum carpinifoliae ass. nov.

According to Mucina et al. (2016):

Quercetea pubescens Doing-Kraft ex Scamoni et Passarge

1959

Quercetalia pubescenti-petraeae Klika 1933

Carpinion orientalis Horvat 1958

Peucedano verticillari-Ostryetum carpinifoliae ass. nov.

Scopolio carniolicae-Ostryetum carpinifoliae ass. nov.

Crataego-Prunetea Tx. 1962 nom. conserv. propos. (syn.
Rhamno-Prunetea Rivas Goday et Borja Carbonell ex
Westhoff 1967)

Prunetalia spinosae Tx. 1952

Sambuco-Salicion capreae Tx. et Neumann ex Oberd.
1957

Ostryo carpinifoliae-Salicetum capreae nom. prov.

Clematido alpinae-Salicetum capreae nom. prov.

Nature conservation status of described pioneer communities

In its upper course on the border between Slovenia and Italy, from the springs under the ridge of Stol to Robič, the Nadiža / Natisone River is probably one of the best preserved Alpine rivers. Especially in the spring area, by the streams of Beli Potok / Rio Bianco, Črni Potok / Rio Nero and Plazi Potok as well as downstream until it reaches Napoleon Bridge at Podbela, the Nadiža and its larger tributaries Legrada / Lerada and Jamnik run through a predominantly forested area. The mosaic of plant communities that have already been described (Čušin, 2001, 2002, 2006; Dakskobler & Pavlin, 2020, 2023) in its riparian zone from initial gravel bars, grey and red willow shrub communities, riparian grey alder stands, and riverine common hornbeam and beech forests, was complemented with descriptions of two communities of grey

willow, large-leaved willow and hop hornbeam in narrow gorges and valleys where small-area gravel deposits combine with rockfall material, slope talus and colluvium. Both communities are good indicators of a natural environment where human activity has not yet left a mark on watercourses with bank fortifications or barriers, and this is also the desired scenario for the future. Area on the Italian side (the Beli Potok / Rio Bianco, the right bank of the Črni Potok / Rio Nero, and the right bank of the Nadiža / Natisone from the confluence of the Rio Bianco and the Rio Nero to Ponte Vittorio (Most na Nadiži)) is protected as a Natura 2000 site Rio Bianco di Taipana e Gran Monte. In Slovenia, the Nadiža is protected as a natural monument from its source to the Robič border crossing, i.e. across its entire course in Slovenia (Čušin, 2006). Strict compliance with protection rules is the only way to enable the natural development of plant communities in the riparian zone, including communities resembling the ones described herein.

From its sources in the Trenta Valley to the confluence with the Tolminka near Tolmin, the Soča River has a similar protection status as the Nadiža (Rojšek, 2023), but this status is often disregarded and ignored, at least in the section between Tolmin and Kobarid. There are also smaller areas at the foothills of Kolovrat with similar sites and stands to those described by the Nadiža. More such sites and stands can be found in the ravine that the Soča cut between Srpenica and Kobarid especially on the left bank (between Log Čezsoški and Magozd). Although the riparian zone is much more easily traversable there than it is by the spring branches of the Nadiža, the Soča River's banks in this section are still natural. Any human interventions into the space above this ravine, such as the construction of roads and pathways, should be made with this in mind. However, the incident that occurred several years ago during the restoration of the existing road when construction workers filled the embankment on the right bank of the Soča between Kobarid and Trnovo with excavated material almost down to the riverbed, demonstrated that this is frequently overlooked. Vegetation growth on the banks of the Soča River should therefore, where possible, be left to the natural development.

The stands of the communities described in the Volarje river basin are situated in areas that are very difficult to access, and most of the stands in the Tolminka valley are part of the Triglav National Park. The described riparian pioneer communities comprise also the localities of several protected species (Anon., 2004): *Convallaria majalis*, *Cyclamen purpurascens*, *Epipactis atrorubens*, *Dactylorhiza fuchsii*, *Galanthus nivalis*, *Gymnadenia conopsea*, *Helleborus odorus*, *H. niger*, *Hemerocallis lilioasphodelus*, *Listera ovata* and Red List species (Anon., 2002): *Equisetum var-*

iegatum, *E. ramosissimum*, *Euphorbia kernerii*, *Hieracium pospischalii*, *Spiraea decumbens* subsp. *decumbens*, *Thesium rostratum* and *Veratrum nigrum*.

Similar pioneer shrub-woody communities in the river basin of the Idrijca, in the valley of the Trebuša and the Cerkno Hills are frequently subject to human activity, such as the construction of drag roads. It should be noted that these communities may also comprise sites of the protected species of European conservation importance, *Primula carniolica*, for example the stand of the association *Peucedano verticillarii-Ostryetum carpinifoliae* in the gorge of Kazarska Grapa (Dakskobler & Martinčič, 2020).

Conclusions

Natural banks of certain mountain rivers in (north)western Slovenia feature special vegetation that has developed as a result of the contact of gravel, talus, rockfall, alluvium and colluvium. Species of gravel bars, riparian stands and steep rocky forests grow side by side on small areas. We conducted a phytosociological survey of these, sometimes syndynamically connected pioneer communities, and arranged more than one hundred relevés into three groups. We compared them with similar communities of gravel bars, riparian stands and slope forests on stony terrain, and identified their floristic characteristics. These are so significantly different that we find it more appropriate to describe them as new associations, rather than classify them as subunits (subassociations) of previously described communities. We identified two pioneer communities on river banks, namely associations *Salicetum eleagno-appendiculatae* and *Peucedano verticillarii-Ostryetum carpinifoliae*, and a new hop hornbeam community on slightly moist steep rocky slopes, rarely on slope talus, which was described as the association *Scopolio carniolicae-Ostryetum carpinifoliae* and has some of the characteristics of noble hardwood forests.

Povzetek

Sukcesijski razvoj grmično-gozdnega rastja na naravnih rečnih brežinah ob nekaterih vodotokih v Julijskih Alpah in njihovem prigorju (zahodna Slovenija in severovzhodna Italija)

V zahodni Sloveniji, ob Nadiži, Soči, Volarji in Tolminku ter ob nekaterih pritokih Idrije smo fitocenološko popisali grmiča in nizke gozdne sestoje vrba, črnega gabra, malega jesena in plemenitih listavcev na rečnih brežinah, na stiku proda, grušča, podornega skalovja in koluvija. Več kot sto fitocenoloških popisov smo uredili v tri preglednice in jih na podlagi primerjave z že prej opisani-

mi podobnimi rastlinskimi združbami uvrstili v dve novi asociacijski *Salicetum eleagno-appendiculatae* in *Peucedano verticillarii-Ostryetum carpinifoliae*.

V najvišji plasti sestojev asociacije *Salicetum eleagno-appendiculatae* prevladuje siva vrba (*Salix eleagnos*). Njihova vrstna sestava se očitno razlikuje od sestojev dveh nekoliko podobnih združb sive vrbe, *Salicetum eleagno-purpureae caricetosum ornithopodae* in *Lamio orvalae-Salicetum eleagni caricetosum albae*. Njene diagnostične vrste so *Salix eleagnos*, *Ostrya carpinifolia*, *Fraxinus ornus*, *Salix appendiculata*, *Petasites paradoxus*, *Peucedanum verticillare*, *Calamagrostis varia*, *Sesleria caerulea*, *Carex ornithopoda* in *Bupleurum salicifolium*, vrste z večjo stalnostjo pa so še *Alnus incana*, *Frangula alnus*, *Clematis vitalba*, *Cornus sanguinea*, *Corylus avellana*, *Rubus caesius*, *Knautia drymeia* subsp. *intermedia*, *Acer pseudoplatanus*, *Fraxinus excelsior*, *Brachypodium sylvaticum*, *Salvia glutinosa*, *Galium laevigatum*, *Hedera helix*, *Molinia arundinacea*, *Eupatorium cannabinum*, *Chaerophyllum hirsutum*, *Cirsium oleraceum*, *Centaurea carniolica*, *Achnatherum calamagrostis*, *Hieracium bifidum*, *Schistidium apocarpum*, *Tortella tortuosa*, *Ctenidium molluscum* in *Brachythecium rutabulum*. Njen nomenklturni tip, *holotypus*, je popis št. 11 v Tabeli 1.

Razlikujemo dve varianti. Za sestoje variante z vrsto *Geranium robertianum* je značilno, da uspevajo na podornem skalovju in vsebujejo manj prodiščnih vrst. Razlikovalnice variante z vrsto *Alnus incana* so vrste *Frangula alnus*, *Ulmus glabra*, *Tilia cordata*, *Cornus sanguinea*, *Crataegus monogyna*, *Rubus caesius*, *Knautia drymeia* subsp. *intermedia* in *Aruncus dioicus* in njeni sestoji so bolj tipični za novo asociacijo.

Pionirske sestoje na rečnih brežinah, v katerih v zgornji sestojni plasti prevladuje črni gaber, smo primerjali z do zdaj opisanimi združbami črnega gabra v Jugovhodnih Alpah in severnem delu Dinarskega gorstva in ugotovili, da se od njih po celotni vrstni sestavi očitno razlikujejo. Še posebej jih razlikujejo vrste *Petasites paradoxus*, *Peucedanum verticillare*, *Rubus caesius*, *Fraxinus excelsior*, *Knautia drymeia* subsp. *intermedia*, *Salix eleagnos*, *S. purpurea*, *Alnus incana* in *Petasites hybridus*, ki se v primerjanih združbah redkeje ali sploh ne pojavljajo. Tudi primerjava s sestoji po rastiščih nekoliko podobne črnogabrove asociacije oz. subasociacije *Sileno glareosae-Ostryetum carpinifoliae* oz. *Erico carneae-Ostryetum carpinifoliae silenetosum glareosae* je pokazala na očitne razlike v vrstni sestvi. Najbolj izstopajoče razlikovalne vrste so *Salix appendiculata*, *Acer pseudoplatanus*, *Peucedanum verticillare*, *Rubus caesius*, *Knautia drymeia* subsp. *intermedia*, *Galium laevigatum*, *Daphne mezereum*, *Asarum europaeum* subsp. *caucasicum*, *Brachypodium sylvaticum*, *Clematis vitalba*, *Hedera helix*, *Molinia arundinacea*. Zato popise v Tabeli 4 uvrščamo v novo asociacijo *Peucedano verticillari-*

Ostryetum carpinifoliae ass. nov. Njen nomenklturni tip, *holotypus*, je popis 24 v Tabeli 4. Popis št. 1–15 v tej tabeli označujejo inicialno, grmiščno fazo te združbe, ostali popisi zrelejšo, gozdnou fazo.

Posebno pionirska združbo vrb in črnega gabra smo opisali na podornem skalovju v južnih Julijskih Alpah, pod grebenom Rdečega roba nad dolino Tolminke. Na podlagi le nekaj popisov sestojev s prevladajočo ivo (*Salix caprea*) – Tabela 8, smo opisali provizorno asociacijo *Ostryo carpinifoliae-Salicetum capreae* nom. prov., ki jo označujejo vrste *Salix caprea*, *Ostrya carpinifolia*, *Fraxinus ornus*, *Urtica dioica*, *Arabis turrita*, *Petasites paradoxus*, *Hesperis candida*, *Festuca calva*, *Primula veris* subsp. *columnae* in *Verbascum lychnitis*.

V nekoliko vlažnem in zelo strmem (35°–70°) skalovju, redkeje na pobočnem grušču v predalpskem in dinarskem fitogeografskem območju Slovenije smo opisali združbo črnega gabra, ki se od primerjanih podobnih združb razlikuje predvsem v deležu značilnih vrst favorjevo-lipovih gozdov iz zveze *Tilio-Acerion*, nekaterih značilnih vrst zveze *Aremonio-Fagion* in reda *Fagetalia sylvaticae*. Takšne razlikovalne vrste so *Scopolia carniolica*, *Galeobdolon flavidum*, *Polystichum aculeatum*, *Acer pseudoplatanus*, *Lamium orvala*, *Senecio ovatus* (*S. fuchsii*), *Cardamine trifolia*, *Euonymus latifolia*, *Adenostyles glabra*, *Ulmus glabra* in *Acer platanoides*. Te sestoje črnega gabra uvrščamo v novo asociacijo *Scopolio carniolicae-Ostryetum carpinifoliae* ass. nov. Njen nomenklturni tip, *holotypus*, je popis št. 15 v Tabeli 5. Njena vrstna sestav kaže na prehodno združbo med dvema zvezama in dvema redoma: *Fraxino ornii-Ostrytion* in *Quercetalia pubescenti-petraeae* in *Tilio-Acerion* in *Fagetalia sylvaticae*. Po prevladajoči vrsti zgornje sestojne plasti za zdaj dajemo prednost prvi možnosti.

Opisane pionirske združbe smo večinoma našli v povodju rek Nadiže, Soče in Tolminke. Prva je na italijanskem ozemlju del Natura 2000 območja Rio Bianco di Taipana e Gran Monte, na slovenskem ozemlju pa je kot naravni spomenik zavarovana od izvirov do mejnega prehoda Robič. Podoben varovalni status ima tudi reka Soča od izvirov v Trenti do sotočja s Tolminko pri Tolminu. Pionirski obrežni sestoji ob Tolminki so večinoma znotraj Triglavskega naravnega parka. Zato upamo, da bo rastje na obrežjih omenjenih treh gorskih rek prepuščeno predvsem naravnemu razvoju in nanj tudi v bodoče človek neposredno ne bo vplival.

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Table 1 *Salicetum eleagno-appendiculatae* var. *Geranium robertianum*, var. *Alnus incana*

	Number of relevé (Započetna štev. popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
Diagnostic species of the association (Diagnostične vrste asocijacije)																														
TR	<i>Petasites paradoxus</i>	E1	+	1	4	3	1	2	3	3	3	3	1	3	3	3	2	4	1	+	1	3	+	+	+	+	+	27	100	
SP	<i>Salix elegans</i>	E3	4	4	4	3	1	3	3	4	4	3	3	4	4	4	4	1	4	2	3	2	.	.	.	.	.	26	96
SP	<i>Salix elegans</i>	E2	.	.	.	.	.	1	2	.	.	1	1	+	1	.	.	.	.	.	.	.	.	.	.	.	2	9	33
EP	<i>Calamagrostis varia</i>	E1	+	1	1	1	2	1	3	3	2	3	1	1	1	2	1	+	.	.	3	+	.	.	.	.	.	20	74
BA	<i>Salix appendiculata</i>	E3	+	2	2	1	+	.	.	.	.	.	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	7	26
BA	<i>Salix appendiculata</i>	E2	1	.	+	1	1	+	.	3	2	.	2	.	1	+	1	.	.	.	.	.	.	.	.	.	.	18	67
QP	<i>Ostrya carpinifolia</i>	E3	.	.	1	4	3	3	.	1	1	1	2	.	1	+	1	.	+	1	2	1	2	1	1	2	17	63		
QP	<i>Ostrya carpinifolia</i>	E2	.	1	+	.	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	56	
ES	<i>Sesleria acerulea</i>	E1	+	+	+	+	+	+	+	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	59	
Sct	<i>Peucedanum verticillare</i>	E1	.	.	.	.	.	.	.	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	56
FB	<i>Bupleurum salicifolium</i>	E1	+	1	+	.	1	1	2	3	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12	44
QP	<i>Fraxinus ornus</i>	E3	.	.	+	+	+	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	33		
QP	<i>Fraxinus ornus</i>	E2	.	+	+	+	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	59	
EP	<i>Carex ornithopoda</i>	E1	.	+	.	.	.	.	.	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	37
Differential species of variants (Razlikovalnice variant)																														
TA	<i>Geranium robertianum</i>	E1	1	+	1	+	1	+	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	37
AT	<i>Asplenium trichomanes</i>	E1	+	1	+	1	+	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	33
FS	<i>Galeobdolon luteum</i>	E1	r	+	1	+	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	30
QF	<i>Lonicera xylosteum</i>	E2	1	+	1	1	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	30
AT	<i>Polypodium vulgare</i>	E1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	22		
AF	<i>Cyclamen purpurascens</i>	E1	+	1	.	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	19		
AF	<i>Cardamine trifolia</i>	E1	.	+	+	+	+	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	19			
QP	<i>Arabis turrita</i>	E1	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	11		
AF	<i>Cardamine enneaphyllos</i>	E1	1	1	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7		
AI	<i>Rubus caesius</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	41
AI	<i>Ahnfeltia incana</i>	E3	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12	44
AI	<i>Ahnfeltia incana</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	26
AI	<i>Knautia drymeia</i> subsp. <i>intermedia</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12	44
AI	<i>Fragaria ananassa</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
AI	<i>Fragaria ananassa</i>	E2b	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	41
AI	<i>Fragaria ananassa</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	12	44
TA	<i>Ulmus glabra</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	15
TA	<i>Ulmus glabra</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	41
TA	<i>Aruncus dioicus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	30
TA	<i>Thlaspi cordata</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	19
TA	<i>Thlaspi cordata</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	22

		Number of relevé (Zapoředna štěv. popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
SP	<i>Salicetea purpureae</i>																														
	<i>Salix purpurea</i>	E3	2	7	
	<i>Salix purpurea</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	22
	<i>Populus nigra</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
AI	<i>Ahnion incanae</i>																														
	<i>Festuca gigantea</i>	E1	.	1	1	1	+	5	19	
	<i>Cardamine impatiens</i>	E1	+	+	3	11	
	<i>Viburnum opulus</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	<i>Agropyron caninum</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	<i>Alnus glutinosa</i>	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	<i>Equisetum hyemale</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
QP	<i>Quercetalia pubescenti-petraeae</i>																														
	<i>Dichoropetalum schottii (Peucedanum schottii)</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Sorbus aria (Aria edulis)</i>	E3b	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	<i>Sorbus aria (Aria edulis)</i>	E2b	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
	<i>Carex flacca</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
	<i>Clematis recta</i>	E2a	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	<i>Coronilla emerusoides</i>	E2	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	<i>Melittis melissophyllum</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	<i>Primula veris subsp. <i>columnae</i></i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
	<i>Viola mirabilis</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
EC	<i>Erythronio-Carpinion</i>																														
	<i>Primula vulgaris</i>	E1	+	.	.	.	1	+	5	19	
	<i>Galanthus nivalis</i>	E1	+	+	+	.	5	19	
	<i>Helleborus odorus</i>	E1	+	+	+	.	5	19	
	<i>Crocus vernus subsp. <i>vernus</i></i>	E1	+	+	+	.	2	7	
AF	<i>Aremonio-Fagion</i>																														
	<i>Rhamnus fallax</i>	E2	.	+	.	+	.	.	.	1	+	.	.	.	1	1	+	.	6	22
	<i>Omphalodes verna</i>	E1	1	+	1	+	.	6	22
	<i>Lamium galeobdolon</i>	E1	r	1	+	1	+	.	5	19
	<i>Anemone trifolia</i>	E1	.	.	+	+	+	+	.	5	19	
	<i>Knautia drymeia</i>	E1	1	1	.	.	1	+	.	5	19	
	<i>Helleborus niger</i>	E1	+	1	1	.	.	1	1	.	4	15	
	<i>Hemerocallis lithophila</i>	E1	+	2	1	.	2	7	
	<i>Arenaria agrimonoides</i>	E1	+	+	1	4	1	4	
	<i>Epimedium alpinum</i>	E1	+	2	1	4	1	4	
	<i>Euphorbia carniolica</i>	E1	+	+	1	4	1	4	

	Number of relevé (Zapoředna štěv. popisá)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
TA <i>Tilio-Acerion</i>																															
<i>Phyllitis scolopendrium</i>	E1	+	1	1	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	7	26	
<i>Acer pseudoplatanus</i>	E3	·	·	·	1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	6	22					
<i>Acer pseudoplatanus</i>	E2	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	1	+	·	·	·	·	·	1	·	·	·	7	26		
<i>Acer pseudoplatanus</i>	E1	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	3	11			
<i>Lunaria rediviva</i>	E1	·	2	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7			
<i>Polygonatum aculeatum</i>	E1	·	·	+	·	1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7			
<i>Tephroseris pseudocrispia</i>	E3b	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
<i>Tilia platyphyllos</i>	E2b	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	1	4			
<i>Acer platanoides</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
<i>Thalictrum aquilegifolium</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
<i>Dryopteris affinis</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
FS <i>Fagetalia sylvatica</i>																															
<i>Brachypodium sylvaticum</i>	E1	1	·	1	·	·	+	+	1	·	·	1	1	+	+	+	+	+	+	1	1	+	+	1	+	+	1	21	78		
<i>Salvia glutinosa</i>	E1	1	1	·	1	·	·	1	·	·	1	·	·	+	+	+	+	+	+	1	·	·	+	+	+	+	17	63			
<i>Gaultheria lanigera</i>	E1	·	+	+	·	1	+	1	+	·	·	·	·	·	·	·	1	+	·	+	+	+	·	·	·	14	52				
<i>Daphne mezereum</i>	E2a	+	+	+	+	·	·	·	·	·	·	·	·	·	·	·	·	+	+	+	+	+	+	·	·	9	33				
<i>Myrsinella muralis</i>	E1	1	+	+	+	+	+	1	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	8	30				
<i>Mercurialis perennis</i>	E1	1	1	+	·	+	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	7	26				
<i>Azurum europaeum</i> subsp. <i>caucasicum</i>	E1	+	·	+	·	1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	7	26				
<i>Fraxinus excelsior</i>	E3	·	·	+	·	·	·	·	·	·	·	1	·	·	1	·	·	2	+	+	+	·	2	·	·	5	19				
<i>Fraxinus excelsior</i>	E2	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	+	2	+	+	+	·	·	10	37					
<i>Fagus sylvatica</i>	E3	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11				
<i>Fagus sylvatica</i>	E2	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	7	26				
<i>Leucijum vernum</i>	E1	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	1	4				
<i>Pulmonaria officinalis</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	4	15				
<i>Sambucus nigra</i>	E2	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				
<i>Campanula trachelium</i>	E1	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11				
<i>Viola reichenbachiana</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11				
<i>Cardamine pentaphyllos</i>	E1	r	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				
<i>Dryopteris filix-mas</i>	E1	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				
<i>Laburnum alpinum</i>	E3	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				
<i>Laburnum alpinum</i>	E2	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				
<i>Melica nutans</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				
<i>Carpinus betulus</i>	E3	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	2				
<i>Carpinus betulus</i>	E2	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4				
<i>Allium ursinum</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	2				
<i>Carex sylvatica</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7				

	Number of relevé (Zapoředna štěv. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
<i>Ranunculus lanuginosus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Henacium sphonodiatum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Neottia nidus-avis</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Serophularia nodosa</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Prenanthes purpurea</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Sympyton tuberosum</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Epipactis helleborine</i>	E1	.	.	.	.	.	+	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	
<i>Lathyrus vernus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Petasites albus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Lonicera apigenia</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Luzula nivea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
QR Quercetalia roboris																															
<i>Potentilla erecta</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Populus tremula</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Populus tremula</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Betula pendula</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Hieracium incensum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
QF Quero-Fagetea																															
<i>Clematis vitalba</i>	E3a	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
<i>Clematis vitalba</i>	E2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	15	56
<i>Carex digitata</i>	E1	1	2	+	.	1	1	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	13	48	
<i>Corylus avellana</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	15
<i>Corylus avellana</i>	E2b	.	.	.	1	.	1	.	2	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	33		
<i>Corylus avellana</i>	E2a	.	.	.	.	+	.	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	30		
<i>Heuchera helix</i>	E1	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	33	
<i>Agropodium podagraria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	19	
<i>Listera ovata</i>	E1	+	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	19	
<i>Vinca minor</i>	E1	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5	19
<i>Dactylorhiza fuchsii</i>	E1	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	15	
<i>Hepatica nobilis</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	15
<i>Viola riviniana</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	
<i>Veratrum nigrum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	
<i>Anemone ranunculoides</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	
<i>Anemone nemorosa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	
<i>Acer campestre</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	
<i>Acer campestre</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	
<i>Censtium sylvaticum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	
<i>Gagea lutea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	
<i>Rosa arvensis</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	

		Number of relevé (Zapoředna štv. popisa)																				Pr.	Fr.							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
EP	Erico-Pinetea																													
	<i>Molinia arundinacea</i>	E1	+	·	·	·	·	1	+	·	·	·	·	·	·	+	·	+	3	1	·	·	+	1	·	·	·	·	9	33
	<i>Carex alba</i>	E1	+	·	·	·	·	·	·	+	1	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	4	15	
	<i>Rubus saxatilis</i>	E1	·	+	·	·	·	·	+	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	4	15	
	<i>Erica carnea</i>	E1	+	·	+	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11	
	<i>Rhododendron hirsutum</i>	E2a	·	r	·	1	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11	
	<i>Aquilegia nigricans</i>	E1	·	·	·	·	·	+	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	3	11	
	<i>Polygonatum multiflorum</i>	E1	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11	
	<i>Genista radiata</i>	E2a	·	·	·	·	·	·	+	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	2	7	
	<i>Aster amellus</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	2	7	
	<i>Leontodon incanus</i>	E1	·	+	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4		
	<i>Euphrasia cuspidata</i>	E1	·	·	·	·	·	·	·	·	r	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4		
	<i>Chamaecytisus hirsutus</i>	E2a	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11		
	<i>Chamaecytisus purpureus</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	1	4		
VP	Vaccinio-Piceeta																													
	<i>Picea abies</i>	E3	·	·	·	·	1	·	1	r	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	3	11		
	<i>Picea abies</i>	E2	·	1	+	·	1	1	·	·	+	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	8	30		
	<i>Picea abies</i>	E1	+	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	2	7			
	<i>Veronica urticifolia</i>	E1	·	·	·	·	·	+	·	1	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	+	5	19		
	<i>Solidago virgaurea</i>	E1	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	4	15		
	<i>Aposeris foetida</i>	E1	·	·	·	·	·	·	·	+	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	4	15			
	<i>Gentiana asclepiadea</i>	E1	·	·	·	·	·	·	·	1	+	·	·	·	·	·	·	+	·	·	·	·	·	·	·	2	7			
	<i>Valeriana tripteris</i>	E1	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	7			
	<i>Oxalis acetosella</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
	<i>Saxifraga cuneifolia</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
	<i>Abies alba</i>	E2a	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
	<i>Rosa pendulina</i>	E2a	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	4			
RP	Rhamno-Pruneta																													
	<i>Cornus sanguinea</i>	E3	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	1	4			
	<i>Cornus sanguinea</i>	E2b	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	+	1	·	1	·	·	·	·	+	8	30		
	<i>Cornus sanguinea</i>	E2a	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	+	1	·	1	·	·	·	1	4			
	<i>Cratagetus monogyna</i>	E1	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	2	5	19			
	<i>Crataegus monogyna</i>	E3a	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	3	11			
	<i>Crataegus monogyna</i>	E2b	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1	1	·	+	·	·	·	·	·	6	22			
	<i>Ligustrum vulgare</i>	E2a	·	·	·	·	·	·	·	·	·	·	·	·	·	·	2	+	1	2	·	·	·	·	·	3	·	5	19	
	<i>Euonymus europaea</i>	E2a	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	+	4	15		
	<i>Berberis vulgaris</i>	E2	·	·	·	·	·	·	·	·	·	·	·	·	·	·	+	·	·	·	·	·	·	·	·	4	15			

	Number of relevé (Zapoředna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
<i>Rubus fruticosus</i> agg.	E2	2	7	
<i>Rosa canina</i>	E2a	2	7	
<i>Rosa glauca</i>	E2a	2	7	
<i>Viburnum lantana</i>	E2b	2	7	
EA Epilobieterria angustifolioli																															
<i>Eupatorium cannabinum</i>	E1	.	+	+	.	1	1	+	.	.	.	+	.	+	.	+	+	+	+	+	1	13	48	
<i>Fragaria vesca</i>	E1	.	.	.	.	.	.	+	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	4	15
<i>Solanum dulcamara</i>	E1	1	4	
<i>Calepitríspicrispa</i>	E1	1	4	
<i>Stachys sylvatica</i>	E1	1	4	
BA Betulo-Alnetea																															
<i>Salix glabra</i>	E2a	1	1	4	
MuA Malgedio-Aconitea																															
<i>Chaerophyllum hirsutum</i>	E1	+	+	1	1	.	.	.	1	.	+	.	+	.	+	1	.	+	1	1	1	+	.	+	.	+	.	19	70		
<i>Senecio ovatus</i> (S. <i>fuchsii</i>)	E1	+	+	1	1	.	.	+	+	r	+	11	41	
<i>Aconitum lycoctonum</i>	E1	+	4	15	
<i>Aconitum degenii</i> subsp. <i>paniculatum</i>	E1	.	.	+	1	4	
<i>Silene dioica</i>	E1	.	.	+	1	4	
<i>Senecio nemorensis</i>	E1	+	1	4	
<i>Saxifraga rotundifolia</i>	E1	+	1	4	
TG Trifolio-Geranietea																															
<i>Origanum vulgare</i>	E1	.	.	.	.	.	.	.	1	.	+	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	6	22
<i>Campanula rapunculoides</i>	E1	.	.	.	.	.	.	+	.	1	+	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	2	7
<i>Libanoitis daucifolia</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Hieracium umbellatum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Iris graminea</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Athillea distans</i>	E1	.	.	.	.	.	.	+	.	1	+	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4	
<i>Laserpitium latifolium</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	1	4
<i>Astragalus glycyphyllos</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	1	4
<i>Hypericum perforatum</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	1	4
<i>Libanotis sibirica</i> subsp. <i>montana</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	1	4
<i>Lithospermum officinale</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	1	4
FB Festuco-Brometea																															
<i>Euphorbia cyparissias</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	7	26
<i>Cirsium erisithales</i>	E1	+	.	.	.	.	.	+	1	1	+	.	.	.	.	+	1	.	.	.	.	1	.	.	.	.	6	22	
<i>Pseuderanthemum oreoselinum</i>	E1	.	.	.	.	.	.	+	+	1	.	.	.	.	+	1	.	.	.	.	.	.	.	.	.	.	4	15	
<i>Centaura bracteata</i>	E1	.	.	.	.	.	.	+	+	1	.	.	.	.	+	1	.	.	.	.	.	.	.	.	.	.	3	11	
<i>Carex humilis</i>	E1	.	.	.	.	.	.	+	+	1	.	.	.	.	+	1	.	.	.	.	.	.	.	.	.	.	3	11	

Number of relevé (Zápoředna štěv. popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
<i>Thymus praecox</i>	E1	.	.	+	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Sabicea triandra</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Sanguisorba minorata</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Pimpinella saxifraga</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Centauraea sabicea</i> subsp. <i>fritschii</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Genista tinctoria</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Gymnadenia conopsea</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Linum catharticum</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Salvia pratensis</i>	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Bromopsis erecta</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Dorycnium germanicum</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Satureja montana</i> subsp. <i>variegata</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Trifolium montanum</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Brachypodium rupestre</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
MO Molinion																													
<i>Cirsium oleraceum</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	26
<i>Colchicum autumnale</i>	E1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Caltha palustris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
MA Molinio-Arrhenatheretalia																													
<i>Angelica sylvestris</i>	E1	1	.	+	+	.	+	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	33	
<i>Deschampsia cespitosa</i>	E1	.	.	.	.	+	.	.	.	.	.	+	.	.	.	.	+	1	+	.	.	.	.	.	.	6	22	
<i>Prunella vulgaris</i>	E1	.	.	.	.	.	.	.	.	+	.	1	+	.	.	.	+	.	.	.	.	.	.	.	.	6	22	
<i>Centauraea carniolica</i>	E1	.	.	.	.	.	.	.	.	+	.	1	+	.	.	.	1	.	.	.	.	.	.	.	.	6	22	
Tanacetum sect. Taraxacum																													
<i>Dactylis glomerata</i>	E1	.	1	.	.	.	+	.	.	+	.	.	+	.	.	.	+	1	+	.	.	.	.	.	.	2	7	
<i>Galium mollugo</i>	E1	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.	2	7	
<i>Leucanthemum ircutianum</i>	E1	.	.	.	.	.	.	.	.	+	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	2	7	
<i>Achillea millefolium</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Ranunculus nemorosus</i>	E1	.	.	.	.	.	.	.	.	+	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	4	
<i>Ajuga reptans</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Leucanthemum sp.</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Vicia cracca</i>	E1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Pimpinella major</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
ES Elyno-Seslerietea																													
<i>Carex mucronata</i>	E1	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Carduus crassifolius</i>	E1	+	.	1	2	7		
<i>Globalularia cordifolia</i>	E1	+	2	7	
<i>Selaginella helvetica</i>	E1	+	2	7	

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Festuca calva	E1	r	1	4	
Carex ferruginea	E1	1	4	
Scabiosa lucida subsp. stricta	E1	1	4	
Betonica aleppica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Leucanthemum heterophyllum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Erigeron glabratus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
CD <i>Caricetalia davallianae</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
Carex terpodiocarpa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Tofieldia calyculata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Equisetum variegatum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
FC <i>Filipendulo-Convolvuletæ</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
Mentha longifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Seponaria officinalis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Myosoton aquaticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Filipendula ulmaria	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Helianthus tuberosus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
AR <i>Agropyretæ repens</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	19
Equisetum arvense	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
Tussilago farfara	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
GU <i>Gaino-Urticeæ</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	15
Solidago gigantea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
Urtica dioica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
Petasites hybridus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	11
Geum urbanum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
SM <i>Papaveretea rhoeadis (Stellarietea mediae)</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
Erigeron annuus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Crepis rhoeadifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Poa annua	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Polygonum persicaria	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
Sonchus asper	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
SC <i>Spiophytæ calamagrostis</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	8
Achnatherum calamagrostis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	33
Euphorbia kerneri	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	19
TR <i>Thlaspietea rotundifolii</i>		E1	+	1	+	+	+	+	+	+	+	1	1	+	+	+	+	+	+	+	+	+	+	+	+	1	4			
Hieracium bifidum	E1	+	1	+	+	+	+	+	+	+	+	1	1	+	+	+	+	+	+	+	+	+	+	+	+	2	5			
Adenostyles glabra	E1	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	5				
Arabis alpina	E1	r	+	+	+	+	+	+	+	+	+	+	r	+	+	+	+	+	+	+	+	+	+	+	1	5				
Trisetum argenteum	E1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	15				

	Number of relevé (Zapoředna štěv. popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.													
Ceratium sub triflorum	E1	.	+	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
Gymnocarpium robertianum	E1	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	
Orobanche flava	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	
Gypsophila repens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	
AP <i>Astrantio-Paederion</i>																																											
<i>Leontodon hispidus</i> subsp. <i>brumatii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	+	4	15
<i>Aster bellidiasterum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
<i>Heliosperma pusillum</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Asplenium viride</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Sedum hispanicum</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Astrantia carniolica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Carex brachystachys</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Cystopteris fragilis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
PSp <i>Physoplexido comosae-Saxifragion petrenae</i>																	+	+	.	.	.	.	.	.	.	.	+	5	19						
<i>Hieracium porifolium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	4	15
<i>Campanula cespitosa</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	3	11
<i>Hieracium pospischili</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	.	2	7
<i>Paeonia lactea</i>	E1	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4
<i>Achamanta turbith</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4
<i>Nicotriera thymifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4
PC <i>Potentillata caulescens</i>																	+	+	.	.	.	.	.	.	.	.	.	3	11					
<i>Festuca stenantha</i>	E1	.	+	+	+	+	3	11													
<i>Saxifrage crustata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4
<i>Hieracium glaucum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4
<i>Potentilla caulescens</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	4
AT <i>Asplenietea trichomantis</i>																	Moehringia mucosa	E1	3	11								
<i>Asplenium ruta-muraria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	16
<i>Sedum maximum</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	1	16
ML <i>Mosses and lichens</i> (Mahovi in lišaji)																	<i>Crenidium molluscum</i>	E0	2	+	1	2	1	1	.	1	1	+	.	1	2	.	.	+	16	59
<i>Schistidium apocarpum</i>	E0	+	.	1	1	.	.	.	.	.	.	.	.	.	.	+	1	1	.	1	+	.	.	.	.	.	1	1	59
<i>Brachythecium ruabulum</i>	E0	.	1	2	.	.	.	.	4	.	.	.	1	1	1	+	.	1	1	.	.	.	.	.	.	2	1	11					
<i>Plagiomnium undulatum</i>	E0	1	2	1	.	.	.	+	.	2	.	.	1	1	1	+	.	1	1	.	.	.	.	.	1	.	8											
<i>Tortella tortuosa</i>	E0	.	+	.	+	.	.	.	1	1	+	.	.	1	1	1	+	.	1	1	.	.	.	.	.	7	26											
<i>Isothecium alopecuroides</i>	E0	1	.	.	.	1	.	.	.	.	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	5									
<i>Conocephalum conicum</i>	E0	.	.	.	+	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5																	
<i>Palustriella commutata</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	4	15	

	Number of relevé (Započedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Pr.	Fr.
<i>Erythronia crista</i> (<i>Neckera crista</i>)	E0	+	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
<i>Fissidens dubius</i>	E0	.	.	1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
<i>Pseudanomodon attenuatus</i> (<i>Anomodon attenuatus</i>)	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11
<i>Homalothecium lutescens</i>	E0	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Earhynchium angustirete</i>	E0	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Hylacomialephus triquetrus</i> (<i>Rhytidadelphus triquetrus</i>)	E0	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7
<i>Orthothecium rufescens</i>	E0	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Conocephalum sp.</i>	E0	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Marchantia polymorpha</i>	E0	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Macri sp.</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
<i>Alliaria complanata</i> (<i>Nocera complanata</i>)	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	4
<i>Hydrogonium croceum</i> (<i>Barbula crocea</i>)	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	4
<i>Thamnobryum alopecurum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4

Legend – Legenda

- Gr Gravel – Prod
- Rs Rockfall – Podorne skale
- De Debris – Grušč
- Ta Talus – Vŕšaj
- Flu Fluvisol – Obrečna tla
- Li Lithosol – Kamnišče
- Co Colluvial-deluvial soil – Koluvialno-deluvialna tla
- Re Rendzina – Rendzina
- Pr. Presence (Prezencia) – Number of relevés in which the species is presented (Število popisov, v katerih se pojavlja vrsta)
- Fr. Frequency in % – Frequencia v %
- Relevé 11 nomenclatural type (*bifolius*) – Popis 11 - nomenklaturni tip (holotip)

Table 2: *Salicetum eleagno-appendiculatae*, initial forms and var. *Alnus incana*.
Table 2: *Salicetum eleagno-appendiculatae*, inicjalne oblike in var. *Alnus incana*.

Number of relevé (Zaporedna štev. popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																																																											
Database number of relevé (Številka popisa v podatkovni bazi)	288692	288693	254330	285856	293651	293656	293652	286031	286033	286034	288677	286032	285686	285968	285967	285934	288724	286018	286023																																																											
Altitude in m (Nadmorska višina v m)	380	370	248	310	700	730	710	160	164	164	390	164	300	310	315	310	370	315	315																																																											
Aspect (Legi)	S	S	0	SSW	S	S	S	0	0	0	SW	0	SW	NEE	NNE	N	SWW	NWNW																																																												
Slope in degrees (Nagib v stopinjah)	25	10	0	25	2	5	5	0	0	0	1	0	5	5	5	10	0-80	2	1																																																											
Parent material (Matična podlaga)	Rs	Rs	Gr	De	Gr	Gr	Gr	Gr	Gr	Gr	Gr	Gr	Rs	Rs	Rs	A	Rs	Rs																																																												
Soil type (Talni tip)	Co	Co	Re	Li	Li	Li	Li	Re	Flu	Re	Flu	Re	Flu	Flu	Flu	Flu	Li	Flu	Flu																																																											
Stoniness in % (Kamnitost v %)	40	60	0	90	70	90	80	20	20	10	20	20	90	20	40	90	100	50	90																																																											
Cover in % (Zastiranje v %)																																																																														
Tree layer (Drevesna plast)	E3	60	70	.	.	.	.	.	.	.	60	.	.	60	40																																																				
Shrub layer (Grmovna plast)	E2	30	60	60	70	70	40	40	40	60	60	70	80	60	60	60	60	60	60																																																											
Herb layer (Zeliščna plast)	E1	80	40	90	40	70	60	60	60	70	70	70	40	30	40	70	40	60	30																																																											
Moss layer (Mahovna plast)	E0	5	10	.	10	5	5	.	30	30	30	.	10	30	10	30	30	20	20																																																											
Max. tree diameter (Maks. premer dreves) cm		20	15	.	.	.	.	.	.	.	20	.	15	20	50																																																				
Max. tree height (Maks. višina dreves) m		10	10	.	.	.	.	.	.	.	10	.	.	14	22																																																				
Number of species (Število vrst)		35	56	37	27	32	38	32	40	400	400	400	400	400	400	400	400	400	400																																																											
Relevé area (Velikost popisne ploskve) m ²		200	200	51227783	378245	9746/4	Nadiža-Kras	8/20/2021	5128145	387293	9747/1	Ribič-Kred	12,9/2014	5127092	375924	9746/1	Drežniški Prevejk	5/10/2021	5117470	399896	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5117456	399841	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5117516	399821	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5123294	377523	9746/3	Most na Nadiži	8/20/2021	5117488	399863	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5127765	387657	9747/1	Drežniški Prevejk	5/4/2021	5128128	386162	9747/1	Srepnica-Zagriva	5/20/2021	5128259	386144	9747/1	Srepnica-Zagriva	5/20/2021	5128161	386849	9747/1	Srepnica-Kuntri	5/18/2021	5122604	378391	9746/4	Nadiža-Jamnik	8/25/2021	5128024	386359	9747/1	Srepnica-Kuntri	5/20/2021	5128000	386344	9747/1	Srepnica Soča	5/20/2021
Date of taking relevé (Datum popisa)																																																																														
Locality (Nahajališče)																																																																														
Quadrant (Srednjeevropski kvadrant)																																																																														
Coordinates (Koordinate) GK Y (D-48) m				5123712	385207	9747/3	Ribič-Kred	5/10/2022	5127198	375869	9746/1	Nadiža Beli potok	7/27/2022	5127149	375897	9746/1	Nadiža Beli potok	7/27/2022	5117470	399896	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5117456	399841	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5117516	399821	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5123294	377523	9746/3	Most na Nadiži	8/20/2021	5117488	399863	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5127765	387657	9747/1	Drežniški Prevejk	5/4/2021	5128128	386162	9747/1	Srepnica-Zagriva	5/20/2021	5128259	386144	9747/1	Srepnica-Zagriva	5/20/2021	5128161	386849	9747/1	Srepnica-Kuntri	5/18/2021	5122604	378391	9746/4	Nadiža-Jamnik	8/25/2021	5128024	386359	9747/1	Srepnica-Kuntri	5/20/2021	5128000	386344	9747/1	Srepnica Soča	5/20/2021
Coordinates (Koordinate) GK X (D-48) m				51227782	378192	9746/4	Nadiža-Kras	8/20/2021	5128145	387293	9747/1	Drežniški Prevejk	5/10/2021	5127092	375924	9746/1	Nadiža Beli potok	7/27/2022	5117470	399896	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5117456	399841	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5117516	399821	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5123294	377523	9746/3	Most na Nadiži	8/20/2021	5117488	399863	9848/1	Volče-Na Dolgem-Soča	5/17/2021	5127765	387657	9747/1	Drežniški Prevejk	5/4/2021	5128128	386162	9747/1	Srepnica-Zagriva	5/20/2021	5128259	386144	9747/1	Srepnica-Zagriva	5/20/2021	5128161	386849	9747/1	Srepnica-Kuntri	5/18/2021	5122604	378391	9746/4	Nadiža-Jamnik	8/25/2021	5128024	386359	9747/1	Srepnica-Kuntri	5/20/2021	5128000	386344	9747/1	Srepnica Soča	5/20/2021
Diagnostic species of the association (Diagnostične vrste asociacije)																																																																														
TR <i>Petasites paradoxus</i>	E1	3	2	2	2	3	3	3	3	3	3	3	3	2	2	2	3	3	2																																																											
SP <i>Salix eleagnos</i>	E3	3	3	.	.	.	.	.	.	.	3	.	3	3	3																																																				
SP <i>Salix eleagnos</i>	E2b	.	.	2	.	2	2	3	4	3	3	3	2	1	1	1	3	1	3																																																											
SP <i>Salix eleagnos</i>	E2a	.	.	.	1	1	3	.	2	3	2	4	.	.	.	+	1	1	.																																																											
SP <i>Salix eleagnos</i>	E1																																																											
EP <i>Calamagrostis varia</i>	E1	3	.	3	+	+	.	1	1	.	2	1	.	2	1	2	2	1	2																																																											
Sct <i>Peucedanum verticillare</i>	E1	2	1	+	.	1	2	1	+	.	1	1	1	1	2	+	1	1	1																																																											
EP <i>Carex ornithopoda</i>	E1	.	.	.	+	1	+	.	1	.	1	.	1	1	+	+	+	+	+																																																											
QP <i>Ostrya carpinifolia</i>	E3a	+	1	.	.	.	.	.	.	.	.	.	.	1																																																	
QP <i>Ostrya carpinifolia</i>	E2b	.	.	1	2	3	2	2	1	1	1	1	2	+	.	.	1	.	.																																																											
QP <i>Ostrya carpinifolia</i>	E2a	+	.	.	+	3	2	.	+	+	1	.	+	+	.	+	+	+	+																																																											
QP <i>Ostrya carpinifolia</i>	E1	.	.	.	.	.	.	1																																																					

Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
BA	<i>Salix appendiculata</i>	E3a	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BA	<i>Salix appendiculata</i>	E2a	1	.	.	1	.	+	.	.	.	.	.	.	+	.	+	2	2	1
BA	<i>Salix appendiculata</i>	E2b	.	.	.	1	.	.	.	.	.	.	.	.	1	.	.	2	2	1
BA	<i>Salix appendiculata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
QP	<i>Fraxinus ornus</i>	E3	+	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.
QP	<i>Fraxinus ornus</i>	E2b	.	1	3	1	1	.	.	1	+	1	.	1	1	.	1	.	+	.
QP	<i>Fraxinus ornus</i>	E2a	.	+	.	1	.	.	.	1	.	1	.	.	+	1	1	+	1	+
QP	<i>Fraxinus ornus</i>	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	r	.	
FB	<i>Bupthalmum salicifolium</i>	E1	1	+	+	+	2	1	1	.	+	1	+	.	+	.	.	+	.	.
ES	<i>Sesleria caerulea</i>	E1	.	.	.	3	1	1	2	2	3	2	.	2	1	3	1	1	2	+
SP	<i>Salicetea purpureae</i>																			
	<i>Salix purpurea</i>	E2b	.	.	.	+	.	.	+	.	.	.	.	.	+	.	+	+	1	2
	<i>Salix purpurea</i>	E2a	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	1
	<i>Populus nigra</i>	E2b	.	r	.	.	.	.	.	+	.	.	.	.	1	.	.	.	.	.
	<i>Populus nigra</i>	E2a	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Salix alba</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.
	<i>Salix triandra</i>	E2b	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.
	<i>Salix</i> sp.	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AI	<i>Alnion incanae</i>																			
	<i>Rubus caesius</i>	E1	1	2	.	.	.	.	.	.	+	.	1	1	1	1	1	.	2	1
	<i>Alnus incana</i>	E3	.	+	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.	.
	<i>Alnus incana</i>	E2b	.	.	.	2	.	.	.	.	.	1	3	3	3	3	1	.	2	2
	<i>Alnus incana</i>	E2a	.	.	.	.	.	.	.	.	+	.	+	1	2	.	+	.	+	1
	<i>Alnus incana</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	r	.	.	.
	<i>Frangula alnus</i>	E3b	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
	<i>Frangula alnus</i>	E2b	.	+	.	+	.	.	.	1	.	1	.	.	+	.	.	+	.	.
	<i>Frangula alnus</i>	E2a	.	1	.	.	.	.	+	+	+	.	+	.	+	+	.	+	1	.
	<i>Knautia drymeia</i> subsp. <i>intermedia</i>	E1	2	.	.	.	.	.	.	.	.	1	.	1	1	1	.	1	1	.
	<i>Festuca gigantea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Viburnum opulus</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	+	.
	<i>Viburnum opulus</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	+	+	+
	<i>Alnus glutinosa</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	<i>Asperula taurina</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Cardamine impatiens</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Equisetum telmateia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
	<i>Acer negundo</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
QP	<i>Quercetalia pubescenti-petraeae</i>																			
	<i>Coronilla emeroides</i>	E2	.	.	.	.	.	.	+	+	.	.	.	+	+	+	+	.	.	.
	<i>Sorbus aria</i> (<i>Aria edulis</i>)	E3a	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.
	<i>Sorbus aria</i> (<i>Aria edulis</i>)	E2a	.	+	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.
	<i>Sorbus aria</i> (<i>Aria edulis</i>)	E2b	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	+	.
	<i>Clematis recta</i>	E2a	.	.	.	.	.	.	+	.	1	.	+	.	+	+	.	.	+	.
	<i>Carex flacca</i>	E1	.	.	.	.	.	.	.	1	+	.	.	+	+	.	.	+	.	.
	<i>Cornus mas</i>	E2b	.	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Sorbus austriaca</i>	E2a	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Dichoropetalum schottii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Calamintha sylvatica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Arabis turrita</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EC	<i>Erythronio-Carpinion</i>																			
	<i>Primula vulgaris</i>	E1	.	+	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.
	<i>Helleborus odorus</i>	E1	.	+	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.
	<i>Crocus vernus</i> subsp. <i>vernus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.
	<i>Galanthus nivalis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	Pr.	Fr.
.	1	2
1	.	+	+	+	+	.	.	1	.	+	1	1	+	1	1	1	2	+	.	+	.	+	2	1	27	61
+	+	+	.	.	.	+	1	2	12	27
.	+	.	.	.	+	2	5
.	2	5
+	.	.	.	1	+	+	15	34
+	+	.	+	+	.	+	+	+	.	+	+	+	+	+	22	50	
.	+	+	.	+	.	+	6	14
.	.	+	+	.	+	1	1	+	+	.	+	+	+	+	24	55	
+	.	.	+	+	+	.	+	.	.	+	1	+	1	24	55	
1	1	1	11	25
.	1	r	.	.	.	+	7	16
.	+	4	9
+	.	+	+	.	.	.	+	.	+	6	14
.	+	2	5
.	+	+	.	2	5
.	+	+	1	2
1	2	+	.	1	2	1	1	3	2	2	1	2	3	1	1	.	25	57
.	2	5
+	.	.	1	1	2	1	+	.	3	.	.	.	+	17	39	
+	.	.	.	1	+	.	+	.	+	+	+	13	30	
.	.	.	.	+	3	7	
.	1	2	
.	.	+	2	+	+	1	.	.	1	1	1	14	32	
+	.	.	1	.	.	+	1	.	1	.	+	1	1	17	39	
.	.	.	.	1	1	.	.	.	1	.	+	+	r	1	14	32	
.	+	1	.	+	1	.	+	.	.	.	.	+	+	7	16		
.	.	.	.	+	3	7		
.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	14		
.	1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	3	7		
.	+	.	.	+	r	2	5	
.	+	.	.	+	+	+	2	5		
.	+	1	2		
.	+	1	2		
.	+	6	14		
.	+	2	5		
+	r	.	+	.	.	.	.	.	.	.	.	.	.	5	11		
.	+	+	5	11		
.	+	5	11		
.	+	4	9		
.	+	3	7		
.	+	1	2		
.	+	+	1	2		
.	+	+	1	2		
.	+	.	.	.	+	1	2		
.	+	5	11		
.	+	.	.	.	+	4	9		
.	+	+	3	7		
.	+	3	7		
.	+	3	7		

	Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
AF	<i>Arenonio-Fagion</i>																				
	<i>Knautia drymeia</i>	E1	.	1	1	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.
	<i>Omphalodes verna</i>	E1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Cyclamen purpurascens</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Lamium orvala</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Rhamnus fallax</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.
	<i>Anemone trifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Euphorbia carniolica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	<i>Helleborus niger</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Geranium nodosum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TA	<i>Tilio-Acerion</i>																				
	<i>Acer pseudoplatanus</i>	E3a	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Acer pseudoplatanus</i>	E2	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	+	+	.	.
	<i>Tilia cordata</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	1	.	+	.	.	.	.
	<i>Tilia cordata</i>	E2	.	+	.	.	.	.	.	.	.	1	.	1	+	+	.	+	2	+	.
	<i>Aruncus dioicus</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	r	.
	<i>Ulmus glabra</i>	E3a	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Ulmus glabra</i>	E2	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Geranium robertianum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Phyllitis scolopendrium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Polystichum x illyricum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	<i>Polystichum aculeatum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Tilia platyphyllos</i>	E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Acer platanoides</i>	E2a	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Polystichum braunii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Lunaria rediviva</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FS	<i>Fagetalia sylvaticae</i>																				
	<i>Brachypodium sylvaticum</i>	E1	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.
	<i>Salvia glutinosa</i>	E1	+	.	.	.	.	+	.	.	.	.	+	.	+	.	.	+	.	.	.
	<i>Galium laevigatum</i>	E1	.	1	.	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.
	<i>Fraxinus excelsior</i>	E2	+	1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	+	.	.
	<i>Fraxinus excelsior</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Fagus sylvatica</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.
	<i>Fagus sylvatica</i>	E2	.	+	.	.	.	.	.	.	.	+	+	.	+	+	.	+	.	.	.
	<i>Viola reichenbachiana</i>	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	+	.	.	.	.
	<i>Asarum europaeum subsp. caucasicum</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.
	<i>Daphne mezereum</i>	E2a	.	+	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.
	<i>Carpinus betulus</i>	E2a	+	+	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Melica nutans</i>	E1	.	.	.	.	.	.	+	+	+	+	+	.	.	.	.	.	.	.	.
	<i>Mycelis muralis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Ranunculus lanuginosus</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Campanula trachelium</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Mercurialis perennis</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Scrophularia nodosa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Laburnum alpinum</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.
	<i>Leucojum vernum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Prunus avium</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.
	<i>Prunus avium</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Sambucus nigra</i>	E2a	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.
	<i>Heracleum sphondylium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Allium ursinum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Petasites albus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Galeobdolon flavidum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	Pr.	Fr.
.	.	.	.	+	.	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	16
.	+	.	.	+	.	+	4	9	
.	.	.	.	+	.	.	+	3	7	
.	r	+	.	3	7
.	3	7	
.	2	5	
.	2	5	
.	+	.	2	5
.	1	2	
.	+	.	1	2
.	2	5	
+	.	+	1	+	1	1	.	.	.	+	r	+	+	.	.	+	+	.	.	.	.	.	.	16	36
.	2	5	
+	+	+	+	12	27	
.	+	.	.	+	+	+	9	20	
.	1	2	
.	.	+	+	+	+	1	.	.	.	r	+	+	.	9	20
.	+	+	.	+	4	9		
.	.	.	.	+	+	1	+	4	9	
.	+	+	.	3	7
.	+	+	+	3	7
.	1	2	
.	1	2	
.	1	2	
+	+	.	+	1	1	1	1	+	1	1	+	+	1	1	1	1	+	+	+	+	+	+	+	25	57	
.	.	+	+	+	+	+	+	.	.	+	.	+	+	.	1	+	.	.	+	.	.	+	.	19	43	
+	+	.	.	+	+	+	.	.	.	+	.	+	+	.	+	+	+	.	+	+	.	+	.	16	36	
+	+	.	+	.	+	+	.	+	.	+	.	+	+	+	+	+	.	+	+	.	+	.	.	12	27	
.	+	.	.	.	1	.	.	.	+	.	.	.	.	+	.	.	.	.	.	5	11	
.	2	5	
+	+	r	.	.	.	.	.	.	.	.	.	.	.	.	.	11	25	
.	+	.	+	.	+	.	.	.	+	.	+	.	.	+	.	.	+	.	+	10	23	
.	.	.	.	+	+	.	+	8	18		
.	+	+	.	.	.	+	.	+	7	16		
.	.	.	.	+	+	.	.	.	+	.	+	7	16		
.	+	+	.	.	.	+	.	+	5	11		
.	+	+	.	.	.	+	.	+	.	.	.	+	+	+	.	.	.	1	.	4	9	
.	.	.	.	+	.	+	.	.	.	+	4	9		
.	+	+	+	3	7		
.	+	+	3	7		
.	+	+	.	.	r	.	+	.	.	.	.	.	.	.	3	7		
.	+	+	2	5		
.	.	.	.	+	+	+	2	5		
.	+	+	1	2		
.	+	+	3	7		
.	+	+	2	5		
.	+	+	1	2		
.	+	+	1	2		
.	+	+	1	2		
.	+	+	1	2		
.	+	+	1	2		

Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
QR	<i>Quercetalia roboris</i>																			
	<i>Quercus robur</i>	E2a	.	.	.	.	.	.	+	+	+	.	+	.	.	.	.	.	.
	<i>Quercus robur</i>	E1	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	.
	<i>Potentilla erecta</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Hieracium racemosum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Lembotropis nigricans</i>	E2a	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
QF	<i>Quero-Fagetea</i>																			
	<i>Clematis vitalba</i>	E3a	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Clematis vitalba</i>	E2	.	.	.	.	+	+	.	.	.	.	.	+	.	.	+	+	.
	<i>Hedera helix</i>	E1	.	1	+	.	.	.	+	+	.	.	1	.	.	.	.	.	.
	<i>Corylus avellana</i>	E3	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Corylus avellana</i>	E2a	+	2	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.
	<i>Carex digitata</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Aegopodium podagraria</i>	E1	.	2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
	<i>Acer campestre</i>	E2a	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Hepatica nobilis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Dactylorhiza fuchsii</i>	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.
	<i>Listera ovata</i>	E1	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.
	<i>Veratrum nigrum</i>	E1	.	.	.	.	.	.	.	r	.	.	.	.	+	.	.	.	.
	<i>Anemone nemorosa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Anemone ranunculoides</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Lonicera xylosteum</i>	E2a	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Viola riviniana</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Vinca minor</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Malus sylvestris</i>	E3a	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Pyrus pyraster</i>	E2a	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Scilla bifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Rosa arvensis</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Ulmus minor</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Cerastium sylvaticum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EP	<i>Erico-Pinetea</i>																			
	<i>Molinia arundinacea</i>	E1	3	+	+	.	3	1	.	.	.	.	1	.	+	.	.	+	.
	<i>Chamaecytisus purpureus</i>	E1	.	.	.	3	+	+	.	.	.	.	+	.	+	.	.	.	.
	<i>Erica carnea</i>	E1	.	.	.	.	+	.	1	1	1	.	.	.	+	.	.	.	.
	<i>Asperula aristata</i>	E1	.	.	.	.	+	.	+	.	+	.	.	.	.	.	.	.	.
	<i>Genista radiata</i>	E2a	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Aster amellus</i>	E1	.	.	1	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Allium ericetorum</i>	E1	.	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Pinus sylvestris</i>	E2a	.	.	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.
	<i>Polygala chamaebuxus</i>	E1	.	.	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.
	<i>Aquilegia nigricans</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Chamaecytisus hirsutus</i>	E2a	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Pinus mugo</i>	E2a	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.
	<i>Carex alba</i>	E1	.	.	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.
	<i>Viola rupestris</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Aquilegia atrata</i>	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Rubus saxatilis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
	<i>Peucedanum austriacum subsp. rablense</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VP	<i>Vaccinio-Piceetea</i>																			
	<i>Picea abies</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.
	<i>Picea abies</i>	E2	.	.	.	+	+	.	.	.	r	+	+	.	.	.	.	.	.
	<i>Solidago virgaurea</i>	E1	.	+	.	+	1	.	.	.	.	.	.	.	1	.	.	.	.
	<i>Veronica urticifolia</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	Pr.	Fr.
.	4	9
.	2	5
.	2	5
.	2	5
.	1	2
.	1	2
1	.	+	1	1	2	1	1	+	.	.	+	+	+	+	+	+	1	.	1	+	.	.	+	.	22	50
.	.	.	.	+	+	1	+	+	+	+	+	+	+	+	+	.	.	.	.	.	.	.	.	15	34	
.	1	2
+	.	.	.	+	+	+	.	.	1	.	+	+	.	.	.	.	1	.	+	.	.	.	.	.	13	30
.	+	.	+	.	1	+	.	+	+	.	+	+	.	.	.	.	.	.	.	.	.	.	+	.	9	20
+	.	.	+	.	+	.	.	.	+	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	7	16
.	+	4	9
.	.	.	.	+	+	+	3	7
.	2	5
.	2	5
.	2	5
.	+	+	2	5
.	+	+	2	5
.	+	+	2	5
.	+	+	2	5
.	+	+	2	5
.	+	+	1	2
.	+	+	1	2
.	+	+	1	2
.	+	+	1	2
r	1	2
.	1	2
.	7	16
.	+	+	6	14
.	5	11

Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	<i>Aposeris foetida</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Abies alba</i>	E2a	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Larix decidua</i>	E2	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Gentiana asclepiadea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Valeriana tripteris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EP	<i>Rhamno-Prunetea</i>																			
	<i>Cornus sanguinea</i>	E2b	.	1	+	.	.	.	.	+	.	.	.	+	+	.	1	.	.	.
	<i>Cornus sanguinea</i>	E2a	.	1	.	.	.	.	.	+	.	1	.	1	+	1	1	.	.	1
	<i>Crataegus monogyna</i>	E3a	.	1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Crataegus monogyna</i>	E2b	.	.	.	.	.	.	.	.	+	.	.	+	+	.	.	.	.	.
	<i>Crataegus monogyna</i>	E2a	.	+	.	.	.	.	.	.	.	.	.	+	+	+	.	.	r	+
	<i>Ligustrum vulgare</i>	E2a	.	.	+	+	.	.	.	+	+	.	.	.	1	1	1	.	.	+
	<i>Viburnum lantana</i>	E2	.	+	+	.	.	.	+	.	+	.	+	.	+	1	.	.	.	.
	<i>Rubus fruticosus agg.</i>	E2	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Berberis vulgaris</i>	E2a	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.
	<i>Rhamnus catharticus</i>	E2b	.	+	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Rosa canina</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Robinia pseudoacacia</i>	E2a	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Platanus x hispanica</i>	E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Euonymus europaea</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Sorbus aucuparia</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Juniperus communis</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	<i>Prunus spinosa</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EA	<i>Epilobietea angustifoli</i>																			
	<i>Eupatorium cannabinum</i>	E1	+	.	.	.	.	1	1	.	.	.	.	.	.	.	.	.	+	.
	<i>Fragaria vesca</i>	E1	.	.	.	.	+	.	.	.	.	+	.	+	.	.	.	.	.	.
	<i>Galeopsis speciosa</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Solanum dulcamara</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BA	<i>Betulo-Alnetea</i>																			
	<i>Salix glabra</i>	E2a	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.
MuA	<i>Mulgedio-Aconitetea</i>																			
	<i>Chaerophyllum hirsutum</i>	E1	.	2	.	.	.	.	.	.	.	.	.	.	+	.	+	+	+	.
	<i>Senecio ovatus (S. fuchsii)</i>	E1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Aconitum lycoctonum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Aconitum lupicida</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
	<i>Saxifraga rotundifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TG	<i>Trifolio-Geranitea</i>																			
	<i>Hypericum perforatum</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.
	<i>Campanula rapunculoides</i>	E1	.	.	.	.	.	.	+	.	+	+	.	.	+	.	.	.	.	.
	<i>Origanum vulgare</i>	E1	2	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
	<i>Viola hirta</i>	E1	.	.	+	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Anthericum ramosum</i>	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Libanotis daucifolia</i>	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Libanotis sibirica subsp. montana</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Digitalis grandiflora</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Lathyrus sylvestris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Clinopodium vulgare</i>	E1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Peucedanum venetum</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Vincetoxicum hirundinaria</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Laserpitium siler</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Astragalus glycyphyllos</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Iris graminea</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Valeriana nemorensis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	Pr.	Fr.
.	r	2	5
.	1	2
.	1	2
.	1	2
.	1	2
.	1	2
.	8	18
+	.	.	.	+	.	.	+	1	+	1	.	+	+	+	.	.	.	.	.	.	.	.	.	19	43	
.	2	5
.	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	11	
.	+	.	+	r	+	.	+	+	+	.	.	.	.	.	.	.	.	.	.	12	27	
+	.	.	+	+	11	25
.	.	.	.	+	8	18
.	6	14
.	+	3	7
.	3	7
.	.	.	.	+	.	+	3	7
.	1	2
.	1	2
.	1	2
.	1	2
.	1	2
+	.	.	+	1	+	+	.	.	.	1	.	.	.	+	+	1	+	r	+	+	+	+	1	20	45	
.	+	+	+	.	.	+	.	8	18	
.	+	2	5
.	1	2
.	2	5
.	5	11
.	4	9
.	4	9
.	1	2
.	1	2
.	1	2
.	1	2
.	5	11
.	4	9
.	4	9
.	3	7
.	2	5
.	2	5
.	+	2	5
.	2	5
.	+	+	1	2
.	1	2
.	1	2
.	1	2
.	1	2
.	1	2
.	1	2
.	1	2
.	1	2

Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	<i>Achillea distans</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Laserpitium latifolium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Trifolium medium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Valeriana wallrothii</i> (<i>V. collina</i>)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FB	Festuco-Brometea																			
	<i>Euphorbia cyparissias</i>	E1	+	.	1	.	.	.	.	1	+	1	1	.	+	.	+	1	.	.
	<i>Peucedanum oreoselinum</i>	E1	.	.	.	.	+	.	.	.	+	.	.	.	+	1	.	+	.	.
	<i>Carex humilis</i>	E1	.	.	.	.	.	.	.	+	2	1	+	.	+	.	.	.	.	.
	<i>Galium verum</i>	E1	+	.	.	.	.	.	+	+	+	+	+	.	.	.	.	.	.	.
	<i>Centaurea bracteata</i>	E1	1	.	+	+	+	.	.	+	+	+	.	.	.	.	.	.	.	.
	<i>Thymus praecox</i>	E1	1	.	.	.	.	.	1	.	+	1	.	.	.	.	.	.	.	.
	<i>Carlina vulgaris</i>	E1	.	.	1	.	.	.	1	.	1	+	.	.	.	.	.	.	.	.
	<i>Centaurea fritschii</i>	E1	.	.	+	+	.	.	.	.	.	.	.	.	+	+	.	.	.	.
	<i>Pimpinella saxifraga</i>	E1	.	.	.	+	.	.	+	1	1	.	+	.	.	.	.	.	.	.
	<i>Helianthemum nummularium</i> subsp. <i>obscurum</i>	E1	.	.	1	.	.	.	.	1	1	+	.	.	.	.	.	.	.	.
	<i>Hippocrepis comosa</i>	E1	.	.	+	.	.	.	1	1	.	+	.	.	.	.	.	.	.	.
	<i>Satureja montana</i> subsp. <i>variegata</i>	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Teucrium montanum</i>	E1	.	.	.	+	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Genista tinctoria</i>	E1	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	+	.	.
	<i>Asperula cynanchica</i>	E1	.	.	+	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Galium purpureum</i>	E1	.	.	.	+	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Carlina biebersteinii</i> subsp. <i>brevibracteata</i>	E1	.	.	.	.	1	+	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Polygala comosa</i>	E1	.	.	.	.	.	.	1	1	1	.	.	.	.	.	.	.	.	.
	<i>Sanguisorba muricata</i>	E1	.	.	.	.	.	.	1	1	+	.	.	.	.	.	.	.	.	.
	<i>Scabiosa triandra</i>	E1	.	.	.	.	.	.	+	+	1	.	.	.	.	.	.	.	.	.
	<i>Echium vulgare</i>	E1	.	.	.	.	.	.	.	1	+	+	.	.	.	.	.	.	.	.
	<i>Brachypodium rupestre</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Inula ensifolia</i>	E1	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Koeleria pyramidata</i>	E1	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.
	<i>Teucrium chamaedrys</i>	E1	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	.
	<i>Petrorhagia saxifraga</i>	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Medicago falcata</i>	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Medicago lupulina</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Bromopsis erecta</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.
	<i>Prunella grandiflora</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.
	<i>Cirsium erisithales</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Dorycnium germanicum</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Seseli annuum</i>	E1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Allium carinatum</i> subsp. <i>carinatum</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Linum catharticum</i>	E1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
	<i>Potentilla pusilla</i>	E1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.
	<i>Polygala amarella</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Orchis militaris</i>	E1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.
	<i>Carex caryophyllea</i>	E1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.
	<i>Ajuga genevensis</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Gymnadenia conopsea</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Koeleria macrantha</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Salvia pratensis</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Silene vulgaris</i> subsp. <i>vulgaris</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Plantago media</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Carlina acaulis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	<i>Potentilla heptaphylla</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Mo	Molinion																				
	<i>Cirsium oleraceum</i>	E1	.	+	+	+	+	.
	<i>Caltha palustris</i>	E1	+	.	.	.
	<i>Laserpitium prutenicum</i>	E1	+
MA	Molinio-Arrhenatheretea																				
	<i>Centaurea carniolica</i>	E1	.	1	.	.	.	.	.	.	.	1	.	.	+	.	.	r	+	.
	<i>Taraxacum sect. Taraxacum</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	+	.
	<i>Deschampsia cespitosa</i>	E1	.	+
	<i>Lotus corniculatus</i>	E1	+	+	.	1	+	1	+
	<i>Galium mollugo</i>	E1	.	.	.	.	.	.	1	.	+	+	.	.	.	.	.	.	+	.
	<i>Angelica sylvestris</i>	E1	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Prunella vulgaris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Leucanthemum ircutianum</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.	+
	<i>Trifolium pratense</i>	E1	.	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Centaurea jacea</i>	E1	.	.	.	.	.	.	+	.	1	.	.	.	.	.	.	.	.	.
	<i>Agrostis stolonifera</i>	E1	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Vicia cracca</i>	E1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Daucus carota</i>	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.
	<i>Ranunculus nemorosus</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	.
	<i>Dactylis glomerata</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Plantago major</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Achillea roseoalba</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Leontodon hispidus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Ranunculus acris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Barbarea vulgaris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Carex hirta</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Vicia sepium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Lathyrus pratensis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Plantago intermedia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ES	Elyno-Seslerietea																				
	<i>Carduus crassifolius</i>	E1	.	.	.	.	.	1	.	1	+	.	+	.	.	.	.	.	.	.
	<i>Selaginella helvetica</i>	E1	.	.	+	.	.	.	.	.	1	.	.	.	+	.	.	.	.	.
	<i>Erigeron glabratus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+	+	.
	<i>Globularia cordifolia</i>	E1	.	.	.	+	.	.	1	.	.	.	.	.	.	.	.	.	.	.
	<i>Carex mucronata</i>	E1	.	.	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Campanula witteskiana</i>	E1	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.
	<i>Leucanthemum heterophyllum</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Phyteuma orbiculare</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Euphrasia picta</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Betonica alopecuros</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Festuca calva</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Poa alpina</i> var. <i>vivipara</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Carex ferruginea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CD	Caricetalia davallianae																				
	<i>Equisetum variegatum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Juncus inflexus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Juncus articulatus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Carex lepidocarpa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FC	Filipendulo-Convolvuletea																				
	<i>Mentha longifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
	<i>Filipendula ulmaria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Helianthus tuberosus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Lysimachia vulgaris</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	Pr.	Fr.	
+	+	.	+	.	+	.	1	.	.	.	.	.	.	.	1	.	+	.	.	.	11	25	
.	+	2	5	
.	1	2	
r	+	+	+	+	.	1	+	.	.	+	1	.	.	+	.	+	.	1	1	+	.	.	+	.	19	43	
+	.	+	+	+	+	+	.	+	+	+	.	.	+	.	+	.	+	15	34		
.	.	.	+	.	+	+	.	.	1	1	+	+	+	.	.	.	.	1	+	+	1	.	.	14	32	
+	+	+	9	20	
+	+	.	+	1	.	.	.	.	.	.	.	.	.	.	.	.	8	18	
.	+	+	+	.	.	+	.	.	7	16	
+	+	.	.	+	+	.	.	+	.	.	6	14	
.	+	4	9
.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	3	7	
.	.	.	.	+	3	7	
.	2	5	
.	+	2	5	
.	2	5	
.	2	5	
.	+	2	5	
.	2	5	
.	1	2	
.	+	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	6	14	
.	3	7	
.	3	7	
.	2	5	
.	2	5	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	.	.	.	1	.	.	.	1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	4	9
.	+	2	5	
.	+	+	2	5	
.	r	.	.	.	.	.	1	2	
.	r	.	.	.	.	.	1	2	
.	6	14	
.	2	5	
.	+	2	5	
.	1	.	.	.	.	.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	
.	1	2	

Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	<i>Hemerocallis fulva</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.
	<i>Lythrum salicaria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	<i>Hosta plantaginea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.
AV	<i>Artemisietea vulgaris</i>																			
	<i>Artemisia vulgaris</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Melilotus albus</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Melilotus officinalis</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Tanacetum vulgare</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AR	<i>Agropyretea repentis</i>																			
	<i>Tussilago farfara</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Equisetum arvense</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
GU	<i>Galio-Urticetea</i>																			
	<i>Petasites hybridus</i>	E1	+	1	.	.	.	.	.	.	+	.	.	.	.	.	.	+	+	+
	<i>Solidago gigantea</i>	E1	.	+	.	.	.	.	.	+	.	1	1	.	+	.	+	1	.	1
	<i>Galeopsis pubescens</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Parietaria officinalis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SM	<i>Papaveretea rhoeidis (Stellarietea mediae)</i>																			
	<i>Erigeron annuus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Sonchus asper</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Crepis rhoeadifolia</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Digitaria ischaemum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Polygonum persicaria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Echinochloa crus-galli</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Conyza canadensis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Conyza sumatrensis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Poa annua</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SC	<i>Stipion calamagrostis</i>																			
	<i>Achmatherum calamagrostis</i>	E1	.	+	.	1	+	1	1	.	.	.	+	.	+	.	.	1	.	.
	<i>Euphorbia kernerii</i>	E1	.	.	.	.	+	.	+	.	.	.	+	.	.	.	.	.	.	.
	<i>Calamintha einseleana</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Chamaenerion palustre</i>	E1	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Euphrasia stricta</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Centaurea dichroantha</i>	E1	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.
	<i>Leontodon berinii?</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.
TR	<i>Iblaspietea rotundifoliis</i>																			
	<i>Hieracium bifidum</i>	E1	.	.	.	.	.	1	1	+	+	.	.	+	+	.	.	+	+	.
	<i>Trisetum argenteum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	+	.	+	+	+
	<i>Leontodon hispidus subsp. <i>hyoseroides</i></i>	E1	+	.	.	.	.	+	1	.	.	.	+	.	.	.	+	.	.	.
	<i>Aquilegia einseleana</i>	E1	.	.	.	.	.	+	1	.	.	.	.	.	.	.	.	r	.	.
	<i>Gypsophila repens</i>	E1	.	.	.	.	.	.	2	1	1	.	.	.	.	.	+	.	+	.
	<i>Hieracium piloselloides</i>	E1	.	.	.	.	.	.	+	+	+	+	.	.	.	.	.	.	.	.
	<i>Silene vulgaris subsp. <i>glareosa</i></i>	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Athamanta cretensis</i>	E1	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Cerastium subtriflorum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Biscutella laevigata</i>	E1	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.
	<i>Hieracium austriacum</i>	E1	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.
	<i>Adenostyles glabra</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Scrophularia canina</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Hieracium dollineri</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Thesium rostratum</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Tolpis staticifolia</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.
	<i>Geranium macrorrhizum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.
	<i>Equisetum ramosissimum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.

Number of relevé (Zaporedna štev. popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	<i>Festuca laxa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Arabis alpina</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AP	Astrantio-Paederotion																			
	<i>Aster bellidiastrium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	+	3	+	+	+
	<i>Leontodon hispidus subsp. brumatii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Heliosperma pusillum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Astrantia carniolica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
PcSp	Physoplexido comosae-Saxifragion petraeae																			
	<i>Hieracium pospicbillii</i>	E1	.	.	.	.	.	.	+	+	+	+	1	+	.	.	.	.	.	.
	<i>Campanula cespitosa</i>	E1	.	.	+	.	1	1	1	.	.	.	+	.	.	+	+	.	+	.
	<i>Hieracium porrifolium</i>	E1	.	.	.	1	1	2	+	.	+	+	.	.	+	+	.	2	.	.
	<i>Seseli gouanii</i>	E1	.	.	.	.	+	+	.	+	.	+	.	.	.	.	.	.	.	.
	<i>Micromeria thymifolia</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Spiraea decumbens subsp. decumbens</i>	E1	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Paederota lutea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	<i>Campanula carnica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.
PC	Potentilletalia caulescentis																			
	<i>Hieracium glaucum</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.
AT	Asplenietea trichomanis																			
	<i>Asplenium ruta-muraria</i>	E1	.	.	.	.	+	.	+	.	.	.	.	+	+	.	.	.	.	.
	<i>Asplenium trichomanes</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Kernera saxatilis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ML	Mosses and lichens (Mahovi in lišaji)																			
	<i>Schistidium apocarpum</i>	E0	.	+	.	+	1	.	+	.	.	.	.	1	1	+	.	1	1	.
	<i>Tortella tortuosa</i>	E0	.	.	.	+	1	+	+	2	2	2	1	.	1	.	.	1	1	1
	<i>Brachythecium rutabulum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.
	<i>Ctenidium molluscum</i>	E0	.	+	.	.	.	.	.	.	.	.	.	2	1	1	2	2	1	1
	<i>Musci sp.</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Isothecium alopecuroides</i>	E0	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.
	<i>Plagiomnium undulatum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	+	.
	<i>Cirriphyllum crassinervium</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	.
	<i>Didymodon spadiceus</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.
	<i>Homalothecium lutescens</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Hygrohypnum luridum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	.
	<i>Thuidium abietinum</i>	E0	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Scleropodium purum</i>	E0	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.
	<i>Hylocomiadelphus triquetrus</i> (<i>Rhytidiodelphus triquetrus</i>)	E0	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.
	<i>Fissidens dubius</i>	E0	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.
	<i>Conocephalum conicum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.
	<i>Mnium sp.</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	<i>Homalothecium sericeum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Fontinalis antipyretica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Palustriella commutata</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Preissia quadrata</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Pellia endiviifolia</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Legend – Legenda

Gr Gravel – Prod
Rs Rockfall – Podorne skale
De Debris – Grušč
A Limestone – Apnenec
D Dolomite – Dolomit
Flu Fluvisol – Obrečna tla

Li Lithosol – Kamnišče
Co Colluvial-deluvial soil – Koluvialno-deluvialna tla
Re Rendzina – Rendzina
Pr. Presence – Number of relevés in which the species is presented
Fr. Frequency in % – Frequenca v %
? Determination should be proved – Določitev je treba še preveriti

Table 3: Synoptic table of three communities with dominant *Salix eleagnos*

Table 3: Sintezna tabela treh združb s prevladujočo vrsto *Salix eleagnos*

	Successive number (Zaporedna štev.)			
	1	2	3	4
Number of relevés (Število popisov)	6	44	27	16
Sign for syntaxa (Oznaka sintaksonov)	Sepco	Seapin	Seagr	LaSeca
Diagnostic species of the association <i>Salicetum eleagnos-appendiculatae</i> (Diagnostične vrste asociacije)				
TR <i>Petasites paradoxus</i>	E1	100	100	25
SP <i>Salix eleagnos</i>	E3	17	14	96 100
SP <i>Salix eleagnos</i>	E2b	100	77	33 19
SP <i>Salix eleagnos</i>	E2a	67	52	.
EP <i>Calamagrostis varia</i>	E1	50	77	74 6
Sct <i>Peucedanum verticillare</i>	E1	50	66	56 .
EP <i>Carex ornithopoda</i>	E1	83	59	37 13
QP <i>Ostrya carpinifolia</i>	E3a	17	7	63 94
QP <i>Ostrya carpinifolia</i>	E2b	33	41	56 38
QP <i>Ostrya carpinifolia</i>	E2a	67	52	. 13
QP <i>Ostrya carpinifolia</i>	E1	17	9	.
BA <i>Salix appendiculata</i>	E3a	.	2	.
BA <i>Salix appendiculata</i>	E2a	.	61	67 .
BA <i>Salix appendiculata</i>	E2b	.	27	.
BA <i>Salix appendiculata</i>	E1	.	5	.
QP <i>Fraxinus ornus</i>	E3	.	5	33 56
QP <i>Fraxinus ornus</i>	E2b	33	34	. 44
QP <i>Fraxinus ornus</i>	E2a	67	50	59 56
QP <i>Fraxinus ornus</i>	E1	17	14	. 31
FB <i>Buphtalmum salicifolium</i>	E1	67	55	44 .
ES <i>Sesleria caerulea</i>	E1	50	55	59 19
SP <i>Salicetea purpureae</i>				
<i>Salix purpurea</i>	E2b	33	25	7 .
<i>Salix purpurea</i>	E2a	17	16	22 .
<i>Populus nigra</i>	E2b	17	9	.
<i>Populus nigra</i>	E2a	17	14	4 .
<i>Salix alba</i>	E2a	.	5	.
<i>Salix triandra</i>	E2b	.	5	.
<i>Salix</i> sp.	E2a	.	2	.
AI <i>Alnion incanae</i>				
<i>Alnus incana</i>	E3	17	5	41 6
<i>Alnus incana</i>	E2b	83	39	44 .
<i>Alnus incana</i>	E2a	33	30	.
<i>Alnus incana</i>	E1	33	7	.
<i>Frangula alnus</i>	E3b	.	2	7 13
<i>Frangula alnus</i>	E2b	50	32	41 19
<i>Frangula alnus</i>	E2a	100	39	26 31
<i>Rubus caesius</i>	E1	17	57	63 88
<i>Knautia drymeia</i> subsp. <i>intermedia</i>	E1	33	32	44 .
<i>Viburnum opulus</i>	E2a	33	16	7 13
<i>Festuca gigantea</i>	E1	17	16	. 31
<i>Alnus glutinosa</i>	E2b	.	7	4 .

	Successive number (Zaporedna štev.)			
	1	2	3	4
<i>Acer negundo</i>	E2a	.	2	.
<i>Asperula taurina</i>	E1	.	5	.
<i>Cardamine impatiens</i>	E1	.	5	. 56
<i>Equisetum telmateia</i>	E1	.	2	.
<i>Chrysosplenium alternifolium</i>	E1	.	.	. 38
<i>Botrychium virginianum</i>	E1	.	.	. 6
<i>Aesculus hippocastanum</i>	E2b	.	.	. 6
QP <i>Quercetalia pubescenti-petraeae</i>				
<i>Carex flacca</i>	E1	67	9	7 .
<i>Sorbus aria</i> (<i>Aria edulis</i>)	E3a	.	5	7 .
<i>Sorbus aria</i> (<i>Aria edulis</i>)	E2a	33	11	11 13
<i>Sorbus aria</i> (<i>Aria edulis</i>)	E2b	.	11	. 25
<i>Clematis recta</i>	E2a	17	11	4 56
<i>Coronilla emeroides</i>	E2	.	14	4 .
<i>Cornus mas</i>	E2b	.	7	.
<i>Arabis turrita</i>	E1	.	2	19 .
<i>Calamintha sylvatica</i>	E1	.	2	.
<i>Dichoropetalum schottii</i> (<i>Peucedanum schottii</i>)	E1	.	2	.
<i>Sorbus austriaca</i>	E2a	.	2	.
<i>Primula veris</i> subsp. <i>columnae</i>	E1	.	.	. 38
<i>Arabis turrita</i>	E1	.	.	. 13
<i>Euonymus verrucosa</i>	E2	.	.	. 6
<i>Cornus mas</i>	E2a	.	.	. 6
<i>Convallaria majalis</i>	E1	.	.	. 6
EC <i>Erythronio-Carpinion</i>				
<i>Primula vulgaris</i>	E1	17	11	19 63
<i>Helleborus odorus</i>	E1	17	9	11 .
<i>Crocus vernus</i> subsp. <i>vernus</i>	E1	.	7	7 .
<i>Galanthus nivalis</i>	E1	.	7	19 13
AF <i>Aremonio-Fagion</i>				
<i>Knautia drymeia</i>	E1	67	16	19 88
<i>Rhamnus fallax</i>	E2a	67	7	22 75
<i>Omphalodes verna</i>	E1	33	9	22 .
<i>Cyclamen purpurascens</i>	E1	17	7	22 56
<i>Helleborus niger</i>	E1	17	2	15 94
<i>Euphorbia carniolica</i>	E1	17	5	7 .
<i>Lamium orvala</i>	E1	.	7	19 75
<i>Anemone trifolia</i>	E1	.	5	19 94
<i>Geranium nodosum</i>	E1	.	2	.
<i>Hemerocallis lilioasphodelus</i>	E1	.	.	7 .
<i>Cardamine enneaphyllos</i>	E1	.	.	. 44
<i>Cardamine trifolia</i>	E1	.	.	. 31
TA <i>Tilio-Acerion</i>				
<i>Acer pseudoplatanus</i>	E3a	.	5	22 31
<i>Acer pseudoplatanus</i>	E2	83	36	26 25
<i>Aruncus dioicus</i>	E1	50	20	30 25
<i>Tilia cordata</i>	E3a	17	5	19 13
<i>Tilia cordata</i>	E2	33	27	22 31

	Successive number (Zaporedna štev.)	1	2	3	4		Successive number (Zaporedna štev.)	1	2	3	4						
	<i>Ulmus glabra</i>	E3a	.	2	15	50	<i>Sambucus nigra</i>	E3	.	.	.	25					
	<i>Ulmus glabra</i>	E2	50	20	37	88	<i>Sambucus nigra</i>	E2a	.	5	15	44					
	<i>Acer platanoides</i>	E3	.	.	.	6	<i>Sambucus nigra</i>	E1	.	.	.	13					
	<i>Acer platanoides</i>	E2a	17	2	4	.	<i>Leucojum vernum</i>	E1	.	5	15	.					
	<i>Thalictrum aquilegiifolium</i>	E1	17	.	.	50	<i>Galeobdolon flavidum</i>	E1	.	2	30	56					
	<i>Geranium robertianum</i>	E1	.	9	37	81	<i>Petasites albus</i>	E1	.	2	4	13					
	<i>Phyllitis scolopendrium</i>	E1	.	9	26	.	<i>Paris quadrifolia</i>	E1	.	.	.	69					
	<i>Polystichum aculeatum</i>	E1	.	7	7	13	<i>Myosotis sylvatica</i>	E1	.	.	.	38					
	<i>Polystichum x illyricum</i>	E1	.	7	.	.	<i>Dryopteris filix-mas</i>	E1	.	.	.	31					
	<i>Lunaria rediviva</i>	E1	.	2	7	44	<i>Luzula nivea</i>	E1	.	.	.	31					
	<i>Tilia platyphyllos</i>	E3b	.	.	.	56	<i>Cardamine pentaphyllos</i>	E1	.	.	.	13					
	<i>Tilia platyphyllos</i>	E3a	.	.	.	31	<i>Lonicera alpigena</i>	E2a	.	.	.	6					
	<i>Tilia platyphyllos</i>	E2b	.	.	.	25	<i>Lilium martagon</i>	E1	.	.	.	6					
	<i>Tilia platyphyllos</i>	E2a	.	2	4	31	<i>Festuca altissima</i>	E1	.	.	.	6					
	<i>Tilia platyphyllos</i>	E1	.	.	.	13	<i>Actaea spicata</i>	E1	.	.	.	6					
	<i>Polystichum braunii</i>	E1	.	2	.	.	<i>Epipactis helleborine</i>	E1	.	.	.	6					
	<i>Adoxa moschatellina</i>	E1	.	.	.	56	QR <i>Quercetalia roboris</i>										
	<i>Hesperis candida</i>	E1	.	.	.	13	<i>Potentilla erecta</i>	E1	50	5	4	6					
	<i>Corydalis solida</i>	E1	.	.	.	13	<i>Quercus robur</i>	E2a	.	9	.	.					
	<i>Euonymus latifolia</i>	E2	.	.	.	13	<i>Quercus robur</i>	E1	.	5	.	.					
	<i>Juglans regia</i>	E2	.	.	.	13	<i>Hieracium racemosum</i>	E1	.	5	4	.					
FS	<i>Fageta sylvaticae</i>						<i>Lembotropis nigricans</i>	E2a	.	2	.	.					
	<i>Salvia glutinosa</i>	E1	83	43	63	50	QF <i>Querco-Fagetea</i>										
	<i>Brachypodium sylvaticum</i>	E1	67	57	78	88	<i>Clematis vitalba</i>	E3a	17	2	11	25					
	<i>Fraxinus excelsior</i>	E3	.	.	.	<i>Clematis vitalba</i>	E2	67	50	56	50						
	<i>Fraxinus excelsior</i>	E2	67	27	37	88	<i>Corylus avellana</i>	E3	.	2	15	38					
	<i>Fraxinus excelsior</i>	E1	17	11	.	44	<i>Corylus avellana</i>	E2a	50	30	33	44					
	<i>Fagus sylvatica</i>	E3	.	5	11	50	<i>Listera ovata</i>	E1	50	5	19	100					
	<i>Fagus sylvatica</i>	E2	67	25	26	56	<i>Carex digitata</i>	E1	33	20	48	69					
	<i>Fagus sylvatica</i>	E1	.	.	.	19	<i>Aegopodium podagraria</i>	E1	33	16	19	81					
	<i>Galium laevigatum</i>	E1	50	36	52	.	<i>Anemone nemorosa</i>	E1	33	5	11	.					
	<i>Laburnum alpinum</i>	E2b	50	5	7	.	<i>Dactylorhiza fuchsii</i>	E1	33	5	19	25					
	<i>Viola reichenbachiana</i>	E1	33	23	11	31	<i>Hedera helix</i>	E1	17	34	33	6					
	<i>Asarum europaeum</i> subsp. <i>caucasicum</i>	E1	33	18	26	50	<i>Vinca minor</i>	E1	17	2	19	63					
	<i>Melica nutans</i>	E1	33	11	7	81	<i>Cruciata glabra</i>	E1	17	.	.	44					
	<i>Mycelis muralis</i>	E1	33	9	30	56	<i>Carex umbrosa</i>	E1	17	.	.	.					
	<i>Euphorbia amygdaloides</i>	E1	33	.	.	19	<i>Acer campestre</i>	E2a	.	9	7	.					
	<i>Campanula trachelium</i>	E1	17	7	11	69	<i>Hepatica nobilis</i>	E1	.	7	15	81					
	<i>Mercurialis perennis</i>	E1	17	7	26	94	<i>Lonicera xylosteum</i>	E2a	.	5	30	100					
	<i>Daphne mezereum</i>	E2a	17	16	33	88	<i>Veratrum nigrum</i>	E1	.	5	11	13					
	<i>Carpinus betulus</i>	E2a	17	16	4	.	<i>Viola riviniana</i>	E1	.	5	11	56					
	<i>Prunus avium</i>	E3a	.	2	.	.	<i>Anemone ranunculoides</i>	E1	.	5	.	.					
	<i>Prunus avium</i>	E2	17	7	.	6	<i>Rosa arvensis</i>	E2a	.	2	4	19					
	<i>Heracleum sphondylium</i>	E1	17	2	7	63	<i>Cerastium sylvaticum</i>	E1	.	2	4	6					
	<i>Allium ursinum</i>	E1	17	2	7	.	<i>Malus sylvestris</i>	E3a	.	2	.	.					
	<i>Symphytum tuberosum</i>	E1	17	.	.	6	<i>Pyrus pyraster</i>	E2a	.	2	.	.					
	<i>Lathyrus vernus</i>	E1	17	.	.	6	<i>Scilla bifolia</i>	E1	.	2	.	.					
	<i>Poa nemoralis</i>	E1	17	.	.	.	<i>Ulmus minor</i>	E1	.	2	.	.					
	<i>Euphorbia dulcis</i>	E1	17	.	.	.	<i>Moebringia trinervia</i>	E1	.	.	.	19					
	<i>Ranunculus lanuginosus</i>	E1	.	9	7	.	<i>Platanthera bifolia</i>	E1	.	.	.	13					
	<i>Scrophularia nodosa</i>	E1	.	7	4	6	<i>Taxus baccata</i>	E2a	.	.	.	6					

Successive number (Zaporedna štev.)		1	2	3	4	Successive number (Zaporedna štev.)		1	2	3	4	
	<i>Viola mirabilis</i>	E1	.	.	.		<i>Robinia pseudoacacia</i>	E2a	17	2	.	.
EP	<i>Erico-Pinetea</i>						<i>Rubus fruticosus</i> agg.	E2	.	14	7	.
	<i>Molinia arundinacea</i>	E1	83	41	33	.	<i>Euonymus europaea</i>	E2a	.	2	15	6
	<i>Aquilegia nigricans</i>	E1	83	5	11	44	<i>Platanus x hispanica</i>	E2a	.	2	.	.
	<i>Polygala chamaebuxus</i>	E1	63	5	11	.	<i>Prunus spinosa</i>	E2b	.	2	.	.
	<i>Erica carnea</i>	E1	50	11	11	6	<i>Prunus spinosa</i>	E2a	.	.	.	6
	<i>Pinus sylvestris</i>	E3	17	.	.		<i>Epilobietea angustifolii</i>					
	<i>Pinus sylvestris</i>	E2a	50	5	.		<i>Eupatorium cannabinum</i>	E1	67	45	48	19
	<i>Chamaecytisus hirsutus</i>	E2a	33	5	4	.	<i>Fragaria vesca</i>	E1	17	18	15	56
	<i>Leontodon incanus</i>	E1	33	.	.	.	<i>Galeopsis speciosa</i>	E1	.	5	4	.
	<i>Genista radiata</i>	E2a	17	7	7	.	<i>Solanum dulcamara</i>	E1	.	2	4	.
	<i>Chamaecytisus purpureus</i>	E1	.	16	4	.	<i>Rubus idaeus</i>	E2a	.	.	.	6
	<i>Asperula aristata</i>	E1	.	7	.		<i>Betulo-Alnetea</i>					
	<i>Carex alba</i>	E1	.	5	15	100	<i>Salix glabra</i>	E2a	.	5	.	.
	<i>Aster amellus</i>	E1	.	5	7	.		<i>Mulgedio-Aconitetea</i>				
	<i>Allium ericetorum</i>	E1	.	5	.	.	<i>Senecio ovatus (S. fuchsii)</i>	E1	17	18	41	13
	<i>Pinus mugo</i>	E2a	.	5	.	.	<i>Senecio nemorensis</i>	E1	17	.	.	6
	<i>Rubus saxatilis</i>	E1	.	2	15	31	<i>Centaurea montana</i>	E1	17	.	.	.
	<i>Peucedanum austriacum</i> subsp. <i>rabilense</i>	E1	.	2	.	19	<i>Chaerophyllum hirsutum</i>	E1	.	41	70	88
	<i>Aquilegia atrata</i>	E1	.	2	.	.	<i>Aconitum lycoctonum</i>	E1	.	9	15	100
	<i>Viola rupestris</i>	E1	.	2	.	.	<i>Aconitum lupicida</i>	E1	.	2	.	.
VP	<i>Vaccinio-Piceetea</i>						<i>Saxifraga rotundifolia</i>	E1	.	2	4	13
	<i>Picea abies</i>	E3	.	2	11	94	<i>Stellaria nemorum</i>	E1	.	.	.	44
	<i>Picea abies</i>	E2	67	16	30	94	<i>Aconitum angustifolium</i>	E1	.	.	.	19
	<i>Aposeris foetida</i>	E1	50	5	15	25	<i>Aconitum degenii</i> subsp. <i>paniculatum</i>	E1	.	.	.	25
	<i>Abies alba</i>	E2a	50	2	4	.	<i>Viola biflora</i>	E1	.	.	.	13
	<i>Solidago virgaurea</i>	E1	33	14	15	19		<i>Trifolio-Geranietae</i>				
	<i>Veronica urticifolia</i>	E1	17	11	19	.	<i>Origanum vulgare</i>	E1	33	9	22	.
	<i>Valeriana tripteris</i>	E1	17	2	7	6	<i>Salvia pratensis</i> subsp. <i>saccardiana</i>	E1	33	.	.	.
	<i>Rosa pendulina</i>	E1	17	.	.		<i>Silene nutans</i>	E1	33	.	.	.
	<i>Gentiana asclepiadea</i>	E1	.	2	7	.	<i>Lathyrus sylvestris</i>	E1	17	5	.	.
	<i>Larix decidua</i>	E2	.	2	.	.	<i>Astragalus glycyphyllos</i>	E1	17	2	4	.
	<i>Oxalis acetosella</i>	E1	.	.	.		<i>Iris graminea</i>	E1	17	2	4	.
	<i>Maianthemum bifolium</i>	E1	.	.	.		<i>Trifolium medium</i>	E1	17	2	.	.
	<i>Hieracium murorum</i>	E1	.	.	.		<i>Hypericum perforatum</i>	E1	.	11	4	.
	<i>Luzula sylvatica</i>	E1	.	.	.		<i>Campanula rapunculoides</i>	E1	.	9	7	6
RP	<i>Rhamno-Prunetea</i>						<i>Viola hirta</i>	E1	.	7	.	6
	<i>Cornus sanguinea</i>	E3a	.	.	.		<i>Violaria ramosum</i>	E1	.	5	.	6
	<i>Cornus sanguinea</i>	E2b	17	18	30	44	<i>Digitalis grandiflora</i>	E1	.	5	.	.
	<i>Cornus sanguinea</i>	E2a	83	43	30	56	<i>Libanotis daucifolia</i>	E1	.	5	7	.
	<i>Berberis vulgaris</i>	E2a	67	7	15	50	<i>Libanotis sibirica</i> subsp. <i>montana</i>	E1	.	5	4	.
	<i>Viburnum lantana</i>	E2	33	18	7	6	<i>Laserpitium latifolium</i>	E1	.	2	4	13
	<i>Rosa canina</i>	E2	33	7	7	.	<i>Achillea distans</i>	E1	.	2	4	.
	<i>Sorbus aucuparia</i>	E2b	33	2	.	19	<i>Valeriana wallrothii</i> (<i>V. Collina</i>)	E1	.	2	.	38
	<i>Crataegus monogyna</i>	E3a	.	5	19	6	<i>Vincetoxicum hirundinaria</i>	E1	.	2	.	56
	<i>Crataegus monogyna</i>	E2b	.	11	11	13	<i>Clinopodium vulgare</i>	E1	.	2	.	.
	<i>Crataegus monogyna</i>	E2a	17	27	22	6	<i>Laserpitium siler</i>	E1	.	2	.	.
	<i>Ligustrum vulgare</i>	E2a	17	25	19	6	<i>Peucedanum venetum</i>	E1	.	2	.	.
	<i>Rhamnus catharticus</i>	E2b	17	7	.	63	<i>Valeriana nemorensis</i>	E1	.	2	.	.
	<i>Juniperus communis</i>	E2	17	2	.	.	<i>Polygonatum odoratum</i>	E1	.	.	.	50
							<i>Thalictrum minus</i>	E1	.	.	.	19

	Successive number (Zaporedna štev.)	1	2	3	4		Successive number (Zaporedna štev.)	1	2	3	4	
	<i>Lilium bulbiferum</i>	E1	.	.	.	19	<i>Orchis militaris</i>	E1	.	2	.	.
	<i>Lilium carniolicum</i>	E1	.	.	.	6	<i>Plantago media</i>	E1	.	2	.	.
FB	Festuco-Brometea						<i>Polygala amarella</i>	E1	.	2	.	.
	<i>Cirsium erisithales</i>	E1	83	5	22	6	<i>Potentilla heptaphylla</i>	E1	.	2	.	.
	<i>Brachypodium rupestre</i>	E1	50	7	4	.	<i>Potentilla pusilla</i>	E1	.	2	.	.
	<i>Medicago lupulina</i>	E1	50	5	.	.	<i>Seseli annuum</i>	E1	.	2	.	.
	<i>Satureja montana</i> subsp. <i>variegata</i>	E1	33	9	4	.	Mo Molinion					
	<i>Sanguisorba minor</i> agg.	E1	33	7	7	.	<i>Cirsium oleraceum</i>	E1	50	25	26	19
	<i>Genista tinctoria</i>	E1	33	7	4	.	<i>Taraxacum palustre</i>	E1	17	.	.	.
	<i>Koeleria pyramidata</i>	E1	33	5	.	.	<i>Caltha palustris</i>	E1	.	5	4	6
	<i>Euphorbia cyparissias</i>	E1	17	27	26	.	<i>Laserpitium prutenicum</i>	E1	.	2	.	.
	<i>Carex humilis</i>	E1	17	16	11	.	<i>Filipendula ulmaria</i>	E1	.	.	.	19
	<i>Thymus praecox</i>	E1	17	14	7	.	<i>Crepis paludosa</i>	E1	.	.	.	6
	<i>Centaurea scabiosa</i> subsp. <i>fritschii</i>	E1	17	11	7	.	MA Molinio-Arrhenatheretea					
	<i>Pimpinella saxifraga</i>	E1	17	11	7	13	<i>Taraxacum sect. Taraxacum</i>	E1	83	34	19	13
	<i>Helianthemum nummularium</i> subsp. <i>obscurum</i>	E1	17	9	.	<i>Galium mollugo</i>	E1	83	18	7	44	
	<i>Echium vulgare</i>	E1	17	7	.	<i>Angelica sylvestris</i>	E1	83	16	33	88	
	<i>Medicago falcata</i>	E1	17	5	.	<i>Lotus corniculatus</i>	E1	67	20	.	.	
	<i>Gymnadenia conopsea</i>	E1	17	2	4	<i>Centaurea jacea</i>	E1	67	7	.	.	
	<i>Linum catharticum</i>	E1	17	2	4	<i>Leontodon hispidus</i>	E1	67	2	.	.	
	<i>Salvia pratensis</i>	E1	17	2	.	<i>Centaurea carniolica</i>	E1	50	43	22	.	
	<i>Silene vulgaris</i> subsp. <i>vulgaris</i>	E1	17	2	.	<i>Trifolium pratense</i>	E1	50	7	.	.	
	<i>Anthyllis vulneraria</i>	E1	17	.	.	<i>Vicia cracca</i>	E1	33	5	4	.	
	<i>Medicago minima</i>	E1	17	.	.	<i>Pimpinella major</i>	E1	33	.	.	.	
	<i>Thlaspi praecox</i>	E1	17	.	.	<i>Leucanthemum ircutianum</i>	E1	17	9	4	.	
	<i>Galium lucidum</i>	E1	17	.	.	<i>Dactylis glomerata</i>	E1	17	5	7	6	
	<i>Carlina vulgaris</i>	E1	7	.	.	<i>Ranunculus acris</i>	E1	17	2	.	6	
	<i>Peucedanum oreoselinum</i>	E1	.	18	15	13	<i>Agrostis stolonifera</i>	E1	17	5	.	.
	<i>Galium verum</i>	E1	.	16	.	<i>Barbarea vulgaris</i>	E1	17	2	.	.	
	<i>Centaurea bracteata</i>	E1	.	14	11	.	<i>Picris hieracioides</i>	E1	17	.	.	.
	<i>Carlina vulgaris</i>	E1	.	11	.	<i>Pulicaria dysenterica</i>	E1	17	.	.	.	
	<i>Hippocrepis comosa</i>	E1	.	9	.	<i>Plantago lanceolata</i>	E1	17	.	.	.	
	<i>Teucrium montanum</i>	E1	.	9	.	<i>Poa trivialis</i>	E1	17	.	.	13	
	<i>Asperula cynanchica</i>	E1	.	7	.	<i>Veronica chamaedrys</i>	E1	17	.	.	.	
	<i>Carlina biebersteinii</i> subsp. <i>brevibracteata</i>	E1	.	7	.	<i>Pastinaca sativa</i>	E1	17	.	.	.	
	<i>Galium purpureum</i>	E1	.	7	.	<i>Crepis biennis</i>	E1	17	.	.	.	
	<i>Polygala comosa</i>	E1	.	7	.	<i>Festuca arundinacea</i>	E1	17	.	.	.	
	<i>Scabiosa triandra</i>	E1	.	7	7	.	<i>Ajuga reptans</i>	E1	17	.	.	13
	<i>Bromopsis erecta</i>	E1	.	5	4	.	<i>Arrhenatherum elatius</i>	E1	17	.	.	.
	<i>Inula ensifolia</i>	E1	.	5	.	.	<i>Holcus lanatus</i>	E1	17	.	.	.
	<i>Prunella grandiflora</i>	E1	.	5	.	.	<i>Knautia arvensis</i>	E1	17	.	.	.
	<i>Teucrium chamaedrys</i>	E1	.	5	.	.	<i>Medicago sativa</i>	E1	17	.	.	.
	<i>Petrorhagia saxifraga</i>	E1	.	5	.	.	<i>Deschampsia cespitosa</i>	E1	.	32	22	63
	<i>Dorycnium germanicum</i>	E1	.	2	4	.	<i>Prunella vulgaris</i>	E1	.	14	22	.
	<i>Allium carinatum</i> subsp. <i>carinatum</i>	E1	.	2	.	.	<i>Daucus carota</i>	E1	.	5	.	.
	<i>Ajuga genevensis</i>	E1	.	2	.	.	<i>Plantago major</i>	E1	.	5	.	.
	<i>Carex caryophyllea</i>	E1	.	2	.	.	<i>Ranunculus nemorosus</i>	E1	.	5	4	6
	<i>Carlina acaulis</i>	E1	.	2	.	.	<i>Achillea roseoalba</i>	E1	.	2	.	.
	<i>Koeleria macrantha</i>	E1	.	2	.	.	<i>Lathyrus pratensis</i>	E1	.	2	.	.
						.	<i>Plantago intermedia</i>	E1	.	2	.	.
						.	<i>Vicia sepium</i>	E1	.	2	.	.

Successive number (Zaporedna štev.)		1	2	3	4	Successive number (Zaporedna štev.)	1	2	3	4		
	<i>Carex hirta</i>	E1	.	2	.	<i>Urtica dioica</i>	E1	.	.	.	56	
	<i>Ranunculus repens</i>	E1	.	.	.	19	<i>Glechoma hederacea</i>	E1	.	.	.	31
	<i>Anthriscus sylvestris</i>	E1	.	.	.	13	<i>Geum urbanum</i>	E1	.	.	.	13
ES	<i>Elyno-Seslerietea</i>						<i>Lamium maculatum</i>	E1	.	.	.	13
	<i>Carex ferruginea</i>	E1	50	2	4	.	<i>Chelidonium majus</i>	E1	.	.	.	6
	<i>Euphrasia picta</i>	E1	33	.	.	.	<i>Geranium phaeum</i>	E1	.	.	.	6
	<i>Carduus crassifolius</i>	E1	17	14	7	.	<i>Papaveretea rhoeoidis (Stellarietea mediae)</i>					
	<i>Erigeron glabratus</i>	E1	.	7	4	.	<i>Erigeron annuus</i>	E1	.	5	7	.
	<i>Selaginella helvetica</i>	E1	.	7	7	.	<i>Sonchus asper</i>	E1	.	5	4	.
	<i>Campanula witasekiana</i>	E1	.	5	.	.	<i>Conyza canadensis</i>	E1	.	2	.	.
	<i>Carex mucronata</i>	E1	.	5	7	.	<i>Conyza sumatrensis</i>	E1	.	2	.	.
	<i>Globularia cordifolia</i>	E1	.	5	7	.	<i>Echinochloa crus-galli</i>	E1	.	2	.	.
	<i>Betonica alopecuros</i>	E1	.	2	4	.	<i>Crepis rhoeadifolia</i>	E1	.	2	.	.
	<i>Euphrasia picta</i>	E1	.	2	.	.	<i>Digitaria ischaemum</i>	E1	.	2	.	.
	<i>Festuca calva</i>	E1	.	2	4	6	<i>Poa annua</i>	E1	.	2	4	.
	<i>Leucanthemum heterophyllum</i>	E1	.	2	4	.	<i>Polygonum persicaria</i>	E1	.	2	4	.
	<i>Phyteuma orbiculare</i>	E1	.	2	.	13	<i>Stipion calamagrostis</i>					
	<i>Poa alpina</i> var. <i>vivipara</i>	E1	.	2	.	.	<i>Achnatherum calamagrostis</i>	E1	50	43	30	.
CD	<i>Caricetalia davallianae</i>						<i>Calamintha einseleana</i>	E1	.	7	.	.
	<i>Carex lepidocarpa</i>	E1	17	2	7	.	<i>Euphorbia kernerii</i>	E1	.	7	4	.
	<i>Carex flava</i>	E1	17	.	.	.	<i>Chamaenerion palustre</i>	E1	.	5	.	.
	<i>Equisetum variegatum</i>	E1	.	9	4	.	<i>Centaurea dichroantha</i>	E1	.	2	.	.
	<i>Juncus articulatus</i>	E1	.	5	.	.	<i>Euphrasia stricta</i>	E1	.	2	.	.
	<i>Juncus inflexus</i>	E1	.	5	.	.	<i>Leontodon berinii</i>	E1	.	2	.	.
FC	<i>Filipendulo-Convolvuletea</i>						<i>Tblaspietea rotundifoliae</i>					
	<i>Helianthus tuberosus</i>	E1	17	5	4	.	<i>Hieracium bifidum</i>	E1	50	34	33	.
	<i>Mentha longifolia</i>	E1	.	14	7	.	<i>Hieracium piloselloides</i>	E1	33	9	.	.
	<i>Filipendula ulmaria</i>	E1	.	5	4	.	<i>Adenostyles glabra</i>	E1	33	5	19	56
	<i>Hemerocallis fulva</i>	E1	.	2	.	.	<i>Aquilegia iulia</i>	E1	33	.	.	.
	<i>Hosta plantaginea</i>	E1	.	2	.	.	<i>Leontodon hyoseroides</i>	E1	17	16	.	.
	<i>Lysimachia vulgaris</i>	E1	.	2	.	.	<i>Orobanche flava</i>	E1	17	.	.	.
	<i>Lythrum salicaria</i>	E1	.	2	.	.	<i>Gymnocarpium robertianum</i>	E1	17	.	.	25
AV	<i>Artemisieta vulgaris</i>						<i>Trisetum argenteum</i>	E1	.	23	15	.
	<i>Melilotus albus</i>	E1	17	.	.	.	<i>Aquilegia einseleana</i>	E1	.	11	.	6
	<i>Salvia verticillata</i>	E1	17	.	.	.	<i>Gypsophila repens</i>	E1	.	11	4	.
	<i>Artemisia vulgaris</i>	E1	17	7	.	.	<i>Silene vulgaris</i> subsp. <i>glareosa</i>	E1	.	9	.	.
	<i>Melilotus albus</i>	E1	.	5	.	.	<i>Athamanta cretensis</i>	E1	.	7	.	.
	<i>Melilotus officinalis</i>	E1	.	2	.	.	<i>Cerastium subtriflorum</i>	E1	.	7	11	6
	<i>Tanacetum vulgare</i>	E1	.	2	.	.	<i>Biscutella laevigata</i>	E1	.	5	.	.
AR	<i>Agropyretea repentis</i>						<i>Scrophularia canina</i>	E1	.	5	.	.
	<i>Tussilago farfara</i>	E1	33	25	11	.	<i>Hieracium austriacum</i>	E1	.	5	.	.
	<i>Poa compressa</i>	E1	17	.	.	.	<i>Arabis alpina</i>	E1	.	2	19	6
	<i>Equisetum arvense</i>	E1	.	5	19	19	<i>Equisetum ramosissimum</i>	E1	.	2	.	.
	<i>Agropyron repens</i>	E1	.	.	.	.	<i>Thesium rostratum</i>	E1	.	2	.	.
GU	<i>Galio-Urticetea</i>						<i>Tolpis staticifolia</i>	E1	.	2	.	.
	<i>Petasites hybridus</i>	E1	33	27	11	19	<i>Festuca laxa</i>	E1	.	2	.	.
	<i>Impatiens glandulifera</i>	E1	17	.	.	.	<i>Geranium macrorrhizum</i>	E1	.	2	.	.
	<i>Impatiens parviflora</i>	E1	17	.	.	.	<i>Hieracium dollineri</i>	E1	.	2	.	.
	<i>Solidago gigantea</i>	E1	.	20	15	6	<i>Cardaminopsis arenosa</i>	E1	.	.	.	13
	<i>Galeopsis pubescens</i>	E1	.	5	.	.	<i>Astrantio-Paederotion</i>					
	<i>Parietaria officinalis</i>	E1	.	5	.	56	<i>Astrantia carniolica</i>	E1	33	7	4	38

	Successive number (Zaporedna štev.)	1	2	3	4		Successive number (Zaporedna štev.)	1	2	3	4	
	<i>Aster bellidiastrum</i>	E1	17	23	11	.	<i>Tortella tortuosa</i>	E0	33	34	26	.
	<i>Paederota lutea</i>	E1	17	5	.	.	<i>Schistidium apocarpum</i>	E0	17	61	59	.
	<i>Leontodon hispidus</i> subsp. <i>brumatii</i>	E1	.	18	15	.	<i>Brachythecium rutabulum</i>	E0	.	30	41	6
	<i>Heliosperma pusillum</i>	E1	.	9	7	.	<i>Plagiomnium undulatum</i>	E0	.	5	30	.
	<i>Cystopteris fragilis</i>	E1	.	.	.	6	<i>Isothecium alopecuroides</i>	E0	.	5	19	.
PcSp	<i>Physoplexido comosae-Saxifragion petraeae</i>						<i>Conocephalum conicum</i>	E0	.	2	19	.
	<i>Phyteuma scheuchzeri</i> subsp. <i>columnae</i>	E1	33	.	.	.	<i>Fissidens dubius</i>	E0	.	2	11	.
	<i>Hieracium pospischalii</i>	E1	17	30	11	.	<i>Homalothecium lutescens</i>	E0	.	5	7	.
	<i>Campanula cespitosa</i>	E1	17	27	15	.	<i>Cirriphyllum crassinervium</i>	E0	.	5	.	.
	<i>Hieracium porrifolium</i>	E1	.	27	19	.	<i>Didymodon spadiceus</i>	E0	.	5	.	.
	<i>Seseli gouanii</i>	E1	.	9	.	.	<i>Hygrohypnum luridum</i>	E0	.	5	.	.
	<i>Micromeria thymifolia</i>	E1	.	5	4	.	<i>Hylocomiadelphus triquetrus</i> (<i>Rhytidadelphus triquetrus</i>)	E0	.	2	7	81
	<i>Spiraea decumbens</i> subsp. <i>decumbens</i>	E1	.	5	7	.	<i>Palustriella commutata</i>	E0	.	2	15	.
	<i>Campanula carnica</i>	E1	.	2	.	.	<i>Mnium</i> sp.	E0	.	2	.	6
PC	<i>Potentilletalia caulescentis</i>						<i>Fontinalis antipyretica</i>	E1	.	2	.	.
	<i>Hieracium glaucum</i>	E1	17	18	4	.	<i>Homalothecium sericeum</i>	E0	.	2	.	.
AT	<i>Asplenietea trichomanis</i>						<i>Pellia endiviifolia</i>	E0	.	2	.	.
	<i>Asplenium ruta-muraria</i>	E1	.	16	11	.	<i>Preissia quadrata</i>	E0	.	2	.	.
	<i>Asplenium trichomanes</i>	E1	.	7	33	13	<i>Scleropodium purum</i>	E0	.	2	.	.
	<i>Kernera saxatilis</i>	E1	.	5	.	.	<i>Thuidium abietinum</i>	E0	.	2	.	.
	<i>Moebringia mucosa</i>	E1	.	.	.	50	<i>Plagiomnium undulatum</i>	E0	.	.	.	100
	<i>Polypodium vulgare</i>	E1	.	.	.	6	<i>Climaciumpendroides</i>	E0	.	.	.	19
O	Other species (Druge vrste)						<i>Eurhynchium angustirete</i>	E0	.	.	.	13
	<i>Orchis</i> sp.	E1	.	.	.	6	<i>Hylocomium splendens</i>	E0	.	.	.	6
ML	Mosses and lichens (Mahovi in lišaji)						<i>Thuidium delicatulum</i>	E0	.	.	.	6
	<i>Ctenidium molluscum</i>	E0	33	30	59	6						

Legend - Legenda

- 1 – Sepco *Salicetum eleagno-purpureae caricetosum ornithopodae* (Dakskobler, 2010, Table / tabela 2, relevés / popisi 1–6)
- 2 – Seapin *Salicetum eleagno-appendiculatae* initial forms (initialne oblike) and (in) var. *Alnus incana*, this article, Table 2 (ta članek, Tabela 2)
- 3 – Seapgr *Salicetum eleagno-appendiculatae* var. *Geranium robertianum* and var. *Alnus incana*, this article, Table 1 (ta članek, Tabela 1)
- 4 – LaSeca *Lamio orvalae-Salicetum eleagni caricetosum albae* (Dakskobler, 2007, Table 1 / Tabela 1, relevés / popisi 7–22).

Table 4: *Peucedano verticillari-Ostryetum carpinifoliae*

Table 4: *Peucedano verticillari-Ostryetum carpinifoliae*

Number of relevé (Zaporedna številka popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Database number of relevé (Številka popisa v podatkovni bazi)	288877	261112	274284	274285	288867	293276	293713	293674	293684	293695	293687	293689	293673	293691	293681		
Altitude in m (Nadmorska višina v m)	350	320	400	350	350	640	490	455	590	530	570	570	480	570	610		
Aspect (Lega)	SW	E	NW	E	SSW	0	SW	SW	SW	0	SW	0	S	SSW			
Slope in degrees (Nagib v stopinjah)	35	2	30	15	15	0	5	1	5	5	0	5	0	1	5		
Parent material (Matična podlaga)	Rs	De	Rs	Rs	Rs	Gr	De	Gr	De	De	Gr	De	Gr	Gr	De		
Soil type (Talni tip)	Re	Li	Li	Li	Li	Flu	Flu	Flu	Li	Li	Flu	Flu	Flu	Flu	Li		
Stoniness in % (Kamnitost v %)	30	20	100	100	90	90	100	60	70	80	90	90	95	100			
Cover in % (Zastiranje v %)																	
Tree layer (Drevesna plast)	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shrub layer (Grmovna plast)	E2	50	80	60	60	70	30	40	80	80	70	60	70	30	60		
Herb layer (Zeliščna plast)	E1	70	60	30	40	60	60	50	70	60	70	70	70	70	60		
Moss layer (Mahovna plast)	E0	30	.	.	.	10	.	5	5	10	10	1	5	.	5		
Maximum tree diameter (Maks. premer dreves)	cm	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Maximum tree height (Maks. višina dreves)	m	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Number of species (Število vrst)	m ²	34	33	41	59	38	42	19	40	52	42	40	44	46	48		
Relevé area (Velikost popisne ploskve)	m ²	100	100	100	100	200	60	50	40	100	200	200	40	100	100		
Date of taking relevé (Datum popisa)		8/26/2021	4/19/2016	4/26/2018	8/26/2021	7/27/2022	8/5/2022	8/1/2022	8/3/2022	8/5/2022	8/3/2022	8/1/2022	8/3/2022	8/1/2022	8/3/2022		
Locality (Nahajališče)																	
Quadrant (Srednjeevropski kvadrant)																	
Coordinates (Koordinate) GK Y (D-48)	m	5122246	378815	9746/4	Nadiža-Logje	5109850	416424	9849/4	Kazarska grapa	5120724	396329	9747/4	Brinta	5122243	378863	9746/4	Nadiža-Logje
Coordinates (Koordinate) GK X (D-48)	m	5126528	375989	9746/1	Nadiža-Beli potok	5125476	375549	9746/1	Nadiža-Beli potok	5124925	375827	9746/1	Nadiža-Beli potok	5125934	375851	9746/1	Nadiža-Beli potok
Diagnostic species of the association (Diagnostične vrste asocijacije)	TR	+	2	3	2	3	1	+	+	.	+	.	1	2	1	1	
	QP	
	QP	Ostrya carpinifolia	3	4	3	4	4	3	3	4	5	3	4	4	1	.	
	QP	Ostrya carpinifolia	E2a	.	.	1	.	.	+	1	.	1	1	1	3	3	
	QP	Ostrya carpinifolia	E1	.	.	.	1	
	BA	Salix appendiculata	E2	+	.	+	+	1	+	.	+	2	+	+	+	+	
	Sct	Peucedanum verticillare	E1	2	.	.	+	+	+	1	.	+	
	AI	Rubus caesius	E1	.	.	+	+	.	+	1	1	.	.	3	+	+	
	AI	Knautia drymeia subsp. <i>intermedia</i>	E1	+	1	2	1	1	1	2	+	1	
	SP	Salix eleagnos	E3	1	.	.	
	SP	Salix eleagnos	E2	.	+	.	+	+	+	.	.	.	+	+	+	1	

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SP	<i>Salix eleagnos</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	.
AI	<i>Alnus incana</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AI	<i>Alnus incana</i>	E2	.	.	.	.	.	+	.	.	.	+	+	+	1	.
FS	<i>Fraxinus excelsior</i>	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FS	<i>Fraxinus excelsior</i>	E2	.	.	.	+	.	1	.	.	.	.	+	1	.	.
FS	<i>Fraxinus excelsior</i>	E1	.	.	+	.	.	+	+	.	1	+	1	+	.	+
SP	<i>Salicetea purpureae</i>															
	<i>Salix purpurea</i>	E2	.	.	+	r	.	.	.	.	.	.	.	.	+	.
	<i>Salix alba</i>	E2b	.	.	.	.	r	.	.	.	.	.	.	.	.	.
	<i>Populus nigra</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	+	.	.
AI	<i>Alnion incanae</i>															
	<i>Frangula alnus</i>	E2	.	.	.	.	1	.	.	.	.	.	.	.	.	.
	<i>Viburnum opulus</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Alnus glutinosa</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Alnus glutinosa</i>	E2	.	.	.	.	.	.	.	2	.	.	.	1	.	.
	<i>Asperula taurina</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	1
	<i>Cardamine impatiens</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Vitis sylvestris</i>	E2a	.	.	.	r	.	.	.	.	.	.	.	.	.	.
	<i>Festuca gigantea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.
QP	<i>Quercetalia pubescenti-petraeae</i>															
	<i>Fraxinus ornus</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Fraxinus ornus</i>	E2b	3	.	1	.	.	.	.	.	.	.	.	.	.	.
	<i>Fraxinus ornus</i>	E2a	.	.	2	+	1	+	+	.	+	+	+	+	.	.
	<i>Fraxinus ornus</i>	E1	.	.	+	+	.	1	.	.	.	.	1	.	+	+
	<i>Carex flacca</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Sorbus aria (Aria edulis)</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Sorbus aria (Aria edulis)</i>	E2	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Melittis melissophyllum</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Cornus mas</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Cornus mas</i>	E2	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Arabis turrita</i>	E1	.	1	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Clematis recta</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Calamintha sylvatica</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.
	<i>Laburnum anagyroides</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EC	<i>Erythronio-Carpinion</i>															
	<i>Primula vulgaris</i>	E1	.	+	.	.	.	.	.	.	r	.	.	.	.	.
	<i>Helleborus odorus</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.
AF	<i>Arenonio-Fagion</i>															
	<i>Cyclamen purpurascens</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Anemone trifolia</i>	E1	.	+	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Lamium orvala</i>	E1	.	.	+	+	.	.	.	.	+	.	+	.	.	.
	<i>Omphalodes verna</i>	E1	+	.	.	.	.	.	.	.	+	.	+	+	.	.
	<i>Knautia drymeia</i>	E1	.	.	.	+	1	.	.	.	.	.	.	.	.	.
	<i>Lathyrus vernus subsp. <i>flaccidus</i></i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Euphorbia carniolica</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.
	<i>Helleborus niger</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Anemone x pittonii</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Hemerocallis lilioasphodelus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Potentilla carniolica</i>	E1	.	1	.	.	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
.	1	3
.	.	+	.	.	+	r	.	.	+	+	r	.	6	18
.	+	+	.	+	+	+	.	1	11	33
.	+	1	.	+	.	3	9
.	+	+	.	.	+	.	1	.	+	.	.	9	27
.	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	11	33
.	5	15
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	+	+	.	.	.	1	4	12
.	+	+	+	.	.	.	3	9
+	.	1	.	.	1	3	9
.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	9
.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
1	2	2	.	1	.	3	1	1	2	1	1	2	.	+	+	1	1	15	45
1	1	2	2	1	1	.	1	1	1	.	+	+	+	+	1	.	+	17	52
.	1	1	1	1	1	1	1	1	1	.	.	.	1	+	+	+	+	23	70
.	.	1	1	1	.	.	.	1	.	.	+	.	1	11	33
+	1	.	+	1	1	1	1	+	.	.	.	+	10	30
.	.	.	.	.	.	.	+	.	.	.	.	1	.	.	.	.	2	6
.	.	.	.	.	+	.	.	.	.	.	.	+	+	+	.	.	5	15
.	+	+	.	.	1	+	.	5	15
.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	3
+	1	+	.	.	+	.	5	15
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	6
.	2	2	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	+	.	.	+	.	.	.	+	.	.	.	.	+	.	6	18
.	.	+	r	.	.	.	.	.	.	.	.	.	.	+	.	.	4	12
+	+	.	+	.	.	1	+	+	+	+	+	1	1	1	1	1	.	15	45
+	.	+	1	.	.	.	+	.	.	1	+	.	1	9	27
.	.	r	.	.	.	.	.	.	+	.	.	+	+	.	.	.	8	24
2	.	.	.	.	.	2	.	.	.	.	.	2	2	.	.	.	8	24
.	.	.	.	.	1	.	+	.	.	.	+	.	.	.	.	.	5	15
.	.	.	+	+	.	.	.	.	+	.	.	+	.	.	.	.	4	12
.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	3	9
1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	6
+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	6
.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<i>Cardamine enneaphyllos</i>		E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hacquetia epipactis</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhamnus fallax</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TA <i>Tilio-Acerion</i>																
<i>Acer pseudoplatanus</i>		E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acer pseudoplatanus</i>		E2b	+	.	+	.	.	.	.	.	.	.	.	+	.	.
<i>Acer pseudoplatanus</i>		E2a	.	.	.	+	+	.	.	.	+	.	.	.	.	.
<i>Acer pseudoplatanus</i>		E1	.	+	1	+	.	+	.	+	1	+	1	+	.	+
<i>Ulmus glabra</i>		E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ulmus glabra</i>		E2b	.	.	.	.	.	.	.	.	+	.	.	.	.	.
<i>Ulmus glabra</i>		E2a	.	.	.	+	.	.	.	1	1	+	+	1	.	.
<i>Ulmus glabra</i>		E1	.	+	.	+	.	.	+	.	.	.	.	.	+	.
<i>Polystichum aculeatum</i>		E1	.	+	.	.	.	.	.	.	1	1	+	1	+	.
<i>Aruncus dioicus</i>		E1	.	.	.	+	.	+	.	.	+	.	+	.	+	.
<i>Geranium robertianum</i>		E1	.	.	+	.	.	+	.	.	+	+	.	+	+	.
<i>Phyllitis scolopendrium</i>		E1	.	.	.	.	.	.	.	1	.	1	.	.	.	+
<i>Tilia cordata</i>		E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tilia cordata</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tilia cordata</i>		E2a	.	.	.	.	.	.	.	+	.	+	+	.	.	.
<i>Tilia cordata</i>		E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.
<i>Dryopteris affinis</i>		E1	.	.	.	.	.	.	.	1	.	.	+	.	.	.
<i>Polystichum x illyricum</i>		E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.
<i>Polystichum braunii</i>		E1	.	.	.	.	.	.	.	+	.	.	+	.	.	.
<i>Tilia platyphyllos</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tilia platyphyllos</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Polystichum setiferum</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tephroseris longifolia</i>		E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
<i>Juglans regia</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acer platanoides</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tephroseris pseudocrispata</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FS <i>Fagellalia sylvaticae</i>																
<i>Galium laevigatum</i>		E1	.	1	1	+	+	+	.	.	1	+	1	+	+	.
<i>Salvia glutinosa</i>		E1	.	+	1	+	.	1	1	.	1	+	2	2	1	2
<i>Asarum europaeum</i> subsp. <i>caucasicum</i>		E1	.	.	+	.	.	.	+	+	1	1	+	+	.	.
<i>Brachypodium sylvaticum</i>		E1	.	.	.	.	+	+	+	1	+	.	+	+	.	1
<i>Fagus sylvatica</i>		E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Fagus sylvatica</i>		E2b	.	.	.	.	.	.	.	.	+	.	.	.	.	.
<i>Fagus sylvatica</i>		E2a	.	+	r	r	.	.	.	.	r	.	.	+	+	.
<i>Fagus sylvatica</i>		E1	.	.	.	+	.	+	.	.	.	.	.	.	.	1
<i>Daphne mezereum</i>		E2a	.	.	.	.	.	.	.	+	.	.	1	+	.	.
<i>Galeobdolon flavidum</i>		E1	.	.	1	.	.	.	.	.	.	+	+	.	.	+
<i>Dryopteris filix-mas</i>		E1	.	.	.	.	.	.	.	.	2	1	+	+	.	.
<i>Mercurialis perennis</i>		E1	.	.	.	.	.	.	+	.	1	.	.	.	.	.
<i>Lathyrus vernus</i>		E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Mycelis muralis</i>		E1	.	+	+	+	.	.	.	.	.	.	.	+	.	.
<i>Campanula trachelium</i>		E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.
<i>Petasites albus</i>		E1	.	.	.	.	.	.	.	+	.	1	+	+	+	.
<i>Pulmonaria officinalis</i>		E1	.	.	.	+	.	.	.	.	.	.	+	.	.	.
<i>Sambucus nigra</i>		E2b	.	.	.	+	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
.	1	3
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	+	.	1	3
+	+	.	1	.	.	+	+	1	.	+	.	7	21
.	.	.	1	.	4	+	.	.	.	+	.	.	.	7	21
.	.	.	+	+	.	+	+	+	.	1	+	+	11	33
+	.	.	+	+	1	.	+	1	.	1	.	.	.	17	52
.	.	.	1	+	+	.	3	9
.	.	.	1	2	6
.	+	.	+	+	+	.	.	.	1	.	+	.	12	36
.	.	.	+	r	.	+	1	.	.	+	9	27
.	.	.	1	+	.	+	+	+	12	36
.	+	+	1	.	.	1	+	.	.	.	10	30
.	.	.	1	+	1	+	10	30
.	.	.	1	+	.	1	.	+	.	.	1	+	9	27
.	2	2	.	.	+	+	4	12
.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	6
.	.	+	+	+	.	.	.	6	18
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	+	+	+	+	.	.	.	.	.	6	18
.	r	.	+	+	4	12
.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	3	9
.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	2	6
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	r	.	.	.	.	.	.	+	.	.	.	.	.	.	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	3
.	.	.	1	1	1	+	+	+	1	1	+	+	1	1	+	+	1	26	79
+	+	.	1	+	+	.	+	1	1	.	1	1	1	1	+	.	.	24	73
.	+	.	1	.	.	1	.	+	1	1	+	.	.	1	1	2	.	17	52
.	+	+	.	1	1	+	.	1	1	+	2	.	17	52
.	.	.	.	.	.	.	+	2	.	.	+	+	.	1	.	.	5	15
.	+	.	.	.	.	1	1	.	1	1	.	.	.	.	.	.	6	18
.	+	.	+	.	+	.	1	+	+	1	1	1	1	+	.	.	17	52	
.	.	.	r	.	.	.	.	.	.	.	.	1	1	.	.	.	6	18
.	+	.	+	.	.	1	+	+	1	+	+	1	1	.	+	.	15	45	
.	.	.	1	1	1	.	+	+	1	1	.	+	.	11	33
.	.	.	+	.	.	.	.	.	+	+	+	+	+	.	.	1	11	33
.	.	.	r	+	+	.	.	1	1	+	+	+	10	30
.	.	.	1	1	+	.	.	.	.	+	.	.	+	1	.	.	7	21
.	.	.	1	.	.	.	.	.	.	+	.	.	.	.	.	+	7	21
.	+	.	+	.	.	.	.	+	.	.	.	.	+	.	.	+	6	18
.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	6	18
.	.	.	.	.	.	.	.	+	.	.	.	+	+	.	.	.	5	15
.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	2	6

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<i>Sambucus nigra</i>		E2a	.	.	.	+	.	.	.	.	.	+	.	.	.	.
<i>Carpinus betulus</i>		E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carpinus betulus</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carpinus betulus</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	+
<i>Carpinus betulus</i>		E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.
<i>Scrophularia nodosa</i>		E1	.	.	+	.	.	.	.	.	.	.	+	.	.	.
<i>Melica nutans</i>		E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
<i>Sympytum tuberosum</i>		E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Viola reichenbachiana</i>		E1	.	.	.	.	.	.	.	+	+	+	.	.	.	.
<i>Laburnum alpinum</i>		E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Laburnum alpinum</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Laburnum alpinum</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Epipactis helleborine</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Heracleum sphondylium</i>		E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Euphorbia dulcis</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Myosotis sylvatica</i>		E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Leucojum vernum</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ranunculus lanuginosus</i>		E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.
<i>Euphorbia amygdaloides</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lonicera alpigena</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Polygonatum multiflorum</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Sanicula europaea</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Prunus avium</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cephalanthera damasonium</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
QR	<i>Quercetalia roboris</i>																
	<i>Potentilla erecta</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.
	<i>Rubus hirtus</i>	E2a	.	.	.	.	.	.	.	.	+	.	.	.	.	1
	<i>Castanea sativa</i>	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Hieracium racemosum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Melampyrum pratense</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Populus tremula</i>	E2a	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Quercus petraea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Quercus robur</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Quercus robur</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
QF	<i>Querco-Fagetea</i>																
	<i>Clematis vitalba</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Clematis vitalba</i>	E2	+	1	1	1	+	1	1	1	1	+	.	1	1	+	1
	<i>Carex digitata</i>	E1	+	1	.	.	+	+	.	1	+	.	.	.	+	+	+
	<i>Hedera helix</i>	E3a
	<i>Hedera helix</i>	E1	.	.	+	.	+	+	.	1	+	.	+	+	+	+	+
	<i>Corylus avellana</i>	E3
	<i>Corylus avellana</i>	E2b	+	.	.	+
	<i>Corylus avellana</i>	E2a	.	.	+	.	+	+	.	.	+	+	+
	<i>Corylus avellana</i>	E1	+	.	.
	<i>Vinca minor</i>	E1	1
	<i>Acer campestre</i>	E3b
	<i>Acer campestre</i>	E2b	+
	<i>Acer campestre</i>	E2a	+	+
	<i>Acer campestre</i>	E1	+	+	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
.	.	.	+	+	+	.	5	15
.	+	+	3	4	.	4	12
.	.	.	+	+	.	+	3	9	
.	.	.	r	.	.	+	.	.	+	.	.	.	.	.	.	.	4	12
.	+	2	6	
.	.	.	+	.	+	4	12	
.	+	+	.	.	3	9	
.	+	.	.	+	.	.	3	9	
.	3	9	
.	.	.	.	+	1	3	
.	.	.	.	+	.	.	.	+	1	3	
.	+	1	3	
.	+	+	.	+	+	.	3	9
.	.	.	+	2	6	
.	+	.	+	2	6	
.	1	3	
.	.	.	+	1	3	
.	1	3	
.	1	3	
.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	+	1	3	
.	+	1	3	
.	+	1	3	
.	+	.	.	.	+	.	.	.	2	6	
.	+	.	+	+	2	6	
.	.	.	+	+	1	3	
.	.	.	+	+	1	3	
.	1	.	.	.	.	1	1	2	.	5	15	
.	1	2	.	.	+	1	1	.	2	1	2	2	.	12	36
.	+	+	.	.	+	.	.	+	1	.	.	r	.	.	.	.	12	36
.	1	3	
.	1	1	.	.	.	2	1	+	1	1	.	+	.	.	.	+	10	30	
.	+	.	1	3	
.	.	.	+	.	+	+	.	+	+	+	2	6		
.	.	.	+	.	+	+	.	+	+	+	.	.	.	+	.	+	9	27	
.	.	.	+	.	+	+	.	+	+	+	.	.	+	+	.	5	15		

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<i>Viola riviniana</i>		E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
<i>Veratrum nigrum</i>		E1	.	.	.	.	.	.	+	+	.	.	.	.	.	.
<i>Aegopodium podagraria</i>		E1	.	.	.	.	.	.	1	.	.	+	.	.	.	.
<i>Lonicera xylosteum</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lonicera xylosteum</i>		E2a	.	.	.	.	.	.	.	.	r	.	.	.	.	.
<i>Hepatica nobilis</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ficaria verna (Ranunculus ficaria)</i>		E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Cerastium sylvaticum</i>		E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.
<i>Rosa arvensis</i>		E2a	.	.	.	.	.	.	.	.	.	+	.	.	.	.
<i>Anemone nemorosa</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Listera ovata</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EP <i>Erico-Pinetea</i>																
<i>Calamagrostis varia</i>		E1	+	.	+	+	1	.	.	1	+	1	1	2	1	1
<i>Molinia arundinacea</i>		E1	+	.	.	.	1	2	1	3	.	1	2	1	1	2
<i>Carex alba</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carex ornithopoda</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Erica carnea</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Polygala chamaebuxus</i>		E1	.	+	.	.	+	.	.	.	.	.	.	.	.	.
<i>Aquilegia nigricans</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chamaecytisus hirsutus</i>		E2a	.	+	.	.	.	.	.	.	.	.	.	.	.	.
<i>Asperula aristata</i>		E1	.	.	.	.	.	.	.	.	.	.	.	+	+	.
<i>Pinus nigra</i>		E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pinus nigra</i>		E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Genista radiata</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Polygala nicaeensis</i> subsp. <i>forojulensis</i>		E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pinus sylvestris</i>		E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Aster amellus</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chamaecytisus purpureus</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rubus saxatilis</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VP <i>Vaccinio-Piceetea</i>																
<i>Veronica urticifolia</i>		E1	.	+	.	+	.	.	.	1	+	+	.	+	+	.
<i>Solidago virgaurea</i>		E1	.	.	.	.	.	+	.	.	+	.	.	.	.	+
<i>Picea abies</i>		E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Picea abies</i>		E2b	+	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Picea abies</i>		E2a	.	.	.	.	.	.	.	+	.	+	+	.	.	.
<i>Picea abies</i>		E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Gentiana asclepiadea</i>		E1	.	.	.	.	.	.	.	+	+	+	.	.	.	.
<i>Aposeris foetida</i>		E1	.	.	.	.	.	.	.	.	.	+	+	.	.	.
<i>Oxalis acetosella</i>		E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.
SSc <i>Sambuco-Salicion capreae</i>																
<i>Salix caprea</i>		E2a	.	.	+	+	.	.	.	.	.	.	.	.	.	.
<i>Rubus idaeus</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RP <i>Rhamno-Prunetea</i>																
<i>Cornus sanguinea</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cornus sanguinea</i>		E2a	.	.	.	.	+	.	.	.	.	.	.	.	.	.
<i>Viburnum lantana</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Viburnum lantana</i>		E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhamnus catharticus</i>		E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhamnus catharticus</i>		E2a	.	.	+	.	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
+	.	.	1	+	.	.	.	.	.	.	.	+	.	.	+	.	.	6	18
.	1	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	5	15
.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	3	9
.	.	.	.	.	.	.	+	.	.	.	.	.	1	.	.	.	.	2	6
.	.	.	.	.	.	.	.	.	+	.	.	.	1	.	.	.	.	3	9
+	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
+	2	2	1	2	4	3	1	2	+	2	3	2	1	+	3	1	3	29	88
2	.	.	.	.	2	.	1	3	1	1	1	1	1	+	.	.	.	21	64
1	+	1	.	.	.	+	.	+	1	+	.	1	+	.	.	.	.	9	27
.	+	+	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
.	2	3	+	.	.	.	1	.	.	.	.	.	.	.	.	.	+	5	15
+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	4	12
+	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	3	9
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	6
.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	2	6
.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	2	6
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	3
.	+	.	+	.	.	.	.	.	+	+	.	+	.	.	.	.	+	13	39
.	.	+	+	+	+	.	.	+	+	+	r	.	.	1	+	+	.	13	39
1	+	1	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	5	15
+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	9
1	.	.	.	.	.	+	1	.	.	.	+	.	.	+	.	.	+	9	27
.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	+	+	.	+	1	+	.	.	.	8	24
.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	4	12
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	3	9
.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	3
.	2	1	.	+	.	+	.	.	.	.	.	.	.	.	1	.	.	5	15
.	1	+	+	+	+	+	.	.	.	.	.	.	+	.	.	.	.	8	24
.	1	.	.	.	.	+	+	.	.	.	.	.	.	.	.	+	.	4	12
.	.	.	.	.	.	1	.	.	+	.	.	.	+	.	.	.	.	3	9
.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	3	9

Number of relevé (Zaporedna številka popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<i>Crataegus monogyna</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Crataegus monogyna</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Crataegus monogyna</i>	E2a	.	.	.	.	.	.	1	.	.	.	.	.	.	.
<i>Berberis vulgaris</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ligustrum vulgare</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rubus fruticosus agg.</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Juniperus communis</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Euonymus europaea</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rosa canina</i>	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rosa glauca</i>	E2a	.	.	+	.	.	.	.	.	.	.	.	.	.	.
EA <i>Epilobietea angustifolii</i>															
<i>Eupatorium cannabinum</i>	E1	.	+	+	.	.	+	.	.	+	+	+	+	+	.
<i>Fragaria vesca</i>	E1	.	.	.	.	.	1	+	1	+	.	.	.	.	.
<i>Solanum dulcamara</i>	E1	.	.	.	.	.	+	.	.	+	.	.	.	.	.
<i>Galeopsis speciosa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Bromopsis benekenii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MuA <i>Mulgedio-Aconitea</i>															
<i>Senecio ovatus (S. fuchsii)</i>	E1	.	.	.	+	.	+	.	.	+	.	1	+	+	.
<i>Chaerophyllum hirsutum</i>	E1	.	.	.	+	.	.	.	1	.	+	.	.	1	.
<i>Phyteuma ovatum</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.
<i>Veratrum album</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TG <i>Trifolio-Geranietea</i>															
<i>Campanula rapunculoides</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Vincetoxicum hirundinaria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Clinopodium vulgare</i>	E1	.	.	.	.	.	+	.	.	.	.	.	.	+	.
<i>Origanum vulgare</i>	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.
<i>Iris graminea</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Libanotis daucifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Peucedanum cervaria</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hypericum perforatum</i>	E1	.	.	.	+	+	.	.	.	.	.	.	.	.	.
<i>Achillea distans</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Verbascum lanatum</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.
<i>Silene nutans</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.
<i>Viola hirta</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.
<i>Verbascum lychnitis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Laserpitium siler</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Thalictrum minus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Laserpitium latifolium</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FB <i>Festuco-Brometea</i>															
<i>Buphthalmum salicifolium</i>	E1	+	1	.	+	.	1	+	1	+	1	.	1	+	+
<i>Cirsium erisithales</i>	E1	.	+	.	.	.	.	.	+	+	.	.	.	+	.
<i>Brachypodium rupestre</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Euphorbia cyparissias</i>	E1	+	.	.	+	1	.	.	.	.	.	.	.	.	.
<i>Peucedanum oreoselinum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carlina biebersteinii</i> subsp. <i>brevibracteata</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.
<i>Carex humilis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Thymus praecox</i>	E1	+	.	.	.	.	+	.	.	.	.	.	.	.	.
<i>Satureja montana</i> subsp. <i>variegata</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Medicago lupulina</i>	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
+	1	3
.	+	.	.	+	.	.	2	6
.	+	.	.	+	3	9	
1	+	+	3	9	
.	+	+	.	.	.	+	3	9	
.	.	+	+	.	.	+	.	.	3	9	
.	.	.	.	+	.	+	2	6		
.	.	.	.	+	1	3		
.	+	1	3	
.	1	3	
.	9	27	
.	.	1	.	.	.	.	.	.	+	1	.	.	+	.	.	.	8	24
.	2	6	
.	1	3	
.	+	1	3	
.	.	.	1	+	+	+	+	.	1	.	+	+	.	14	42
.	4	12	
.	1	3	
.	+	1	3	
.	+	.	+	+	+	.	.	.	+	+	1	1	.	9	27
.	+	.	.	+	+	.	+	.	.	+	.	5	15	
.	+	.	.	+	4	12	
.	+	1	.	.	.	.	.	.	+	.	4	12	
.	+	.	.	.	+	3	9	
.	.	.	.	+	+	r	.	3	9	
.	+	2	6	
.	2	6	
.	+	2	6	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	2	6	
+	1	1	.	1	1	1	1	2	1	1	.	1	1	.	1	.	.	24	73
+	.	.	+	.	.	.	+	+	1	+	.	+	+	.	1	+	.	14	42
+	2	1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	4	12
+	4	12	
+	1	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.	4	12
.	+	+	.	.	.	3	9	
.	+	.	.	1	.	.	.	.	.	+	.	.	3	9	
.	2	6	
.	+	2	6	
.	2	6	

Number of relevé (Zaporedna številka popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<i>Teucrium chamaedrys</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Dorycnium germanicum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Genista tinctoria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Plantago media</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Scabiosa triandra</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Teucrium montanum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Arabis hirsuta</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Koeleria pyramidata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Centaurea bracteata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Bromopsis erecta</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Galium verum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Centaurea fritschii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Centaurea triumfettii</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carlina simplex</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Linum catharticum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MA <i>Molinio-Arrhenatheretea</i>															
<i>Angelica sylvestris</i>	E1	.	+	.	+	.	.	+	.	.	+	.	.	.	.
<i>Centaurea carniolica</i>	E1	+	.	.	.	+	+	.	+	.	+	1	.	1	+
<i>Taraxacum sect. Taraxacum</i>	E1	.	.	.	+	+	+	.	+	.	r	.	.	+	.
<i>Lathyrus pratensis</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Deschampsia cespitosa</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.
<i>Caltha palustris</i>	E1	.	.	.	.	.	.	+	.	.	.	.	+	.	.
<i>Anthriscus sylvestris</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Cerastium holosteoides</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Knautia arvensis</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Plantago lanceolata</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Ranunculus acris</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
<i>Plantago major</i>	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.
<i>Prunella vulgaris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.
<i>Festuca rubra agg.</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.
<i>Vicia cracca</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Galium mollugo</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Crepis capillaris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ES <i>Elyno-Seslerietea</i>															
<i>Sesleria caerulea</i>	E1	4	.	+	.	1	1	+	.	+	+	+	.	+	+
<i>Betonica alopecuros</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.
<i>Carex mucronata</i>	E1	.	.	.	.	.	.	.	.	r	.	.	.	.	.
<i>Phyteuma orbiculare</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Selaginella helvetica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Globularia cordifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carduus crassifolius</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CD <i>Caricetalia davallianae</i>															
<i>Tofieldia calyculata</i>	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.
FC <i>Filipendulo-Convolvuletea</i>															
<i>Saponaria officinalis</i>	E1	.	.	.	r	.	.	.	.	.	.	.	.	.	.
AR <i>Agropyretea repens</i>															
<i>Tussilago farfara</i>	E1	.	.	+	+	.	+	.	.	.	+	.	+	+	.
<i>Equisetum arvense</i>	E1	.	.	.	.	.	.	.	+	.	.	.	+	.	.
<i>Poa angustifolia</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
.	.	.	.	1	1	2	6
.	.	.	.	+	1	2	6
.	.	.	.	+	+	2	6	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	.	.	r	+	+	+	.	.	+	9	27
.	+	.	.	.	9	27	
.	+	8	24	
.	.	.	+	2	6	
.	+	.	.	.	2	6	
.	2	6	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
.	1	3	
4	3	3	r	.	2	+	2	+	+	.	+	3	.	+	.	.	1	23	70
.	+	+	.	+	.	+	.	.	5	15		
.	+	.	.	+	.	+	.	.	3	9		
+	+	+	+	.	.	+	.	+	.	.	3	9		
.	+	+	.	.	+	.	+	.	.	1	3		
.	+	.	.	+	.	+	.	.	1	3		
.	+	.	.	+	.	+	.	.	1	3		
.	+	+	+	.	.	+	.	+	.	.	3	9		
.	+	.	.	+	.	+	.	.	1	3		
.	+	.	.	+	.	+	.	.	6	18		
.	+	.	.	+	.	+	.	.	2	6		
.	+	.	.	+	.	+	.	.	1	3		

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
GU	<i>Galio-Urticetea</i>															
	<i>Petasites hybridus</i>	E1	.	+	.	.	.	2	.	1	.	1	.	.	1	.
	<i>Parietaria officinalis</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Lapsana communis</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.
	<i>Geum urbanum</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.
SM	<i>Papaveretea rhoeidis (Stellarietea mediae)</i>															
	<i>Erigeron annuus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	.
	<i>Cardamine hirsuta</i>	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.
	<i>Conyza canadensis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SC	<i>Stipion calamagrostis</i>															
	<i>Achnatherum calamagrostis</i>	E1	+	.	+	+	1	1	1	+	.	1	1	1	1	1
	<i>Calamintha einseleana</i>	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.
	<i>Chamaenerion palustre</i>	E1	.	.	.	1	.	+	.	.	.	.	.	+	.	.
TR	<i>Ibladspieteae rotundifoliae</i>															
	<i>Hieracium bifidum</i>	E1	+	.	+	.	+	.	.	.	.	+	.	.	.	.
	<i>Gymnocarpium robertianum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Leontodon hispidus</i> subsp. <i>hyoseroides</i>	E1	.	.	1	1	.	+	.	.	.	.	.	.	.	+
	<i>Aquilegia einseleana</i>	E1	.	.	.	.	+	.	.	.	.	.	+	.	.	.
	<i>Adenostyles glabra</i>	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.
	<i>Silene vulgaris</i> subsp. <i>glareosa</i>	E1	.	.	.	+	.	.	.	.	.	.	+	.	.	.
	<i>Athamanta cretensis</i>	E1	.	.	.	.	+	.	.	.	.	.	.	+	.	.
	<i>Trisetum argenteum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Scrophularia canina</i>	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.
AP	<i>Astrantio-Paederotion</i>															
	<i>Valeriana tripteris</i>	E1	.	1	.	.	.	+	.	+	.	.	.	+	.	+
	<i>Aster bellidiastrum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Primula carniolica</i>	E1	.	1	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Carex brachystachys</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Asplenium viride</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Cystopteris fragilis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Saxifraga aizoides</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PcSp	<i>Physoplexido comosae-Saxifragion petraeae</i>															
	<i>Hieracium porrifolium</i>	E1	1	.	.	+	+	.	.	.	.	.	.	r	.	.
	<i>Campanula cespitosa</i>	E1	.	.	.	.	+	.	.	.	.	.	+	.	.	.
	<i>Athamanta turbith</i>	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.
	<i>Hieracium pospischalii</i>	E1	.	.	.	.	.	.	.	.	.	+	+	.	.	.
	<i>Paederota bonarota</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Saxifraga hostii</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Micromeria thymifolia</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Spiraea decumbens</i> subsp. <i>decumbens</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Paederota lutea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PC	<i>Potentilletelia caulescentis</i>															
	<i>Hieracium glaucum</i>	E1	1	.	.	.	+	.	.	.	.	+	.	+	.	.
	<i>Potentilla caulescens</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Saxifraga crustata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AT	<i>Asplenietea trichomanis</i>															
	<i>Asplenium trichomanes</i>	E1	.	.	+	+	.	.	.	.	.	+	+	.	.	.
	<i>Asplenium ruta-muraria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<i>Kernera saxatilis</i>	E1	.	.	+	+	.	.	.	.	.	.	.	.	.	.

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.	
.	+	+	7	21	
.	+	2	6	
.	1	3		
.	1	3		
.	r	3	9	
.	1	3		
.	+	1	3	
.	2	3	1	+	+	1	.	.	.	1	19	58
.	.	.	.	1	+	4	12	
.	3	9	
+	+	+	.	+	2	9	27	
.	+	.	+	.	.	+	+	+	+	.	.	.	+	6	18	
.	4	12		
.	+	.	+	4	12		
.	+	+	2	.	.	.	.	4	12		
.	2	6		
.	2	6		
.	+	1	2	6	
.	1	3		
.	+	+	.	.	.	7	21		
.	1	+	+	+	4	12	
+	2	6		
.	+	1	3		
.	r	.	.	.	.	.	.	1	3		
.	+	1	3		
.	r	1	3		
.	.	.	.	+	+	.	+	7	21		
.	+	+	+	6	18	
.	.	.	+	3	9		
.	.	.	+	3	9		
.	.	.	+	+	.	+	2	6		
.	.	.	+	1	3		
.	.	.	+	1	3		
.	.	.	+	+	1	3		
.	.	.	+	+	1	3	
.	4	12		
.	+	.	+	r	3	9	
.	1	3		
.	+	+	1	.	.	.	.	.	.	.	+	+	+	.	.	.	11	33
.	+	+	+	+	.	+	+	+	.	.	.	9	27		
.	+	+	r	.	.	.	.	.	.	3	9		

Number of relevé (Zaporedna številka popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<i>Polyodium vulgare</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Sedum album</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Moebringia muscosa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
ML Mosses and lichens (Mahovi in lišaji)															
<i>Ctenidium molluscum</i>	E0	1	.	.	.	.	+	+	1	2	.	.	+	+	+
<i>Tortella tortuosa</i>	E0	1	.	.	.	.	+	.	.	.	.	.	.	+	.
<i>Schistidium apocarpum</i>	E0	.	.	.	.	+	.	.	.	.	.	.	+	.	.
<i>Fissidens dubius</i>	E0	.	.	.	.	.	.	.	1	+	.	.	.	.	+
<i>Isothecium alopecuroides</i>	E0	.	.	.	.	.	.	.	1	1	.	.	.	.	.
<i>Homalothecium lutescens</i>	E0	.	.	.	.	+	.	.	.	.	.	.	.	.	.
<i>Exsertotheca crispa (Neckera crispa)</i>	E0	.	.	.	.	.	.	+	.	.	.	.	.	.	.
<i>Scleropodium purum</i>	E0	1	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hypnum cupressiforme</i>	E0	1	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhytidiodelphus triquetrus</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Euryhynchium angustirete</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Brachythecium rutabulum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Plagiomnium undulatum</i>	E0	.	.	.	.	.	.	.	.	.	.	+	.	.	.
<i>Conocephalum conicum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Marchantia polymorpha</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pseudanomodon attenuatus (Anomodon attenuatus)</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Palustriella commutata</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Euryhynchium striatum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Rhytidium rugosum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Thuidium recognitum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Thuidium tamariscinum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Alleniella complanata (Neckera complanata)</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Legend – Legenda

Gr Gravel – Prod

Rs Rockfall – Podorne skale

De Debris – Grušč

Con Conglomerate – Konglomerat

Co Colluvial-deluvial soil – Koluvialno-deluvialna tla

A Limestone – Apnenec

D Dolomite – Dolomit

L Marlstone – Laporovec

R Chert – Roženec

Flu Fluvisol – Obrečna tla

Li Lithosol – Kamnišče

Re Rendzina – Rendzina

Pr. Presence – Number of relevés in which the species is presented

Prezenca – Število popisov, v katerih se pojavlja vrsta

Fr. Frequency in % – Frequenca v %

Relevé 24 - Nomenclatural type (*holotypus*) – Popis 24 - Nomenklaturni tip (holotip)

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	Pr.	Fr.
.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	1	.	3	9
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	1	3
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	1	3
.	1	.	2	.	1	+	.	1	1	1	2	2	1	1	1	2	2	22	67
.	.	.	.	.	1	1	+	1	1	1	.	1	+	.	.	1	2	13	39
.	.	.	2	.	.	.	.	1	+	1	1	.	.	.	.	1	1	9	27
.	.	.	+	.	.	+	.	.	.	.	+	+	+	+	.	.	8	24	
.	.	.	+	+	1	.	.	.	.	+	.	.	.	.	+	+	.	8	24
.	.	.	1	1	1	.	.	+	.	+	.	.	.	.	.	+	.	7	21
.	1	.	+	.	.	1	.	.	.	.	.	.	.	.	+	+	1	7	21
.	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	9
.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	9	
2	1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	3	9	
2	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	2	.	3	9
.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	9
.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	2	6	
.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	2	6
.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	6	
.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	.	.	.	2	6
.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	2	6	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	
.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	
.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	3	
.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	3

Tabela 5: *Scopolio carniolicae-Ostryetum carpinifoliae*
Table 5: *Scopolio carniolicae-Ostryetum carpinifoliae*

Number of relevé (Zápoledna številka popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
Database number of relevé (Številka popisa v podatkovni bazi)																				
Altitude in m (Nadmorska višina v m)																				
Aspect (Legă)																				
Slope in degrees (Nagib v stopinjalah)																				
Parent material (Matična podlaga)																				
Soil type (Talni tip)																				
Stoniness in % (Kamnitost v %)																				
Cover in % (Zastiranje v %)																				
Tree layer (Drevesna plast)																				
Shrub layer (Grimovna plast)																				
Herb layer (Zelena plast)																				
Moss layer (Mahovna plast)																				
Maximum tree diameter (Maks.premer dreves)																				
Max. tree height (Maks. višina dreves)																				
Number of species (Število vrst)																				
Relevé area (Veličina popisne ploškve)																				
Date of taking relevé (Datum popisa)																				
Zakojška grapa	28.4.200																			
5114376	418738	9849/2	Zakojška grapa	28.4.200																
5104717	414699	9949/1	Stribník	4/20/2018																
5103378	410898	9949/1	Gaćnik	4/22/2019																
5104032	410314	9949/1	Gaćnik	4/26/2000																
5103946	410363	9949/1	Gaćnik	4/26/2000																
51041140	410276	9949/1	Gaćnik	4/2/2019																
5103922	410362	9949/1	Stribník	4/26/2000																
5104015	410353	9949/1	Gaćnik	4/26/2000																
5104818	414663	9949/1	Stribník	4/20/2018																
5103891	410727	9949/1	Stribník	4/2/2019																
5118367	421505	9749/4	Barava	4/29/2022																
5118398	421484	9749/4	Barava	4/29/2022																
5118316	421554	9749/4	Barava	4/29/2022																
5118283	421604	9749/4	Barava	5/13/2022																
5104295	414868	9949/1	Stribník-Sropnik	4/20/2018																
5118255	421591	9749/4	grapa	5/13/2022																
5118205																				
Locality (Nahajališče)																				
Quadrant (Srednjeevropski kvadrant)																				
Coordinates (Koordinate) GK X (D-48)																				
Coordinates (Koordinate) GK X (D-48)																				
m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	

	Number of relevé (Zaporedna številka popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
Diagnostic species of the association (Diagnostične vrste asociacije)																					
QP	<i>Ostrya carpinifolia</i>	3	4	4	3	3	2	3	3	3	4	4	3	4	4	2	4	3	18	100	
QP	<i>Ostrya carpinifolia</i>	.	.	+	1	.	+	.	.	.	.	.	.	.	.	.	.	.	3	17
QP	<i>Ostrya carpinifolia</i>	E2	1	.	.	.	+	1	1	.	.	.	.	.	.	.	.	.	7	39
AF	<i>Scoparia carnatica</i>	E1	2	4	3	2	2	+	+	1	1	+	3	3	2	4	3	3	1	18	
FS	<i>Galeobdolon flavidum</i>	E1	1	+	1	1	1	+	.	1	1	2	1	+	1	+	1	1	16		
TA	<i>Polystichum aculeatum</i>	E1	1	+	2	1	1	1	1	1	+	1	+	+	+	+	+	15	83		
AP	<i>Fissidens dubius</i>	E0	+	1	1	+	.	+	+	1	1	+	1	+	1	1	1	1	13		
TA	<i>Acer pseudoplatanus</i>	E3	+	+	r	+	.	2	r	1	.	1	1	+	1	+	3	3	10		
TA	<i>Acer pseudoplatanus</i>	E2	.	.	r	.	.	r	1	.	1	1	1	1	1	1	2	2	13		
TA	<i>Acer pseudoplatanus</i>	E1	+	+	+	+	1	+	1	1	1	1	1	1	1	1	2	2	72		
AF	<i>Lamium orvala</i>	E1	+	.	1	1	1	+	1	1	1	1	1	1	1	1	2	2	3	10	
MuA	<i>Senecio ovatus (S. fuchsii)</i>	E1	.	+	+	+	+	+	r	.	.	.	1	1	1	1	1	1	1	11	
TR	<i>Adenostyles glabra</i>	E1	1	+	2	+	1	.	1	+	.	.	.	.	.	.	.	.	2	10
AP	<i>Conocephalum conicum</i>	E0	+	+	.	+	1	1	1	1	1	1	1	1	1	1	1	1	1	56	
AF	<i>Cardamine trifolia</i>	E1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	
TA	<i>Euonymus latifolia</i>	E2b	+	.	.	r	.	+	1	1	1	1	1	1	1	1	1	1	1	50	
TA	<i>Acer platanoides</i>	E3	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	8		
TA	<i>Acer platanoides</i>	E2	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
TA	<i>Acer platanoides</i>	E1	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
TA	<i>Ulmus glabra</i>	E3	.	+	1	+	1	1	1	1	1	1	1	1	1	1	1	1	5		
TA	<i>Ulmus glabra</i>	E2	.	1	.	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
TA	<i>Ulmus glabra</i>	E1	.	.	+	.	1	1	1	1	1	1	1	1	1	1	1	1	2		
Differential species of the variants (Razlikovnice nižjih enot)																					
AF	<i>Anemone trifolia</i>	E1	1	+	1	1	1	+	1	1	+	1	1	1	1	1	1	1	10	56	
EP	<i>Carex alba</i>	E1	+	+	1	+	1	+	1	1	1	1	1	1	1	1	1	1	7	39	
AP	<i>Paeonia lutea</i>	E1	.	+	+	+	1	1	1	1	1	1	1	1	1	1	1	1	7	39	
VTP	<i>Oxalis acetosella</i>	E1	+	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	39	
PSP	<i>Phyteuma scheuchzeri subsp. columnae</i>	E1	.	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	33	
QF	<i>Veratrum nigrum</i>	E1	.	.	1	+	1	1	1	1	1	1	1	1	1	1	1	1	5	28	
EP	<i>Rhododendron hirsutum</i>	E2a	.	.	r	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22	
FS	<i>Fraxinus excelsior</i>	E3b	+	.	r	.	1	1	1	1	1	1	1	1	1	1	1	1	4	22	
FS	<i>Fraxinus excelsior</i>	E1	.	.	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	6	
FS	<i>Paris quadrifolia</i>	E1	+	+	1	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22	
AD	<i>Orthotrichum rufescens</i>	E0	.	.	1	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22	
AD	<i>Astrantia carnatica</i>	E1	.	.	r	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22	

Differential species of the variants (Razlikovnice nižjih enot)

AF	<i>Anemone trifolia</i>	E1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10
EP	<i>Carex alba</i>	E1	+	+	1	+	1	1	1	1	1	1	1	1	1	1	1	1	7	39
AP	<i>Paeonia lutea</i>	E1	.	+	+	+	1	1	1	1	1	1	1	1	1	1	1	1	7	39
VTP	<i>Oxalis acetosella</i>	E1	+	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	39
PSP	<i>Phyteuma scheuchzeri subsp. columnae</i>	E1	.	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	33
QF	<i>Veratrum nigrum</i>	E1	.	.	1	+	1	1	1	1	1	1	1	1	1	1	1	1	6	33
EP	<i>Rhododendron hirsutum</i>	E2a	.	.	r	+	1	1	1	1	1	1	1	1	1	1	1	1	5	28
FS	<i>Fraxinus excelsior</i>	E3b	+	.	r	.	1	1	1	1	1	1	1	1	1	1	1	1	4	22
FS	<i>Fraxinus excelsior</i>	E1	.	.	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	6
FS	<i>Paris quadrifolia</i>	E1	+	+	1	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22
AD	<i>Orthotrichum rufescens</i>	E0	.	.	1	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22
AD	<i>Astrantia carnatica</i>	E1	.	.	r	+	1	1	1	1	1	1	1	1	1	1	1	1	4	22

		Number of relevé (Zápoředna številká popisa)																Pr.	Fr.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
TA	<i>Geranium robertianum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8	44
VP	<i>Veronica urticifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	28
FS	<i>Cardamine bulbifera</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	22
QP	<i>Arabis turrita</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	22
PsSp	<i>Campanula carpatica</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
FS	<i>Petasites albus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
QP	<i>Queretellia pubescens-petraeae</i>	E3b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.
	<i>Fraxinus ornus</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	61
	<i>Fraxinus ornus</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	39
	<i>Fraxinus ornus</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	50
	<i>Fraxinus ornus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Corinus mas</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	33
	<i>Euonymus verrucosa</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	33
	<i>Euonymus verrucosa</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Sorbus aria (Aria edulis)</i>	E3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	28
	<i>Sorbus aria (Aria edulis)</i>	E2b	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	22
	<i>Sorbus aria (Aria edulis)</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Campanula rapunculoides</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
	<i>Tamus communis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Orchis mascula subsp. <i>speciosa</i></i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
TA	<i>Tilio-Acerion</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	28
	<i>Aruncus dioicus</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	28
	<i>Phyllitis scolopendrium</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
	<i>Tephrosia pseudocristata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
	<i>E3b</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>E2b</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	11
	<i>E1</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Tilia platyphyllos</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Tilia platyphyllos</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Dryopteris affinis</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	17
	<i>Tephrosia longifolia</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	11
	<i>Thalictrum aquilegifolium</i>	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Tilia cordata</i>	E3a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Tilia cordata</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Thamnochrysum alopecurum</i>	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Adoxa moschatellina</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Lunaria rediviva</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
	<i>Stellaria montana</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6

		Number of relevé (Zápoředna številká popisa)																Pr.	Fr.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
All	<i>Ahion incanae</i>																			1	6
	<i>Alnus incana</i>																			1	6
	<i>Viburnum opulus</i>																			1	6
	<i>Cardamine impatiens</i>																			1	6
	<i>Chrysophyllum alternifolium</i>																			1	6
AF	<i>Arenonto-Fagion</i>																			14	78
	<i>Cyclamen purpurascens</i>																			8	44
	<i>Omphalodes verna</i>																			7	39
	<i>Cardamine enneaphyllos</i>																			3	17
	<i>Rhamnus fallax</i>																			3	17
	<i>Euphorbia carniolica</i>																			3	17
	<i>Helleborus niger</i>																			3	17
	<i>Daphne laureola</i>																			2	11
	<i>Lathyrus vernus</i> subsp. <i>flaccidus</i>																			2	11
	<i>Knautia drymeia</i>																			1	6
EC	<i>Erythronio-Carpinetum</i>																			11	61
	<i>Primula vulgaris</i>																			1	6
	<i>Helleborus odorus</i>																			1	6
FS	<i>Fagetalia sylvaticae</i>																			+	+
	<i>Saxifraga glauca</i>																			1	89
	<i>Asarum europaeum</i> subsp. <i>caucasicum</i>																			15	83
	<i>Mercurialis perennis</i>																			1	78
	<i>Fagus sylvatica</i>																			2	72
	<i>Fagus sylvatica</i>																			1	5
	<i>Fagus sylvatica</i>																			3	17
	<i>Gaultheria laevigata</i>																			9	50
	<i>Symphytum tuberosum</i>																			7	39
	<i>Dryopteris filix-mas</i>																			7	39
	<i>Daphne mezereum</i>																			1	6
	<i>Actaea spicata</i>																			+	+
	<i>Mycelis muralis</i>																			1	7
	<i>Sambucus nigra</i>																			6	33
	<i>Sambucus nigra</i>																			6	33
	<i>Campanula trachelium</i>																			6	33
	<i>Lonicera alpigena</i>																			6	5
	<i>Lilium martagon</i>																			28	

	Number of relevé (Zápoředna številká popisa)															Pr.	Fr.			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
<i>Laburnum alpinum</i>	E3b	1	1	6
<i>Laburnum alpinum</i>	E2b	.	.	.	.	r	.	r	+	.	.	.	.	.	.	.	.	4	22
<i>Melica nutans</i>	E1	.	.	.	+	+	.	r	.	.	.	.	.	.	.	.	.	4	22
<i>Lathyrus vernus</i>	E1	.	.	.	r	.	.	+	.	1	.	.	.	.	.	.	.	3	17
<i>Prenanthes purpurea</i>	E1	.	.	.	+	.	.	r	.	.	.	.	.	.	.	.	.	3	17
<i>Pulmonaria officinalis</i>	E1	+	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	2	11
<i>Phyteuma spicatum</i> subsp. <i>coeruleum</i>	E1	.	+	.	+	.	.	+	.	.	.	.	.	.	.	.	.	2	11
<i>Viola reichenbachiana</i>	E1	.	+	.	+	.	.	+	.	.	.	.	.	.	.	.	.	2	11
<i>Euphorbia dulcis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	2	11
<i>Circara lutetiana</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	2	11
<i>Festuca altissima</i>	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	1	6
<i>Prunus avium</i>	E3a	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Prunus avium</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	1	6
<i>Cardamine pentaphyllos</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Epilobium montanum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
QR <i>Queretalia roboris</i>	Rubus hirtus	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	+	4	22
QR <i>Querco-Figetea</i>	Quercus petraea	E2a	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	11	61
	<i>Prerdium aquilinum</i>	E1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	6
		E1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	6
QF	<i>Querco-Figetea</i>	E1	+	.	.	.	.	1	+	.	r	.	.	.	.	.	.	11	61
	<i>Carex digitata</i>	E3a	.	+	.	.	.	+	.	1	.	.	.	.	.	.	.	1	6
	<i>Corylus avellana</i>	E2	2	.	+	2	1	+	.	+	+	.	+	1	.	.	+	9	50	
	<i>Corylus avellana</i>	E1	+	.	.	.	+	.	+	1	+	1	.	+	.	1	5	28		
	<i>Hepatica nobilis</i>	E1	1	.	.	+	.	.	.	.	.	.	.	1	.	.	.	4	22
	<i>Anemone nemorosa</i>	E3a	.	.	r	.	.	+	.	.	.	.	.	1	.	.	.	3	17
	<i>Hedera helix</i>	E1	.	+	r	.	+	.	.	.	.	.	.	1	.	.	.	5	28
	<i>Clematis vitalba</i>	E2	.	+	.	.	+	.	.	.	.	.	.	1	.	.	.	4	22
	<i>Lonicera xylosteum</i>	E2	r	.	+	.	+	.	.	.	.	.	.	1	.	.	.	3	17
	<i>Carex umbrosa</i>	E1	.	.	.	.	.	1	.	r	.	.	.	1	.	.	.	2	11
	<i>Viola riviniana</i>	E1	.	.	.	.	.	+	+	r	.	.	.	1	.	.	.	1	6
	<i>Taxus baccata</i>	E2b	r	.	.	.	.	.	.	.	.	.	.	1	.	.	.	2	11
	<i>Taxus baccata</i>	E1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	6
	<i>Acer campestre</i>	E3	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	3	17
	<i>Acer campestre</i>	E1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	6
	<i>Listera ovata</i>	E1	.	.	.	.	.	+	.	.	.	.	.	1	.	.	.	2	11
	<i>Aegopodium podagraria</i>	E1	.	.	.	.	.	+	.	.	.	.	.	1	.	.	.	1	6

		Number of relevé (Zápoředna številká popisa)																Fr.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.
EPP	<i>Erito-Pinetea</i>	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Lathraea squamaria</i>	E1	+	+	.	r	+	+	1	+	+	+	+	+	+	+	+	+	+	67
	<i>Calamagrostis varia</i>	E1	.	.	r	.	.	r	.	.	.	.	.	.	.	.	.	.	.	12
	<i>Peucedanum austriacum</i>	E1	.	.	.	.	.	+	2	.	.	.	.	.	.	.	.	.	.	11
	<i>Erica carnea</i>	E1	.	.	.	.	.	+	r	.	.	.	.	.	.	.	.	.	.	2
	<i>Molinia arundinacea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11
	<i>Polygonum chamaebuxus</i>	E1	.	.	.	.	.	+	r	.	.	.	.	.	.	.	.	.	.	11
	<i>Carex ornithopoda</i>	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	6
	<i>Pinus sylvestris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
VTP	<i>Vaccinio-Piceeta</i>	E1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
	<i>Solidago virgaurea</i>	E1	.	.	r	.	.	.	+	.	.	.	.	.	.	.	.	.	.	28
	<i>Saxifraga cuneifolia</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5
	<i>Clematis alpina</i>	E2a	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22
	<i>Hamogone sylvestris</i>	E1	+	+	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17
	<i>Picea abies</i>	E2	r	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	17
	<i>Gentianopsis asclepiadea</i>	E1	.	+	.	r	.	+	.	.	.	.	.	.	.	.	.	.	.	3
	<i>Aposeris foetida</i>	E1	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	17
	<i>Rosa pendulina</i>	E2a	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	11
	<i>Phragmites connectilis</i>	E1	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	11
	<i>Vaccinium myrtillus</i>	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Abies alba</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
SSC	<i>Sambuci-Salicion capreae</i>	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Salix caprea</i>	E2b	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
RP	<i>Rhamno-Prunetea</i>	E3a	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Crataegus monogyna</i>	E2b	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11
	<i>Crataegus monogyna</i>	E2a	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
	<i>Cornus sanguinea</i>	E3b	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Rhamnus catharticus</i>	E2b	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Viburnum lantana</i>	E2a	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	6
	<i>Juniperus communis</i>	E2a	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	6
	<i>Rosa canina</i>	E2a	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	6
BA	<i>Betulo-Alnetea</i>	E2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17
	<i>Salix appendiculata</i>	E2	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	3
MuA	<i>Mulgedio-Aconitetea</i>	E1	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	17
	<i>Athyrium filix-femina</i>	E1	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	3
	<i>Saxifraga rotundifolia</i>	E1	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	17
	<i>Viola biflora</i>	E1	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	11

	Number of relevé (Zápoředna številká popisa)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
<i>Veratrum album</i>	E1	.	.	.	+	.	1	2	11
<i>Aconitum degenii</i> subsp. <i>paniculatum</i>	E1	.	+	1	6
<i>Chaerophyllum hirsutum</i>	E1	+	.	.	1	6
EA																					
<i>Epilobietea angustifoliae</i>	E1	r	1	6
<i>Eupatorium cannabinum</i>	E1	1	6
<i>Urtica dioica</i>	E1	1	6
ES	<i>Elyno-Seslerietea</i>	E1	.	.	+	.	r	+	+	4	2	+	1	1	11	61
<i>Sesleria acerulea</i>	E1	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	2	11
<i>Carex fernaliae</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	6
<i>Phyteuma orbiculare</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	6
<i>Betonica alopecuros</i>	E1	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	1	6
FB	<i>Festuco-Brometea</i>	E1	.	.	+	.	r	+	+	+	+	r	.	.	.	+	.	.	11	61	
<i>Cirsium erisithales</i>	E1	+	.	.	.	.	+	+	+	+	+	r	.	.	.	+	.	.	4	22
<i>Buphthalmum salicifolium</i>	E1	.	.	.	.	.	+	+	+	+	+	r	.	.	.	+	.	.	1	6
<i>Carex humilis</i>	E1	.	.	.	.	.	+	+	+	+	+	r	.	.	.	+	.	.	1	6
MA	<i>Molinio-Arrhenatheretea</i>	E1	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Caltha palustris</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Centaura jacea</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
TR	<i>Thlaspietea rotundifolii</i>	E1	+	.	+	+	.	1	+	r	+	.	.	.	+	.	.	+	8	44	
<i>Gymnocarpium robertianum</i>	E1	.	.	.	+	+	.	1	+	+	.	.	.	1	+	.	.	.	8	44	
<i>Hieracium bifidum</i>	E1	.	.	.	+	+	.	.	+	.	.	.	.	.	1	+	.	.	5	28
AP	<i>Astrantio-Paedotetion</i>	E1	+	.	+	+	.	+	+	+	+	+	+	1	+	.	.	.	2	11	
<i>Valeriana tripteris</i>	E1	+	.	.	+	+	.	+	+	+	+	+	+	1	+	.	.	.	1	6	
<i>Asplenium viride</i>	E1	+	.	+	+	+	.	1	+	+	+	+	+	1	+	.	.	.	6	33	
<i>Cystopteris fragilis</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	+	.	.	.	5	28
<i>Pinguicula alpina</i>	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	+	.	.	.	2	11
<i>Aster bellidifolium</i>	E1	.	.	.	+	+	.	+	+	+	+	+	+	1	+	.	.	.	1	6	
<i>Palustriella commutata</i>	E0	.	.	.	+	+	.	+	+	+	+	+	+	1	+	.	.	.	1	6	
<i>Preissia quadrata</i>	E0	.	.	.	+	+	.	+	+	+	+	+	+	1	+	.	.	.	1	6	
<i>Carex brachystachys</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	.	1	6
PCSp	<i>Physoplexido comosae-Saxifragion petraeae</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Saxifraga hostii</i>	AT																		10	56	
AT	<i>Asplenietea trichomanis</i>	E1	.	+	.	+	.	+	.	.	.	.	.	.	+	1	1	+	.	.
<i>Asplenium trichomanes</i>	E1	+	+	.	+	+	+	+	+	+	+	+	+	1	+	.	.	1	.	.	
<i>Mohringia muscosa</i>	E1	+	+	.	+	+	+	+	+	+	+	+	+	1	+	.	.	6	33		
<i>Asplenium ruta-muraria</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	4	22	
<i>Polyodium vulgare</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	2	11	
<i>Ceterach javoreanum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	1	6	

	Number of relevé (Zápoředna številká popisa)																				
ML	Mosses and lichens (Mahovia in lisají)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Pr.	Fr.
<i>Ctenidium molluscum</i>	E0	1	2	1	2	2	+	1	1	2	1	2	1	1	+	+	2	.	15	83	
<i>Exsertotheca crispa</i> (<i>Neckera crispa</i>)	E0	+	1	2	2	1	1	1	1	2	2	2	1	+	13	72	
<i>Tortella tortuosa</i>	E0	.	+	1	.	+	+	1	.	6	33		
<i>Isothecium alopecuroides</i>	E0	1	.	+	1	+	.	.	1	.	6	33	
<i>Mnium thomsonii</i>	E0	.	.	.	+	+	+	+	5	28	
<i>Plagiachila porelloides</i>	E0	.	.	.	+	+	+	+	4	22		
<i>Polytrichum formosum</i>	E0	.	.	+	+	+	.	.	.	.	.	.	.	.	.	.	3	17
<i>Leucobryum glaucum</i>	E0	.	r	+	.	.	+	.	.	.	.	.	.	.	.	.	3	17
<i>Plagiomnium undulatum</i>	E0	.	+	+	.	.	.	.	.	.	.	.	.	.	2	.	3	17
<i>Bartramia pomiformis</i>	E0	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	2	11
<i>Encalypta streptocarpa</i>	E0	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	2	11
<i>Euryhynchium angustirete</i>	E0	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	2	11
<i>Hypnum cupressiforme</i>	E0	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	2	11
<i>Schistidium apocarpum</i>	E0	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	2	11
<i>Hylacomia delphus triquetrus</i> (<i>Rhytididium delphus triquetrus</i>)	E0	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	2	11
<i>Mnium marginatum</i>	E0	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Peltigera canina</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Eurynebium striatum</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Bryum capillare</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Hylocomium splendens</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Metzgeria fimbriata</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Rhizomnium punctatum</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Thuidium tamariscinum</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Cladonia sp.</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Plagiothecium sp.</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Scleropodium purum</i>	E0	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6
<i>Pseudanomodon attenuatus</i> (<i>Anomodon attenuatus</i>)	E0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6

Legend – Legenda

- De Debris – Grušč
- Rs Rockfall – Podorne skale
- A Limestone – Apnenec
- D Dolomite – Dolomit
- L Marlstone – Laporcev
- R Chert – Roženec
- Co Colluvial-deluvial soil – Kolvialno-deluvialna tla
- Li Lithosol – Kamnišče
- Re Rendzina – Rendzina
- Pr. Presence – Number of relevés in which the species is presented
- Prezrena – Število popisov, v katerih se pojavlja vrsta
- Fr. Frequency in % – Frequencia v %
- Relevé 25 - Nomenclatural type (*holotypus*) – Popis 25 - Nomenklturni tip (holotip)

Table 6: Synoptic table of associations *Fraxino orni-Ostryetum*, *Cytisantho-Ostryetum*, *Rhododendro hirsuti-Ostryetum*, *Erico-Ostryetum*, *Scopolio-Ostryetum* and *Peucedano verticillari-Ostryetum*

Table 6: Sintezna tabela asociacij *Fraxino orni-Ostryetum*, *Cytisantho-Ostryetum*, *Rhododendro hirsuti-Ostryetum*, *Erico-Ostryetum*, *Scopolio-Ostryetum* in *Peucedano verticillari-Ostryetum*

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12	
Number of relevés (Število popisov)	12	136	50	39	35	19	23	32	15	11	18	33	
Sign for syntaxa (Oznaka sintaksonov)	EOpC	EOtV	EOsg	EOrh	RO	OFO1	OFO2	OFO3	OFO-It	Cy-O-SI	ScO	PvO	
Differential species of the association <i>Fraxino orni-Ostryetum</i> s. lat. (Razlikovalne vrste)													
TR <i>Campanula cespitosa</i>	E1	67	27	80	54	23	11	17	31	27	27	.	18
AT <i>Primula auricula</i>	E1	67	5	4	5	9	16	35	34	.	18	.	.
TR <i>Hieracium porrifolium</i>	E1	42	8	58	10	3	11	26	13	7	9	.	21
EP <i>Asperula aristata</i>	E1	33	8	42	15	14	21	13	38	33	54	.	6
EP <i>Allium ericetorum</i>	E1	25	1	12	3	.	5	4	44	13	.	.	.
AT <i>Paederota lutea</i>	E1	25	1	34	33	17	.	4	50	.	.	39	.
ES <i>Betonica alopecuroides</i>	E1	17	13	28	23	34	47	43	88	20	91	6	15
AF <i>Rhamnus fallax</i>	E2	8	4	26	51	17	26	22	3	.	18	.	.
VP <i>Picea abies</i>	E3	.	11	.	18	40	.	9	9	33	.	.	15
VP <i>Picea abies</i>	E2	8	24	46	56	63	21	30	31	20	.	17	33
AF <i>Anemone trifolia</i>	E1	.	15	8	21	49	26	39	13	60	45	56	27
VP <i>Valeriana tripteris</i>	E1	.	4	24	51	51	.	35	13	13	.	39	21
BA <i>Salix glabra</i>	E2a	.	2	48	28	29	.	.	13	33	4	.	.
VP <i>Rosa pendulina</i>	E2a	.	.	.	.	83	11	22	19	.	.	11	.
BA <i>Salix appendiculata</i>	E2	.	.	.	.	74	.	13	28	20	.	17	76
FS <i>Laburnum alpinum</i>	E3	.	.	.	.	54	26	26	13	.	.	6	3
FS <i>Laburnum alpinum</i>	E2	.	.	.	.	29	16	43	19	.	4	22	9
FS <i>Laburnum alpinum</i>	E1	.	.	.	.	20	5	22	16	.	.	3	.
ES <i>Phyteuma orbiculare</i>	E1	.	.	.	.	31	21	39	34	7	4	6	9
AT <i>Campanula carucaea</i>	E1	.	.	.	.	11	47	74	6	.	.	17	.
EP <i>Galium purpureum</i>	E1	.	.	.	.	3	32	22	27	60	91	.	.
Differential species for the association <i>Scopolio-Ostryetum</i> (Razlikovalne vrste za asociacijo)													
AF <i>Scopolia carniolica</i>	E1	.	.	.	.	3	5	.	.	.	.	100	.
FS <i>Galeobdolon flavidum</i>	E1	.	.	.	.	9	21	.	.	7	.	89	33
TA <i>Polystichum aculeatum</i>	E1	.	.	.	.	29	5	4	3	.	.	83	36
TA <i>Acer pseudoplatanus</i>	E3	.	.	.	.	26	5	4	6	.	.	61	21
TA <i>Acer pseudoplatanus</i>	E2	.	.	.	.	29	.	9	16	.	.	39	48
TA <i>Acer pseudoplatanus</i>	E1	.	.	.	.	37	5	13	31	.	.	72	52
AF <i>Lamium orvala</i>	E1	.	.	.	.	.	11	.	.	.	.	67	24
MuA <i>Senecio ovatus (S. fuchsii)</i>	E1	.	.	.	.	29	.	9	.	.	.	61	42
AF <i>Cardamine trifolia</i>	E1	.	.	.	.	11	.	.	.	.	.	50	.
TA <i>Euonymus latifolia</i>	E2	.	.	.	.	9	.	17	.	13	.	44	.
TR <i>Adenostyles glabra</i>	E1	.	1	10	21	46	.	.	6	.	.	56	12
TA <i>Ulmus glabra</i>	E3a	.	.	.	.	3	5	.	.	.	.	28	9
TA <i>Ulmus glabra</i>	E2	.	.	.	.	3	5	.	.	.	.	28	36
TA <i>Acer platanoides</i>	E3a	.	.	.	.	.	5	4	.	.	.	28	.
TA <i>Acer platanoides</i>	E2	.	.	.	.	.	.	.	.	.	.	28	.
TA <i>Acer platanoides</i>	E1	.	.	.	.	3	5	4	.	.	.	17	3
Differential species for the association <i>Peucedano verticillari-Ostryetum</i> (Razlikovalne vrste za asociacijo)													
TR <i>Petasites paradoxus</i>	E1	.	7	58	44	3	5	.	3	7	4	.	88
TR <i>Peucedanum verticillare</i>	E1	.	.	.	.	.	.	.	.	.	.	.	55

		Successive number (Zaporedna številka)												
		1	2	3	4	5	6	7	8	9	10	11	12	
GU	<i>Rubus caesius</i>	E2a	.	.	.	.	5	4	.	.	.	.	55
FS	<i>Fraxinus excelsior</i>	E3	.	.	.	.	5	.	.	.	.	22	9
FS	<i>Fraxinus excelsior</i>	E2	.	.	.	.	.	.	.	.	.	.	27
FS	<i>Fraxinus excelsior</i>	E1	.	.	.	.	.	.	.	.	.	6	33
AI	<i>Knautia drymeia</i> subsp. <i>intremedia</i>	E1	.	.	.	.	.	.	.	.	.	.	52
SP	<i>Salix eleagnos</i>	E3	.	.	.	.	.	.	.	.	.	.	24
SP	<i>Salix eleagnos</i>	E2	.	.	.	.	.	.	.	.	.	.	39
SP	<i>Salix eleagnos</i>	E1	.	.	.	.	.	.	.	.	.	.	3
SP	<i>Salic purpurea</i>	E2	.	.	.	.	.	.	.	.	.	.	15
AI	<i>Alnus incana</i>	E3	.	.	.	.	.	.	.	.	.	6	18
AI	<i>Alnus incana</i>	E2	.	.	.	.	.	.	.	.	.	.	33
GU	<i>Petasites hybridus</i>	E1	.	.	.	.	.	.	.	.	.	.	21
FO	<i>Fraxino orni-Ostryion</i>													
	<i>Ostrya carpinifolia</i>	E3	100	98	96	100	100	100	100	100	100	100	100	52
	<i>Ostrya carpinifolia</i>	E2	33	8	48	26	83	63	56	88	47	45	39	91
	<i>Fraxinus ornus</i>	E3	8	67	42	54	74	79	96	91	73	100	72	45
	<i>Fraxinus ornus</i>	E2	50	58	66	67	86	100	100	94	73	45	50	85
	<i>Euonymus verrucosa</i>	E2	17	32	78	19	.	18	33	.
	<i>Primula veris</i> subsp. <i>columnae</i>	E1	3	26	39	3
	<i>Primula x ternoviana</i>	E1	.	.	.	.	.	5	.	.	.	.	.
	<i>Peucedanum schottii</i>	E1	.	.	.	.	.	26	22	.	.	36	.
CO	<i>Carpinion orientalis</i>													
	<i>Mercurialis ovata</i>	E1	.	.	.	.	9	5	4	72	20	.	.
	<i>Asparagus tenuifolius</i>	E1	.	.	.	.	3	16	4	16	.	.	.
	<i>Sesleria autumnalis</i>	E1	.	.	.	.	3	16	4	.	.	.	.
	<i>Ruscus aculeatus</i>	E2a	.	.	.	.	.	11	.	.	.	.	.
	<i>Knautia drymeia</i> subsp. <i>tergestina</i>	E1	.	.	.	.	.	5	.	.	.	.	.
	<i>Frangula rupestris</i>	E2	.	.	.	.	.	.	4	.	.	.	.
	<i>Coronilla emerooides</i>	E2a	.	.	.	.	.	.	4	.	40	.	.
	<i>Mercurialis x paxii</i>	E1	.	.	.	.	.	.	.	3	.	.	.
	<i>Aristolochia lutea</i>	E1	.	.	.	.	.	.	.	3	.	.	.
QP	<i>Quercetalia pubescenti-petraeae</i>													
	<i>Sorbus aria</i>	E3b	17	32	14	67	74	63	78	66	40	64	28	6
	<i>Sorbus aria</i>	E2b	.	34	16	49	74	84	87	88	47	45	22	15
	<i>Melittis melissophyllum</i>	E1	.	17	2	.	20	68	74	47	13	82	.	15
	<i>Convallaria majalis</i>	E1	.	10	8	21	23	32	30	44	.	19	.	.
	<i>Campanula persicifolia</i>	E1	.	7	.	.	26	4	.	7	.	.	.	
	<i>Clematis recta</i>	E1	.	7	.	.	5	13	9	47	27	.	6	
	<i>Quercus pubescens</i>	E3b	.	5	.	.	11	4	9	53	.	.	.	
	<i>Quercus pubescens</i>	E2a	.	4	.	.	5	.	3	40	.	.	.	
	<i>Lathyrus niger</i>	E1	.	2	.	.	.	.	.	.	.	.	.
	<i>Laburnum anagyroides</i>	E2	.	1	.	.	.	.	.	.	.	.	3
	<i>Carex flacca</i>	E1	9	21	.	31	20	9	.	30
	<i>Cornus mas</i>	E2	9	47	35	16	20	.	33	18
	<i>Hypericum montanum</i>	E1	9	47	30	.	7	9	.	.
	<i>Sorbus austriaca</i> s. lat.	E3b	.	.	.	.	6	.	.	.	.	.	.
	<i>Sorbus austriaca</i> s. lat.	E2b	.	.	.	.	6	.	.	3	.	.	.
	<i>Arabis turrita</i>	E1	3	42	43	.	7	18	22	6
	<i>Cotinus coggygria</i>	E2	3	.	.	44	.	100	.	.
	<i>Epipactis muelleri</i>	E1	.	.	.	.	3	.	.	6	.	.	.
	<i>Tamus communis</i>	E1	.	.	.	.	26	9	.	.	.	6	.

	Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12
	<i>Calamintha sylvatica</i>	E1	.	.	.	.	.	11	4	.	.	.	3
	<i>Buglossoides purpurocaerulea</i>	E1	.	.	.	.	.	5	.	3	.	.	.
	<i>Coronilla emerus</i> subsp. <i>emerus</i>	E2	.	.	.	.	.	5	4	.	.	.	.
	<i>Orchis mascula</i> subsp. <i>speciosa</i>	E1	.	.	.	.	.	5	.	3	.	.	6
	<i>Tanacetum corymbosum</i>	E1	.	.	.	.	.	5	9	.	.	.	.
	<i>Viola alba</i> subsp. <i>scotophylla</i>	E1	.	.	.	.	.	.	4	3	.	.	.
	<i>Prunus mahaleb</i>	E2	.	.	.	.	.	.	.	.	7	.	.
	<i>Cephalanthera rubra</i>	E1	.	.	.	.	.	.	.	.	.	9	.
QR	<i>Quercetalia roboris</i>												
	<i>Melampyrum pratense</i>	E1	.	15	2	10	.	5	4	.	47	.	.
	<i>Chamaecytisus supinus</i>	E1	.	10	2	.	.	.	.	.	.	.	.
	<i>Quercus robur</i>	E3	.	1	.	.	.	.	3	.	.	.	3
	<i>Quercus robur</i>	E1	.	7	.	.	3	5	.	9	.	.	3
	<i>Quercus petraea</i>	E3	.	4	.	.	.	26	9	.	.	9	.
	<i>Quercus petraea</i>	E1	.	3	.	.	9	26	22	16	7	.	6
	<i>Genista sagittalis</i>	E1	.	3	.	.	.	.	.	.	.	.	.
	<i>Pteridium aquilinum</i>	E1	.	.	.	.	14	11	4	31	.	.	6
	<i>Potentilla erecta</i>	E1	.	.	.	.	11	.	.	13	33	.	9
	<i>Betula pendula</i>	E3	.	.	.	.	9	.	.	.	.	.	.
	<i>Frangula alnus</i>	E2	.	.	.	.	9	16	.	28	33	.	12
	<i>Serratula tinctoria</i>	E1	.	.	.	.	9	5	.	19	20	.	.
	<i>Populus tremula</i>	E3b	.	.	.	.	6	.	3	.	9	.	.
	<i>Populus tremula</i>	E2a	.	.	.	.	6	.	4	6	.	.	.
	<i>Rubus hirtus</i>	E2a	.	.	.	.	6	.	4	.	.	22	6
	<i>Betonica officinalis</i>	E1	.	.	.	.	3	11	4	3	.	.	.
	<i>Populus tremula</i>	E2b	.	.	.	.	3	.	.	6	.	.	3
	<i>Phyteuma zahlbryckneri</i>	E1	.	.	.	.	.	11	9	.	.	9	.
	<i>Lembotropis nigricans</i>	E2a	.	.	.	.	.	11	13	3	20	.	.
	<i>Castanea sativa</i>	E1	.	.	.	.	.	4	.	7	.	.	3
	<i>Genista germanica</i>	E1	.	.	.	.	.	.	.	27	.	.	.
	<i>Hieracium racemosum</i>	E1	.	.	.	.	.	.	.	.	.	.	3
	<i>Melampyrum pratense</i>	E1	.	.	.	.	.	.	.	.	.	.	3
AI	<i>Alnion incanae</i>												
	<i>Cardamine impatiens</i>	E1	.	.	.	.	.	.	.	.	.	6	3
	<i>Alnus glutinosa</i>	E3	.	.	.	.	.	.	.	.	.	.	9
	<i>Alnus glutinosa</i>	E2	.	.	.	.	.	.	.	.	.	.	9
	<i>Asperula taurina</i>	E1	.	.	.	.	.	.	.	.	.	.	6
	<i>Equisetum arvense</i>	E1	.	.	.	.	.	.	.	.	.	.	6
	<i>Festuca gigantea</i>	E1	.	.	.	.	.	.	.	.	.	.	3
	<i>Vitis sylvestris</i>	E1	.	.	.	.	.	.	.	.	.	.	3
	<i>Populus nigra</i>	E2	.	.	.	.	.	.	.	.	.	.	3
	<i>Salix alba</i>	E2	.	.	.	.	.	.	.	.	.	.	3
TA	<i>Tilio-Acerion</i>												
	<i>Aruncus dioicus</i>	E1	.	.	.	.	23	.	3	.	.	28	27
	<i>Juglans regia</i>	E2	.	.	.	.	6	5	4	6	.	.	3
	<i>Polystichum setiferum</i>	E1	.	.	.	.	3	.	.	.	.	.	6
	<i>Thalictrum aquilegiifolium</i>	E1	.	.	.	.	3	.	.	3	.	4	6
	<i>Tilia platyphyllos</i>	E3	.	.	.	.	.	16	13	.	.	.	17
	<i>Tilia platyphyllos</i>	E2	.	.	.	.	.	22	6	.	.	11	6
	<i>Geranium robertianum</i>	E1	.	.	.	.	5	9	.	.	.	44	30
	<i>Phyllitis scolopendrium</i>	E1	.	.	.	.	5	.	.	.	.	28	27

Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	
	<i>Tephroseris pseudocrispa</i>	E1	.	.	.	.	.	4	.	.	.	17	3	
	<i>Dryopteris affinis</i>	E1	.	.	.	.	.	.	.	.	.	17	18	
	<i>Tephroseris longifolia</i>	E1	.	.	.	.	.	.	.	.	.	11	3	
	<i>Thamnobryum alpeocurum</i>	E1	.	.	.	.	.	.	.	.	.	6	.	
	<i>Adoxa moschatellina</i>	E1	.	.	.	.	.	.	.	.	.	6	.	
	<i>Lunaria rediviva</i>	E1	.	.	.	.	.	.	.	.	.	6	.	
	<i>Stellaria montana</i>	E1	.	.	.	.	.	.	.	.	.	6	.	
	<i>Chrysosplenium alternifolium</i>											6		
	<i>Polystichum x illyricum</i>	E1										12		
	<i>Polystichum braunii</i>	E1										9		
AF	<i>Aremonio-Fagion</i>													
	<i>Cyclamen purpurascens</i>	E1	25	52	46	67	94	84	91	88	93	91	78	45
	<i>Helleborus niger</i>	E1	8	7	10	10	17	5	.	44	.	100	17	6
	<i>Rhamnus fallax</i>	E2	8	4	26	51	17	26	22	3	.	18	17	3
	<i>Omphalodes verna</i>	E1	.	.	.	.	37	11	.	34	.	.	44	24
	<i>Cardamine enneaphyllos</i>	E1	.	.	.	.	34	5	4	9	.	.	39	3
	<i>Euphorbia carniolica</i>	E1	.	.	.	.	23	.	.	13	.	.	17	9
	<i>Knautia drymeia</i>	E1	.	.	.	.	20	16	4	16	.	.	6	15
	<i>Hemerocallis lilioasphodelus</i>	E1	.	.	.	.	17	.	.	.	.	.	6	
	<i>Potentilla carniolica</i>	E1	.	.	.	.	9	.	.	19	.	.	.	3
	<i>Daphne blagayana</i>	E1	.	.	.	.	6	.	.	.	.	.	.
	<i>Epimedium alpinum</i>	E1	.	.	.	.	.	5	4	.	.	.	.
	<i>Daphne laureola</i>	E2a	.	.	.	.	.	.	4	.	.	.	11	.
	<i>Hacquetia epipactis</i>	E1	.	.	.	.	.	.	.	.	.	.	3	
	<i>Anemone x pittonii</i>	E1	.	.	.	.	.	.	.	.	.	.	6	
EC	<i>Erythronio-Carpinion</i>													
	<i>Primula vulgaris</i>	E1	.	.	.	.	14	42	35	22	.	54	61	18
	<i>Helleborus odorus</i>	E1	.	.	.	.	.	16	9	.	.	.	6	12
	<i>Galanthus nivalis</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
FS	<i>Fagetalia sylvaticae</i>													
	<i>Fagus sylvatica</i>	E3	.	18	4	8	60	26	22	22	20	4	72	15
	<i>Fagus sylvatica</i>	E2	8	13	8	13	51	16	17	38	13	.	28	64
	<i>Mercurialis perennis</i>	E1	8	10	2	26	60	21	39	9	.	18	78	30
	<i>Salvia glutinosa</i>	E1	.	26	22	8	37	37	57	19	.	27	89	73
	<i>Melica nutans</i>	E1	.	11	8	8	43	16	13	18	7	9	22	9
	<i>Campanula trachelium</i>	E1	.	9	.	3	.	42	4	3	.	4	.	18
	<i>Mycelis muralis</i>	E1	.	6	2	.	11	16	22	3	.	.	39	21
	<i>Poa nemoralis</i>	E1	.	2	.	.	11	.	.	.	.	.	.	.
	<i>Carpinus betulus</i>	E3	.	1	.	.	.	21	.	.	.	18	.	12
	<i>Carpinus betulus</i>	E2a	.	.	.	.	.	11	.	.	.	9	.	24
	<i>Tilia cordata</i>	E3	.	.	.	.	.	.	.	.	.	.	6	12
	<i>Tilia cordata</i>	E2	.	.	.	.	.	.	.	.	.	.	6	24
	<i>Tilia cordata</i>	E1	.	1	.	.	3	5	4	.	.	.	.	3
	<i>Galium laevigatum</i>	E1	.	.	.	.	74	58	74	6	33	4	50	79
	<i>Daphne mezereum</i>	E2a	.	.	.	.	69	16	35	6	.	4	44	45
	<i>Lonicera alpigena</i>	E2	.	.	.	.	31	11	17	13	.	.	33	3
	<i>Lathyrus vernus</i> subsp. <i>vernus</i>	E1	.	.	.	.	23	16	22	6	.	.	17	21
	<i>Epipactis helleborine</i>	E1	.	.	.	.	20	21	9	19	.	18	.	9
	<i>Lathyrus vernus</i> subsp. <i>flaccidus</i>	E1	.	.	.	.	14	5	.	.	.	.	11	12
	<i>Neottia nidus-avis</i>	E1	.	.	.	.	9	21	13	6	.	.	.	.
	<i>Prenanthes purpurea</i>	E1	.	.	.	.	9	5	4	3	.	.	17	.

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12	
<i>Sympyton tuberosum</i>	E1	.	.	.	9	21	.	.	.	.	50	9
<i>Viola reichenbachiana</i>	E1	.	.	.	9	16	30	9	13	36	.	9	
<i>Asarum europaeum</i> subsp. <i>caucasicum</i>	E1	.	.	.	6	26	30	3	.	.	83	52	
<i>Brachypodium sylvaticum</i>	E1	.	.	.	6	21	.	.	.	9	.	52	
<i>Euphorbia amygdaloides</i>	E1	.	.	.	6	26	9	.	.	.	.	3
<i>Lilium martagon</i>	E1	.	.	.	6	16	9	3	.	.	28	.	
<i>Phyteuma spicatum</i> subsp. <i>coeruleum</i>	E1	.	.	.	6	.	.	.	.	.	11	.
<i>Actaea spicata</i>	E1	.	.	.	3	.	.	.	.	.	39	.
<i>Dryopteris filix-mas</i>	E1	.	.	.	3	21	9	.	7	.	50	33	
<i>Heracleum sphondylium</i>	E1	.	.	.	3	5	.	.	.	4	.	6	
<i>Luzula nivea</i>	E1	.	.	.	3	26	30	.	7	.	.	.	
<i>Paris quadrifolia</i>	E1	.	.	.	3	.	.	.	.	.	22	.
<i>Polygonatum multiflorum</i>	E1	.	.	.	3	.	.	.	.	.	.	3
<i>Pulmonaria officinalis</i>	E1	.	.	.	3	11	.	.	.	.	11	15
<i>Myosotis sylvatica</i>	E1	.	.	.	.	11	.	.	.	.	.	3
<i>Scrophularia nodosa</i>	E1	.	.	.	.	11	.	.	.	.	.	12
<i>Cardamine bulbifera</i>	E1	.	.	.	.	5	.	.	.	.	22	.
<i>Cephalanthera damasonium</i>	E1	.	.	.	.	5	.	.	.	.	.	3
<i>Epilobium montanum</i>	E1	.	.	.	.	5	.	.	.	.	6	.
<i>Prunus avium</i>	E3	.	.	.	.	.	.	.	.	.	6	.
<i>Prunus avium</i>	E2a	.	.	.	.	5	.	3	.	.	.	3
<i>Prunus avium</i>	E1	.	.	.	.	.	.	.	.	.	6	.
<i>Euphorbia dulcis</i>	E1	.	.	.	.	.	.	.	.	.	11	6
<i>Sambucus nigra</i>	E2	.	.	.	.	.	.	.	.	.	39	15
<i>Circaeaa lutetiana</i>	E1	.	.	.	.	.	.	.	.	.	11	.
<i>Petasites albus</i>	E1	.	.	.	.	.	.	.	.	.	6	18
<i>Cardamine pentaphyllos</i>	E1	.	.	.	.	.	.	.	.	.	6	.
<i>Festuca altissima</i>	E1	.	.	.	.	.	.	.	.	.	6	.
<i>Sanicula europaea</i>	E1	.	.	.	.	.	.	.	.	.	3	.
<i>Leucojum vernum</i>	E1	.	.	.	.	.	.	.	.	.	3	.
<i>Ranunculus lanuginosus</i>	E1	.	.	.	.	.	.	.	.	.	3	.
QF Querco-Fagetea	E1	.	10	22	15	71	47	78	44	13	54	61	61
<i>Carex digitata</i>	E3	6	15
<i>Corylus avellana</i>	E2	.	8	2	3	46	53	9	13	60	64	61	61
<i>Corylus avellana</i>	E1	3
<i>Cruciata glabra</i>	E1	.	7	.	.	.	5	4	.	40	18	.	.
<i>Hepatica nobilis</i>	E1	.	7	.	15	51	26	87	22	40	36	50	6
<i>Cephalanthera longifolia</i>	E1	.	5	.	.	6	32	9	9	7	.	.	.
<i>Lonicera xylosteum</i>	E2	.	5	.	5	11	26	39	3	7	4	22	12
<i>Festuca heterophylla</i>	E1	.	2	.	.	3	21	4
<i>Spiraea chamaedryfolia</i>	E2a	20	.	4
<i>Veratrum nigrum</i>	E1	17	21	26	9	.	.	33	15
<i>Viscum album</i> s. lat.	E3a	9	.	.	6
<i>Ilex aquifolium</i>	E2b	6
<i>Rosa arvensis</i>	E2a	6	16	13	3	.	.	3	.
<i>Vinca minor</i>	E1	6	37	17	3	20	.	.	30
<i>Aegopodium podagraria</i>	E1	3	6	9	.
<i>Carex umbrosa</i>	E1	3	17	.	.
<i>Clematis vitalba</i>	E3	21	.
<i>Clematis vitalba</i>	E2	3	21	4	3	27	18	22	76

Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12
<i>Hedera helix</i>	E3a	.	.	.	.	.	11	.	.	.	.	6	61
<i>Hedera helix</i>	E2	.	.	.	.	3	11	17	.	13	.	28	55
<i>Platanthera bifolia</i>	E1	.	.	.	.	3	.	9	6	7	.	.	.
<i>Viola mirabilis</i>	E1	.	.	.	.	3	.	.	.	.	.	.	.
<i>Viola riviniana</i>	E1	.	.	.	.	.	16	22	3	.	.	17	18
<i>Acer campestre</i>	E3a	.	.	.	.	.	11	.	.	.	.	17	3
<i>Acer campestre</i>	E2b	.	.	.	.	.	5	.	.	.	.	6	27
<i>Acer campestre</i>	E1											.	15
<i>Listera ovata</i>	E1	.	.	.	.	.	11	.	3	.	.	11	3
<i>Pyrus pyraster</i>	E3a	.	.	.	.	.	5	.	3	.	.	.	.
<i>Pyrus pyraster</i>	E2a	.	.	.	.	.	11	4	.	.	.	.	.
<i>Carex montana</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
<i>Taxus baccata</i>	E3	.	.	.	.	.	5	4	.	.	.	11	.
<i>Taxus baccata</i>	E2	.	.	.	.	.	5	13	.	7	.	6	.
<i>Staphylea pinnata</i>	E2b	.	.	.	.	.	.	4	.	.	.	.	.
<i>Malus sylvestris</i>	E2	.	.	.	.	.	.	.	.	7	.	.	.
<i>Anemone nemorosa</i>	E1	.	.	.	.	.	.	.	.	.	.	28	3
<i>Lathraea squamaria</i>	E1	.	.	.	.	.	.	.	.	.	.	6	.
<i>Cerastium sylvaticum</i>	E1	.	.	.	.	.	.	.	.	.	.	.	3
<i>Ficaria verna</i>	E1	.	.	.	.	.	.	.	.	.	.	.	3
EP <i>Erico-Pinetea</i>													
<i>Calamagrostis varia</i>	E1	50	56	66	72	91	53	83	75	73	91	67	88
<i>Erica carnea</i>	E1	33	58	64	87	91	26	57	97	93	64	11	15
<i>Polygala chamaebuxus</i>	E1	33	65	36	51	60	37	70	88	67	64	6	12
<i>Amelanchier ovalis</i>	E2	25	34	20	39	37	32	22	97	100	100	.	.
<i>Buphthalmum salicifolium</i>	E1	25	59	50	46	54	84	83	63	47	91	22	73
<i>Epipactis atrorubens</i>	E1	8	24	20	13	9	26	13	9	73	.	.	.
<i>Pinus nigra</i>	E3	.	10	6	5	9	.	.	6	27	.	.	3
<i>Pinus nigra</i>	E2	8	4	2	5	9	.	.	6	20	.	.	6
<i>Pinus sylvestris</i>	E3	.	34	28	23	11	.	4	6	40	.	.	.
<i>Pinus sylvestris</i>	E2	8	11	36	18	6	.	.	9	.	.	6	3
<i>Cotoneaster tomentosus</i>	E2	.	22	4	15	9	11	13	27	47	82	.	.
<i>Cirsium erisithales</i>	E1	.	14	44	51	74	37	35	31	7	4	61	42
<i>Rubus saxatilis</i>	E1	.	12	12	44	60	11	17	31	13	9	.	3
<i>Chamaecytisus hirsutus</i>	E1	.	7	2	.	11	26	35	63	27	9	.	6
<i>Euphrasia cuspidata</i>	E1	.	4	50	15	.	.	.	6	7	9	.	.
<i>Pinus mugo</i>	E2b	.	2	12	23	3	.	.	.	.	.	.	.
<i>Rhododendron hirsutum</i>	E2a	.	.	16	64	100	.	9	50	.	.	28	.
<i>Carex alba</i>	E1	.	.	.	.	63	26	22	67	4	39	27	.
<i>Molinia caerulea</i> subsp. <i>arundinacea</i>	E1	.	.	.	.	31	16	4	47	53	18	11	64
<i>Carex ornithopoda</i>	E1	.	.	.	.	23	16	26	24	.	.	6	15
<i>Peucedanum austriacum</i> s. lat.	E1	.	.	.	.	23	21	57	3	.	27	11	.
<i>Aquilegia nigricans</i>	E1	.	.	.	.	17	5	13	6	.	4	.	9
<i>Rhodothamnus chamaecistus</i>	E1	.	.	.	.	17	.	4	16	.	.	.	.
<i>Genista radiata</i>	E2a	.	.	.	.	6	5	17	16	20	100	.	6
<i>Aster amellus</i>	E1	.	.	.	.	3	26	35	19	7	36	.	3
<i>Chamaecytisus purpureus</i>	E1	.	.	.	.	3	.	4	22	.	18	.	3
<i>Gymnadenia odoratissima</i>	E1	.	.	.	.	3	.	.	.	.	.	.	.
<i>Rhamnus saxatilis</i>	E2a	.	.	.	.	3	11	.	24	67	100	.	.
<i>Leontodon incanus</i>	E1	.	.	.	.	11	9	38	13	27	.	.	.
<i>Crepis slovenica</i>	E1	.	.	.	.	5	.	3	7	.	.	.	.

	Successive number (Zaporedna številka)												
	1	2	3	4	5	6	7	8	9	10	11	12	
	E1	.	.	.	.	.	.	16	.	.	.	.
	E1	.	.	.	.	.	.	.	20	.	.	.	
	E2a	.	.	.	.	.	.	.	7	.	.	.	
	E1	.	.	.	.	.	.	.	7	.	.	.	
	E1	.	.	.	.	.	.	.	7	18	.	.	
	E1	.	.	.	.	.	.	.	7	.	.	3	
VP	Vaccinio-Piceetea												
	Hieracium murorum	E1	.	13	14	13	46	32	48	25	13	.	.
	Solidago virgaurea	E1	.	.	.	.	49	21	39	9	7	9	44
	Homogyne sylvestris	E1	.	.	.	.	37	.	17	.	.	.	17
	Gentiana asclepiadea	E1	.	.	.	.	23	.	.	.	.	.	17
	Veronica urticifolia	E1	.	.	.	.	20	11	30	.	.	.	28
	Larix decidua	E3	.	.	.	.	17	.	4	.	7	.	.
	Clematis alpina	E2a	.	.	.	.	14	11	13	.	.	36	22
	Laserpitium krapfii	E1	.	.	.	.	14	.	.	.	.	.	.
	Aposeris foetida	E1	.	.	.	.	11	.	.	.	.	.	11
	Abies alba	E3b	.	.	.	.	9	.	.	.	.	.	.
	Abies alba	E2	.	.	.	.	6	5	.	.	.	.	6
	Maianthemum bifolium	E1	.	.	.	.	6	.	.	.	.	.	.
	Oxalis acetosella	E1	.	.	.	.	6	.	.	.	.	.	39
	Calamagrostis arundinacea	E1	.	.	.	.	3	.	.	.	.	.	.
	Dryopteris dilatata	E1	.	.	.	.	3	.	.	.	.	.	.
	Gymnocarpium dryopteris	E1	.	.	.	.	3	.	.	.	.	.	.
	Lonicera nigra	E1	.	.	.	.	3	.	.	3	.	.	.
	Polystichum lonchitis	E1	.	.	.	.	3	.	.	.	.	.	.
	Polystichum x illyricum	E1	.	.	.	.	3	.	.	.	.	.	.
	Vaccinium myrtillus	E1	.	.	.	.	3	.	.	.	.	.	6
	Saxifraga cuneifolia	E1	.	.	.	.	5	22	.	.	.	.	28
	Huperzia selago	E1	.	.	.	.	.	4	.	.	.	.	.
	Phegopteris connectilis	E1	.	.	.	.	.	.	.	.	.	.	6
SSC	Sambuco-Salicion capreae												
	Sorbus aucuparia	E3a	.	.	.	.	9	.	.	3	.	.	.
	Sorbus aucuparia	E2a	.	.	.	.	43	.	22	6	13	.	.
	Salix caprea	E2	.	.	.	.	.	.	.	.	.	6	9
RP	Rhamno-Prunetea												
	Berberis vulgaris	E2a	.	15	4	5	14	5	4	18	53	64	.
	Viburnum lantana	E2	.	13	.	5	6	11	22	19	53	9	6
	Rhamnus catharticus	E2b	.	9	2	.	9	37	35	56	13	45	6
	Crataegus monogyna	E3	.	.	.	.	.	.	.	.	.	6	3
	Crataegus monogyna	E2a	.	8	.	.	3	42	13	19	20	9	11
	Ligustrum vulgare	E2a	.	6	2	.	.	16	9	6	7	18	.
	Cornus sanguinea	E2	.	2	.	.	.	16	13	6	33	.	6
	Cotoneaster integerrimus	E2a	.	2	.	.	.	.	4	.	.	.	.
	Juniperus communis	E2	.	.	.	.	14	26	30	22	20	45	6
	Rosa canina	E2a	.	.	.	.	6	21	13	6	20	9	6
	Viburnum opulus	E2a	.	.	.	.	3	.	.	.	.	6	9
	Euonymus europaea	E2a	.	.	.	.	3	.	9	.	.	.	3
	Rosa glauca	E2	.	.	.	.	.	11	22	.	.	.	3
	Rubus fruticosus agg. (incl. R. coryfolius)	E2a	.	.	.	.	.	11	4	3	13	.	9
	Prunus spinosa	E2a	.	.	.	.	.	5	.	.	.	.	.

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12
TG	<i>Trifolio-Geranietea</i>													
	<i>Vincetoxicum hirundinaria</i>	E1	42	69	24	3	46	84	78	81	53	91	.	15
	<i>Anthericum ramosum</i>	E1	17	29	10	.	14	37	57	66	33	73	.	.
	<i>Polygonatum odoratum</i>	E1	8	20	.	.	3	58	43	50	7	73	.	.
	<i>Silene nutans</i>	E1	8	8	.	.	.	47	39	6	27	91	.	3
	<i>Viola collina</i>	E1	8	35	24	18	.	.	.	.	.	.	.	.
	<i>Origanum vulgare</i>	E1	.	21	10	5	3	42	26	34	20	45	.	12
	<i>Thesium bavarum</i>	E1	.	12	6	.	3	32	26	34	.	4	.	.
	<i>Geranium sanguineum</i>	E1	.	7	.	.	.	16	.	22	7	45	.	.
	<i>Clinopodium vulgare</i>	E1	.	4	4	.	6	63	39	6	7	36	.	12
	<i>Trifolium meridium</i>	E1	.	3	.	.	.	.	.	.	9	.	.	.
	<i>Veronica teucrium</i>	E1	.	3	.	.	.	.	.	.	18	.	.	.
	<i>Achillea distans</i> (incl. <i>A. millefolium</i> agg.)	E1	.	2	.	.	6	58	35	9	7	.	.	6
	<i>Trifolium alpestre</i>	E1	.	2	.	.	.	.	.	.	.	.	.	.
	<i>Lilium bulbiferum</i>	E1	.	1	.	.	.	.	.	7	.	.	.	.
	<i>Laserpitium latifolium</i>	E1	.	.	.	.	11	16	17	16	7	9	.	3
	<i>Campanula rapunculoides</i>	E1	.	.	.	.	9	53	57	3	.	.	17	27
	<i>Laserpitium siler</i>	E1	.	.	.	.	9	11	26	47	13	45	.	3
	<i>Graffia golaka</i>	E1	.	.	.	.	6	.	6	.	.	.	.	.
	<i>Digitalis grandiflora</i>	E1	.	.	.	.	3	63	48	16	.	.	.	.
	<i>Lilium carniolicum</i>	E1	.	.	.	.	3	32	26	34	.	36	.	.
	<i>Salvia pratensis</i> subsp. <i>saccardiana</i>	E1	.	.	.	.	3	5	.	25	.	.	.	.
	<i>Verbascum lanatum</i>	E1	.	.	.	.	3	26	4	3	.	.	.	3
	<i>Viola hirta</i>	E1	.	.	.	.	3	32	43	61	40	91	.	3
	<i>Valeriana collina</i>	E1	.	.	.	.	.	47	43	9	.	73	.	.
	<i>Libanotis montana</i> s. lat.	E1	.	.	.	.	.	37	4	3	.	.	.	9
	<i>Thalictrum minus</i>	E1	.	.	.	.	.	26	9	34	13	100	.	3
	<i>Inula conyzoides</i>	E1	.	.	.	.	.	21	9	.	.	9	.	.
	<i>Iris graminea</i>	E1	.	.	.	.	.	16	4	31	.	.	.	9
	<i>Hypericum perforatum</i>	E1	.	.	.	.	.	11	4	3	.	9	.	6
	<i>Trifolium rubens</i>	E1	.	.	.	.	.	11	4	.	.	.	.	.
	<i>Valeriana nemorensis</i>	E1	.	.	.	.	.	11	.	.	.	.	.	.
	<i>Astragalus glycyphyllos</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Calamintha einseleana</i>	E1	.	.	.	.	.	5	4	.	.	9	.	12
	<i>Peucedanum cervaria</i>	E1	.	.	.	.	.	5	4	3	13	.	.	6
	<i>Trifolium aureum</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Verbascum lychnitis</i>	E1	.	.	.	.	.	5	4	.	.	.	.	3
	<i>Vicia sylvatica</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Lathyrus sylvestris</i>	E1	.	.	.	.	.	.	4	.	.	.	.	.
	<i>Coronilla coronata</i>	E1	.	.	.	.	.	.	.	9	.	.	.	.
	<i>Verbascum austriacum</i>	E1	.	.	.	.	.	.	.	.	27	.	.	.
FB	<i>Festuco-Brometea</i>													
	<i>Carex humilis</i>	E1	42	63	30	13	40	58	70	94	33	100	6	9
	<i>Euphorbia cyparissias</i>	E1	33	46	12	8	.	47	43	28	13	64	.	12
	<i>Teucrium montanum</i>	E1	33	13	26	10	.	16	4	41	27	82	.	3
	<i>Centaurea triumfettii</i>	E1	25	2	6	.	.	11	9	.	7	27	.	3
	<i>Euphorbia verrucosa</i>	E1	8	4	.	4	.	.	6	.	.	.	.	.
	<i>Galium lucidum</i>	E1	8	56	32	23	9	47	30	66	33	45	.	.
	<i>Teucrium chamaedrys</i>	E1	8	44	14	.	3	53	48	50	73	100	.	6
	<i>Peucedanum oreoselinum</i>	E1	.	29	.	.	9	11	35	44	60	91	.	12
	<i>Brachypodium rupestre</i>	E1	.	27	6	3	9	47	30	38	67	64	.	12

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12
<i>Arabis hirsuta</i>	E1	.	9	2	.	.	16	.	.	.	27	.
<i>Festuca rupicola</i>	E1	.	4	.	.	.	5	4	3	.	.	.
<i>Dianthus monspessulanus</i>	E1	.	2	.	.	3	68	78	44	.	82	.
<i>Bromus erectus</i> agg.	E1	.	.	.	.	3	42	39	13	13	73	.
<i>Carlina acaulis</i>	E1	.	.	.	.	3	11	4	16	.	18	.
<i>Centaurea bracteata</i>	E1	.	.	.	.	3	21	22	16	20	9	.
<i>Linum catharticum</i>	E1	.	.	.	.	3	.	.	6	.	.	3
<i>Stachys recta</i> s. lat. (incl. <i>S. labiosa</i>)	E1	.	.	.	.	3	21	17	25	47	100	.
<i>Thymus praecox</i> s. lat.	E1	.	.	.	.	3	32	17	19	.	27	.
<i>Genista tinctoria</i>	E1	.	.	.	.	.	42	39	3	20	.	6
<i>Ajuga genevensis</i>	E1	.	.	.	.	.	37	22	9	.	45	.
<i>Helianthemum ovatum</i>	E1	.	.	.	.	.	32	17	3	13	64	.
<i>Allium carinatum</i> subsp. <i>pulchellum</i>	E1	.	.	.	.	.	21	35	6	.	91	.
<i>Inula hirta</i>	E1	.	.	.	.	.	21	4	19	.	18	.
<i>Carlina vulgaris</i>	E1	.	.	.	.	.	16	4	.	.	.	9
<i>Cirsium pannonicum</i>	E1	.	.	.	.	.	16	.	.	.	.	.
<i>Hippocrepis comosa</i>	E1	.	.	.	.	.	16	4	3	.	.	.
<i>Koeleria pyramidata</i>	E1	.	.	.	.	.	16	9	.	.	9	.
<i>Pimpinella saxifraga</i>	E1	.	.	.	.	.	16	17	.	13	9	.
<i>Allium carinatum</i> subsp. <i>carinatum</i>	E1	.	.	.	.	.	11	4	3	.	.	.
<i>Linum viscosum</i>	E1	.	.	.	.	.	11	.	3	20	27	.
<i>Satureja montana</i> subsp. <i>variegata</i>	E1	.	.	.	.	.	11	30	9	.	64	.
<i>Scabiosa triandra</i>	E1	.	.	.	.	.	11	4	.	7	45	.
<i>Asphodelus albus</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Centaurea scabiosa</i> subsp. <i>fritschii</i>	E1	.	.	.	.	.	5	.	.	13	.	3
<i>Cuscuta epithymum</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Galium verum</i>	E1	.	.	.	.	.	5	4	.	7	27	.
<i>Globularia punctata</i>	E1	.	.	.	.	.	5	.	.	.	27	.
<i>Hypochoeris maculata</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Linum tenuifolium</i>	E1	.	.	.	.	.	5	.	.	.	45	.
<i>Medicago lupulina</i>	E1	.	.	.	.	.	5	.	.	.	.	6
<i>Plantago media</i>	E1	.	.	.	.	.	5	4	.	.	.	3
<i>Polygala vulgaris</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Potentilla pusilla</i>	E1	.	.	.	.	.	5	4	.	.	9	.
<i>Prunella grandiflora</i>	E1	.	.	.	.	.	5	9	3	.	73	.
<i>Veronica barrelieri</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Sanguisorba minor</i>	E1	.	.	.	.	.	5	.	.	.	18	.
<i>Scabiosa columbaria</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Anthyllis vulneraria</i>	E1	.	.	.	.	.	9	3	7	18	.	.
<i>Allium senescens</i>	E1	.	.	.	.	.	4	.	.	9	.	.
<i>Betonica serotina</i>	E1	.	.	.	.	.	4	.	7	.	.	.
<i>Scabiosa bladnikiana</i>	E1	.	.	.	.	.	.	19	.	.	.	.
<i>Campanula glomerata</i>	E1	.	.	.	.	.	.	6	13	.	.	.
<i>Asperula cynanchica</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Asperula cynanchica</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Cirsium x linkianum</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Gentianella ciliata</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Thesium linophyllum</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Thlaspi praecox</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Gymnadenia conopsea</i>	E1	.	.	.	.	.	.	.	13	.	.	.
<i>Thymus longicaulis</i>	E1	.	.	.	.	.	.	.	13	.	.	.

Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12	
	<i>Carex caryophyllea</i>	E1	.	.	.	.	.	.	.	7	.	.	.	
	<i>Dorycnium germanicum</i> (incl. <i>D. herbaceum</i>)	E1	.	.	.	.	.	.	.	7	73	.	3	
	<i>Scabiosa graminifolia</i>	E1	.	.	.	.	.	.	.	7	.	.	.	
	<i>Thymus pulegioides</i>	E1	.	.	.	.	.	.	.	7	.	.	.	
	<i>Melica ciliata</i>	E1	.	.	.	.	.	.	.	.	27	.	.	
	<i>Orobanche gracilis</i>	E1	.	.	.	.	.	.	.	.	9	.	.	
ES	<i>Elyno-Seslerietea</i>													
	<i>Sesleria caerulea</i> subsp. <i>calcaria</i>	E1	83	54	36	28	91	53	96	100	93	64	61	70
	<i>Carex mucronata</i>	E1	58	1	2	.	9	.	31	.	.	.	.	9
	<i>Globularia cordifolia</i>	E1	42	7	26	3	3	11	4	22	7	45	.	3
	<i>Carex ferruginea</i>	E1	.	.	.	.	20	.	.	.	.	11	.	.
	<i>Laserpitium peucedanoides</i>	E1	.	.	.	.	20	.	.	19	7	.	.	.
	<i>Aster bellidiastrium</i>	E1	.	.	.	.	17	.	4	13	.	4	6	12
	<i>Pimpinella alpina</i>	E1	.	.	.	.	6	.	.	6	.	.	.	.
	<i>Campanula thyrsoides</i>	E1	.	.	.	.	3	.	.	.	64	.	.	.
	<i>Carduus crassifolius</i> (incl. <i>C. defloratus</i>)	E1	.	.	.	.	3	26	17	31	2.	64	.	3
	<i>Selaginella helvetica</i>	E1	.	.	.	.	3	.	4	.	.	.	.	3
	<i>Festuca calva</i>	E1	.	.	.	.	.	32	17	3	.	.	.	.
	<i>Pleum hirsutum</i>	E1	.	.	.	.	.	26	4	.	.	.	.	.
	<i>Acinos alpinus</i>	E1	.	.	.	.	.	21	9	.	7	.	.	.
	<i>Cerastium strictum</i>	E1	.	.	.	.	.	11	.	.	.	.	.	.
	<i>Alchemilla vulgaris</i> agg.	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Campanula witasekiana</i>	E1	.	.	.	.	.	5	4	.	.	.	.	.
	<i>Erigeron glabratu</i> s	E1	.	.	.	.	.	5	4	.	.	.	.	.
	<i>Gentiana lutea</i> subsp. <i>sympyandra</i>	E1	.	.	.	.	.	5	.	3	.	.	.	.
	<i>Helianthemum nummularium</i> subsp. <i>grandiflorum</i>	E1	.	.	.	.	.	5	.	.	7	18	.	.
	<i>Leucanthemum maximum</i> agg.	E1	.	.	.	.	.	5	4	6	13	.	.	.
	<i>Scabiosa lucida</i> subsp. <i>stricta</i>	E1	.	.	.	.	.	5	.	3	.	36	.	.
	<i>Hieracium villosum</i>	E1	.	.	.	.	.	.	.	9	.	.	.	.
	<i>Carex firma</i>	E1	.	.	.	.	.	.	.	3	.	.	.	.
	<i>Centaurea haynaldii</i> subsp. <i>julica</i>	E1	.	.	.	.	.	.	.	3	.	45	.	.
	<i>Hieracium pilosum</i>	E1	.	.	.	.	.	.	.	3	.	.	.	.
	<i>Thesium alpinum</i>	E1	.	.	.	.	.	.	.	3	.	.	.	.
	<i>Bupleurum ranunculoides</i>	E1	.	.	.	.	.	.	.	.	13	.	.	.
	<i>Rhinanthus glacialis</i>	E1	.	.	.	.	.	.	.	.	7	18	.	.
SCF	<i>Scheuchzerio-Caricetea fuscae</i>													
	<i>Pinguicula alpina</i>	E1	.	.	.	.	3	.	.	.	.	.	11	.
	<i>Tofieldia calyculata</i>	E1	.	.	.	.	3	.	.	9	.	.	.	9
	<i>Parnassia palustris</i>	E1	.	.	.	.	.	.	.	3	.	.	.	.
EA	<i>Epilobietea angustifolii</i>													
	<i>Fragaria vesca</i>	E1	.	7	.	3	.	63	70	.	20	27	.	24
	<i>Hypericum hirsutum</i>	E1	.	.	.	.	.	11	.	.	.	.	.	.
	<i>Rubus idaeus</i>	E2a	.	.	.	.	6	11	4	.	.	.	.	3
	<i>Carex muricata</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Galeopsis speciosa</i>	E1	.	.	.	.	.	5	.	.	.	.	.	3
	<i>Eupatorium cannabinum</i>	E1	.	.	.	.	14	.	.	3	7	9	6	27
	<i>Bromopsis benekenii</i>	E1	.	.	.	.	.	.	.	.	.	.	3	.
GU	<i>Galio-Urticetea</i>													.
	<i>Geum urbanum</i>	E1	.	.	.	.	.	11	.	.	.	.	.	3
	<i>Torilis japonica</i>	E1	.	.	.	.	.	11	.	.	.	.	.	.
	<i>Solanum dulcamara</i>	E1	.	.	.	.	.	5	.	.	.	.	.	6

	Successive number (Zaporedna številka)		1	2	3	4	5	6	7	8	9	10	11	12
	<i>Turritis glabra</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Viola odorata</i>	E1	.	.	.	.	.	5	.	.	.	.	.	.
	<i>Urtica dioica</i>	E1	.	.	.	.	.					6	.	
	<i>Parietaria officinalis</i>	E1	.	.	.	.	.					.	6	
	<i>Lapsana communis</i>	E1	.	.	.	.	.					.	3	
	<i>Saponaria officinalis</i>	E1	.	.	.	.	.	.	.	.	.	.	3	
	<i>Papaveretea rhoeadis (Stellarietea mediae)</i>													
	<i>Erigeron annus</i>	E1	.	.	.	.	.	.	.	.	.	.	.	9
	<i>Conyza canadensis</i>	E1	.	.	.	.	.	.	.	.	.	.	.	3
	<i>Cardamine hirsuta</i>	E1	.	.	.	.	.	.	.	.	.	.	.	3
MA	<i>Molinio-Arrhenatheretea</i>													
	<i>Lathyrus pratensis</i>	E1	.	7	2	3	.	26	4	.	7	.	.	6
	<i>Galium mollugo</i>	E1	.	.	.	.	3	.	.	.	.	27	.	3
	<i>Lotus corniculatus s. lat.</i>	E1	.	.	.	.	3	37	13	21	13	73	.	.
	<i>Dactylis glomerata</i>	E1	.	.	.	.	.	26	.	.	.	.	.	.
	<i>Veronica chamaedrys</i>	E1	.	.	.	.	.	26	4	3	.	.	.	.
	<i>Festuca rubra agg.</i>	E1	.	.	.	.	.	11	.	9	.	.	.	3
	<i>Angelica sylvestris</i>	E1	.	.	.	.	.	5	4	.	.	.	.	27
	<i>Colchicum autumnale</i>	E1	.	.	.	.	.	5	.	.	.	9	.	.
	<i>Leucanthemum ircutianum</i>	E1	.	.	.	.	.	5	.	3	.	.	.	.
	<i>Poa angustifolia</i>	E1	.	.	.	.	.		4	.	.	.	.	3
	<i>Taraxacum sect. Taraxacum</i>	E1	.	.	.	.	.		4	3	.	.	.	24
	<i>Ranunculus nemorosus</i>	E1	.	.	.	.	.		4	.	7	.	.	.
	<i>Centaurea carniolica</i>	E1	.	.	.	.	.			7	.	.	27	
	<i>Ajuga reptans</i>	E1	.	.	.	.	.				9	.	.	.
	<i>Selinum carvifolia</i>	E1	.	.	.	.	.				9	.	.	.
	<i>Centaurea jacea</i>	E1	.	.	.	.	.					6	.	.
	<i>Caltha palustris</i>	E1	.	.	.	.	.					6	6	
	<i>Deschampsia cespitosa</i>	E1	.	.	.	.	.					.	6	
	<i>Anthryscus sylvestris</i>	E1	.	.	.	.	.					.	3	
	<i>Cerastium holosteoides</i>	E1	.	.	.	.	.					.	3	
	<i>Crepis capillaris</i>	E1	.	.	.	.	.					.	3	
	<i>Vicia cracca</i>	E1	.	.	.	.	.					.	3	
	<i>Ranunculus acris</i>	E1	.	.	.	.	.					.	3	
	<i>Knautia arvensis</i>	E1	.	.	.	.	.					.	3	
	<i>Plantago lanceolata</i>	E1	.	.	.	.	.					.	3	
	<i>Plantago major</i>	E1	.	.	.	.	.					.	3	
MuA	<i>Mulgedio-Aconitetea</i>													
	<i>Aconitum angustifolium</i>	E1	.	.	.	.	11	26	22	6	.	4	.	.
	<i>Centaurea montana</i>	E1	.	.	.	.	9	.	.	6	.	.	.	.
	<i>Aconitum degenii</i> subsp. <i>paniculatum</i>	E1	.	.	.	.	3	.	9	.	.	4	6	.
	<i>Athyrium filix-femina</i>	E1	.	.	.	.	3	.	.	.	.	17	.	.
	<i>Veratrum album</i> s. lat.	E1	.	.	.	.	3	.	.	3	.	11	3	.
	<i>Hypricum maculatum</i>	E1	.	.	.	.				7	.	.	.	.
	<i>Phyteuma ovatum</i>	E1	.	.	.	.					4	.	3	.
	<i>Saxifraga rotundifolia</i>	E1	.	.	.	.					.	17	.	.
	<i>Viola biflora</i>	E1	.	.	.	.					.	11	.	.
	<i>Chaerophyllum hirsutum</i>	E1	.	.	.	.					.	6	12	.
TR	<i>Iblaspietea rotundifolii</i>													
	<i>Biscutella laevigata</i>	E1	.	4	58	8	.	5	.	9	13	9	.	.
	<i>Gymnocarpium robertianum</i>	E1	.	4	20	36	66	.	.	13	7	.	44	18

	Successive number (Zaporedna številka)											
	1	2	3	4	5	6	7	8	9	10	11	12
<i>Achnatherum calamagrostis</i>	E1	.	2	24	.	.	9	.	27	.	.	58
<i>Silene vulgaris</i> subsp. <i>glareosa</i>	E1	.	1	42	3	.	.	.	.	9	.	6
<i>Rumex scutatus</i>	E1	.	.	48	5	.	.	.	.	.	.	.
<i>Festuca laxa</i>	E1	.	.	32	5	.	.	.	.	.	.	.
<i>Astrantia carniolica</i>	E1	.	.	.	.	11	.	3	.	.	22	.
<i>Hieracium bifidum</i>	E1	.	.	.	.	11	16	4	34	7	.	44
<i>Aquilegia einseleana</i>	E1	.	.	.	.	6	.	3	7	.	.	12
<i>Tussilago farfara</i>	E1	.	.	.	.	3	.	.	.	.	.	18
<i>Geranium macrorrhizum</i>	E1	.	.	.	.	.	11	.	.	.	.	.
<i>Ligusticum seguieri</i>	E1	.	.	.	.	.	11	.	.	.	.	.
<i>Viola pyrenaica</i>	E1	.	.	.	.	.	11	4	.	.	.	.
<i>Cerastium subtriflorum</i>	E1	.	.	.	.	.	5	.	.	.	.	.
<i>Gypsophila repens</i>	E1	.	.	.	.	.	5	9	3	.	4	.
<i>Veronica fruticulosa</i>	E1	.	.	.	.	.	5	.	.	36	.	.
<i>Erigeron angulosus</i>	E1	.	.	.	.	.	.	4	.	.	.	.
<i>Campanula cochleariifolia</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Euphorbia triflora</i> subsp. <i>kernerii</i>	E1	.	.	.	.	.	.	.	40	.	.	.
<i>Thesium rostratum</i>	E1	.	.	.	.	.	.	.	27	.	.	.
<i>Asplenium fissum</i>	E1	.	.	.	.	.	.	.	7	.	.	.
<i>Centaurea dichroantha</i>	E1	.	.	.	.	.	.	.	.	9	.	.
<i>Chaamenerion palustre</i>	E1	.	.	.	.	.	.	.	.	.	.	9
<i>Leontodon hyoseroides</i>	E1	.	.	.	.	.	.	.	.	.	.	12
<i>Athamanta cretensis</i>	E1	.	.	.	.	.	.	.	.	.	.	6
<i>Trisetum argenteum</i>	E1	.	.	.	.	.	.	.	.	.	.	6
<i>Scrophularia canina</i>	E1	.	.	.	.	.	.	.	.	.	.	3
<i>Saxifraga aizoides</i>	E1	.	.	.	.	.	.	.	.	.	.	3
AT <i>Asplenietea trichomanis</i>												
<i>Potentilla caulescens</i>	E1	67	2	.	3	.	11	13	50	.	9	.
<i>Kernera saxatilis</i>	E1	58	9	10	10	9	16	4	16	.	.	9
<i>Asplenium ruta-muraria</i>	E1	33	18	4	.	43	79	100	88	.	82	22
<i>Silene hayekiana</i>	E1	25	2	6	.	3	21	17	.	.	.	.
<i>Asplenium trichomanes</i>	E1	17	7	.	3	20	58	96	34	7	45	56
<i>Valeriana saxatilis</i>	E1	.	4	30	28	51	.	4	22	.	.	.
<i>Asplenium viride</i>	E1	.	.	.	.	26	.	17	.	.	33	3
<i>Phyteuma scheuchzeri</i> subsp. <i>columnnae</i>	E1	.	.	.	.	23	5	4	81	.	.	33
<i>Saxifraga crustata</i>	E1	.	.	.	.	20	16	48	3	.	.	3
<i>Carex brachystachys</i>	E1	.	.	.	.	11	5	.	3	.	6	3
<i>Athamanta turbith</i>	E1	.	.	.	.	9	21	26	22	.	4	.
<i>Moebringia muscosa</i>	E1	.	.	.	.	9	32	65	3	.	33	3
<i>Primula carniolica</i>	E1	.	.	.	.	6	.	.	25	.	.	6
<i>Daphne alpina</i>	E2a	.	.	.	.	3	.	.	19	.	.	.
<i>Hieracium pospischalii</i>	E1	.	.	.	.	3	5	.	.	.	.	9
<i>Micromeria thymifolia</i>	E1	.	.	.	.	3	5	13	9	.	.	3
<i>Polypodium vulgare</i>	E1	.	.	.	.	3	37	52	3	.	.	11
<i>Rhamnus pumilus</i>	E1	.	.	.	.	3	.	4	3	.	.	.
<i>Sedum album</i>	E1	.	.	.	.	.	53	52	3	.	27	.
<i>Festuca stenantha</i>	E1	.	.	.	.	.	42	35	.	9	.	.
<i>Saxifraga petraea</i>	E1	.	.	.	.	.	26	4	.	.	.	.
<i>Saxifraga hostii</i>	E1	.	.	.	.	.	21	26	.	.	6	3
<i>Sedum maximum</i>	E1	.	.	.	.	.	21	13	.	9	.	.
<i>Sempervivum tectorum</i>	E1	.	.	.	.	.	21	13	.	45	.	.

	Successive number (Zaporedna številka)												
	1	2	3	4	5	6	7	8	9	10	11	12	
<i>Ceterach javorkeanum</i>	E1	.	.	.	.	16	9	.	.	.	6	.	
<i>Hieracium glaucum</i>	E1	.	.	.	.	16	13	13	.	.	.	12	
<i>Sedum hispanicum</i>	E1	.	.	.	.	11	.	.	.	.	.	.
<i>Seseli gouanii</i>	E1	.	.	.	.	11	9	6	7	.	.	.	
<i>Campanula spicata</i>	E1	.	.	.	.	5	9	3	7	.	.	.	
<i>Dianthus sylvestris</i>	E1	.	.	.	.	5	.	3	.	45	.	.	
<i>Erysimum sylvestre</i>	E1	.	.	.	.	5	9	6	.	9	.	.	
<i>Iris pallida</i> subsp. <i>cengialti</i>	E1	.	.	.	.	5	17	3	.	18	.	.	
<i>Moehringia villosa</i>	E1	.	.	.	.	5	4	.	.	.	.	.
<i>Cystopteris fragilis</i>	E1	.	.	.	.	.	9	.	.	.	28	3	
<i>Primula x venusta</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Cardaminopsis arenosa</i>	E1	.	.	.	.	.	.	3	.	.	.	.
<i>Paederota bonarota</i>	E1	.	.	.	.	.	.	3	.	.	.	6	
<i>Spiraea decumbens</i>	E1											3	
O Other species (Druge vrste)													
<i>Festuca</i> sp.	E1	.	.	.	.	5	.	.	.	.	.	.
<i>Hieracium</i> sp.	E1	.	.	.	.	.	9	.	.	.	.	.
<i>Minuartia</i> sp.	E1	.	.	.	.	.	4	.	.	.	.	.
<i>Viola</i> sp.	E1	.	.	.	.	.	.	3	.	.	.	.
ML Mosses and lichens (Mahovi in lišaji)													
<i>Ctenidium molluscum</i>	E0	.	.	.	.	83	21	70	78	.	9	83	67
<i>Exsertotheca crispa</i> (<i>Neckera crispa</i>)	E0	.	.	.	.	80	32	91	78	.	9	72	21
<i>Fissidens dubius</i>	E0	.	.	.	.	77	5	13	31	.	36	72	24
<i>Tortella tortuosa</i>	E0	.	.	.	.	54	58	91	75	.	82	33	39
<i>Hylocomiadelphus triquetrus</i> (<i>Rhytidiodelphus triquetrus</i>)	E0	.	.	.	.	40	5	22	3	.	11	9	.
<i>Hylocomium splendens</i>	E0	.	.	.	.	37	.	30	.	.	6	.	.
<i>Polytrichum formosum</i>	E0	.	.	.	.	34	5	4	.	.	17	.	.
<i>Scleropodium purum</i>	E0	.	.	.	.	29	16	4	19	.	6	9	.
<i>Eurhynchium striatum</i>	E0	.	.	.	.	26	5	.	.	27	6	3	.
<i>Plagiochila porelloides</i>	E0	.	.	.	.	26	5	4	.	.	22	.	.
<i>Thuidium tamariscinum</i>	E0	.	.	.	.	23	.	.	.	.	6	3	.
<i>Homalothecium philippeanum</i>	E0	.	.	.	.	17	.	9	9	.	.	.	.
<i>Hypnum cupressiforme</i>	E0	.	.	.	.	17	26	30	22	.	27	11	6
<i>Schistidium apocarpum</i>	E0	.	.	.	.	17	74	74	47	.	36	11	27
<i>Metzgeria furcata</i>	E0	.	.	.	.	14	5	4	.	9	6	.	.
<i>Plagiommium undulatum</i>	E0	.	.	.	.	11	.	4	.	.	.	.	.
<i>Cladonia</i> sp.	E0	.	.	.	.	9	.	.	.	.	.	.	.
<i>Conocephalum conicum</i>	E0	.	.	.	.	9	.	.	3	.	.	50	6
<i>Orthothecium rufescens</i>	E0	.	.	.	.	9	.	.	3	.	.	22	.
<i>Encalypta streptocarpa</i>	E0	.	.	.	.	6	.	9	3	.	9	11	.
<i>Homalothecium lutescens</i>	E0	.	.	.	.	6	42	48	13	.	73	.	21
<i>Rhytidiodelphus loreus</i>	E0	.	.	.	.	6	.	.	.	.	.	.	.
<i>Solorina saccata</i>	E0	.	.	.	.	6	.	.	.	.	.	.	.
<i>Atrichum undulatum</i>	E0	.	.	.	.	3	.	.	3	.	.	.	.
<i>Bartramia pomiformis</i>	E0	.	.	.	.	3	5	.	.	.	11	.	.
<i>Bryum capillare</i>	E0	.	.	.	.	3	.	4	.	9	6	.	.
<i>Cladonia pyxidata</i>	E0	.	.	.	.	3	11	4	.	9	.	.	.
<i>Dicranum scoparium</i>	E0	.	.	.	.	3	5	22	3	.	.	.	.
<i>Isothecium alopecuroides</i>	E0	.	.	.	.	3	32	22	3	.	.	33	24
<i>Marchantia polymorpha</i>	E0	.	.	.	.	3	.	4	.	.	.	6	.
<i>Mnium marginatum</i>	E0	.	.	.	.	3	.	.	.	.	6	.	.

Successive number (Zaporedna številka)	1	2	3	4	5	6	7	8	9	10	11	12
<i>Mnium thomsonii</i>	E0	.	.	.	3	.	.	.	.	36	28	.
<i>Peltigera canina</i>	E0	.	.	.	3	26	4	.	.	9	6	.
<i>Peltigera leucophlebia</i>	E0	.	.	.	3	.	.	.	.	.	.	.
<i>Plagiopus oederi</i>	E0	.	.	.	3	.	.	.	.	.	.	.
<i>Plagiothecium denticulatum</i>	E0	.	.	.	3	.	.	.	.	.	.	.
<i>Thuidium abietinum</i>	E0	.	.	.	3	5	.	.	.	.	.	.
<i>Thuidium delicatulum</i>	E0	.	.	.	3	21	4	.	.	9	.	.
<i>Anomodon viticulosus</i>	E0	.	.	.	.	53	9	.	.	18	.	.
<i>Homalothecium sericeum</i>	E0	.	.	.	.	47	65	22	.	.	.	.
<i>Pseudanomodon attenuatus</i> (<i>Anomodon attenuatus</i>)	E0	.	.	.	.	16	.	.	.	.	6	6
<i>Dermatocarpon miniatum</i>	E0	.	.	.	.	11	.	.	.	.	.	.
<i>Porella platyphylla</i>	E0	.	.	.	.	11	30	6	.	.	.	.
<i>Rhytidium rugosum</i>	E0	.	.	.	.	11	.	6	.	.	.	.
<i>Collema crispum</i>	E0	.	.	.	.	5	4	.	.	.	.	.
<i>Alleniella complanata</i> (<i>Neckera complanata</i>)	E0	.	.	.	.	5	.	.	.	.	3	.
<i>Grimmia pulvinata</i>	E0	.	.	.	.	.	4	3	.	.	.	.
<i>Radula complanata</i>	E0	.	.	.	.	.	4	.	.	.	.	.
<i>Pedinophyllum interruptum</i>	E0	.	.	.	.	.	.	.	7	.	.	.
<i>Scleropodium touretii</i>	E0	.	.	.	.	.	.	.	7	.	.	.
<i>Brachythecium geheebii</i>	E0	.	.	.	.	.	.	.	.	36	.	.
<i>Scapania nemorosa</i>	E0	.	.	.	.	.	.	.	.	27	.	.
<i>Plagiomnium undulatum</i>	E0	.	.	.	.	.	.	.	.	.	17	6
<i>Leucobryum glaucum</i>	E0	.	.	.	.	.	.	.	.	.	17	.
<i>Eurbrychium angustirete</i>	E0	.	.	.	.	.	.	.	.	.	11	6
<i>Palustriella commutata</i>	E0	.	.	.	.	.	.	.	.	.	6	6
<i>Preissia quadrata</i>	E0	.	.	.	.	.	.	.	.	.	6	.
<i>Rhizomnium punctatum</i>	E0	.	.	.	.	.	.	.	.	.	6	.
<i>Brachythecium rutabulum</i>	E0	.	.	.	.	.	.	.	.	.	.	9
<i>Rhytidium rugosum</i>	E0	.	.	.	.	.	.	.	.	.	.	3
<i>Thuidium recognitum</i>	E0	.	.	.	.	.	.	.	.	.	.	3

Legend – Legenda

- 1 EOpC: *Erico-Ostryetum* Horvat 1959 *potentilletosum caulescentis* (Franz) Franz & Willner 2007 (Austria, northern Slovenia, Franz & Willner, 2007b, Table 13, column 5)
- 2 EOty: *Erico-Ostryetum* Horvat 1959 *typicum* Franz & Willner 2007 (Austria, Franz & Willner, 2007b, Table 13, column 2)
- 3 EOsg: *Erico-Ostryetum* Horvat 1959 *silenetosum glareosae* (Franz) Franz & Willner 2007 (Austria, northern Slovenia, Franz & Willner, 2007b, Table 13, column 2)
- 4 EOrh: *Erico-Ostryetum* Horvat 1959 *rhabodendretosum hirsuti* (Franz) Franz & Willner 2007 (Austria, northern Slovenia, Franz & Willner, 2007b, Table 13, column 3)
- 5 RO *Rhododendro hirsuti-Ostryetum* Franz ex Dakskobler ass. nov. (north)western Slovenia
- 6, 7, 8 OFO1,OFO2,OFO3 *Fraxino orni-Ostryetum* Aichinger 1933, (north)western Slovenia
- 9 OFO-It *Ostryo carpinifoliae-Fraxinetum orni* Aichinger 1933 (northeastern Italy, Poldini & Vidali, 1999, Table 1)
- 10 CyO-SI *Cytisantho-Ostryetum* M. Wraber 1961 (Bohinj, M. Wraber, 1961, phytosociological table, relevés 1 to 11)
- 11 ScO *Scopolio carniolicae-Ostryetum carpinifoliae*, this article (ta članek)
- 12 PvO *Peucedano verticillari-Ostryetum carpinifoliae*, this article (ta članek)

Table 7: Initial stages of the association *Peucedano verticillari-Ostryetum carpinifoliae*

Table 7: Inicialne stopnje asocijacije *Peucedano verticillari-Ostryetum carpinifoliae*

Number of relevé (Zaporedna številka popisa)	1	2	3	4
Database number of relevé (Številka popisa v podatkovni bazi)	277642	291149	291155	293473
Altitude in m (Nadmorska višina v m)	355	390	390	440
Aspect (Legă)	0	E	SW	W
Slope in degrees (Nagib v stopinjah)	0	5	60	40
Parent material (Matična podlaga)	Gr	Rs	ALR	De
Soil type (Talni tip)	Flu	Li	Li	Li
Stoniness in % (Kamnitost v %)	100	100	100	100
Cover in % (Zastiranje v %)				
Shrub layer (Grmovna plast)	E2	30	10	5
Herb layer (Zeliščna plast)	E1	30	65	40
Moss layer (Mahovna plast)	E0	.	10	5
Number of species (Število vrst)		41	24	27
Relevé area (Velikost popisne ploskve)	m ²	100	40	50
Date of taking relevé (Datum popisa)		6/9/ 2019	8/24/ 2022	8/24/ 2022
Locality (Nahajališče)	Tolminka-Srednjiča	Tolminka-Polog	Tolminka-Azmica	Tolminka-Polog
Quadrant (Srednjeevropski kvadrant)	9748/3	9748/3	9748/3	9748/3
Coordinates (Koordinate) GK Y (D-48)	m	401995	402252	402256
Coordinates (Koordinate) GK X (D-48)	m	5122007	5122732	5122775
Diagnostic species of the syntaxon (Diagnostične vrste sintaksona)				
QP <i>Ostrya carpinifolia</i>	E2	2	1	1
TR <i>Petasites paradoxus</i>	E1	2	3	2
BA <i>Salix appendiculata</i>	E2a	+	1	+
SP <i>Salix eleagnos</i>	E2a	2	1	3
SC <i>Peucedanum verticillare</i>	E1	+	.	+
Differential species of variants (Razlikovalne vrste variant)				
SC <i>Achnatherum calamagrostis</i>	E1	1	+	+
PcSp <i>Saxifraga crustata</i>	E1	+	2	+
PcSp <i>Campanula cespitosa</i>	E1	+	+	+
PcSp <i>Hieracium porrifolium</i>	E1	+	.	+
PC <i>Hieracium glaucum</i>	E1	+	.	+
EP <i>Carex alba</i>	E1	.	.	.
AP <i>Valeriana tripteris</i>	E1	.	.	.
QP <i>Quercetalia pubescenti-petraeae</i>				
<i>Fraxinus ornus</i>	E2	+	.	+
<i>Arabis turrita</i>	E1	+	.	.
<i>Melittis melissophyllum</i>	E1	.	.	+
AF <i>Arenonio-Fagion, Erythronio-Carpinion</i>				
<i>Lamium orvala</i>	E1	r	.	.
<i>Cyclamen purpurascens</i>	E1	.	.	.
<i>Primula vulgaris</i>	E1	.	.	.
TA <i>Tilio-Acerion</i>				
<i>Acer pseudoplatanus</i>	E1	+	.	.
<i>Geranium robertianum</i>	E1	+	.	.
<i>Tilia cordata</i>	E2a	r	.	.

		Number of relevé (Zaporedna številka popisa)	1	2	3	4	Pr.	Fr.
	<i>Juglans regia</i>	E2b	.	.	.	+	1	25
FS	<i>Fagetalia sylvaticae</i>							
	<i>Mycelis muralis</i>	E1	+	.	+	.	2	50
	<i>Fagus sylvatica</i>	E2	r	.	.	1	2	50
	<i>Viola reichenbachiana</i>	E1	.	.	+	.	1	25
	<i>Asarum europaeum</i> subsp. <i>caucasicum</i>	E1	.	.	.	1	1	25
	<i>Brachypodium sylvaticum</i>	E1	.	.	.	2	1	25
	<i>Salvia glutinosa</i>	E1	.	.	.	1	1	25
	<i>Galium laevigatum</i>	E1	.	.	.	1	1	25
	<i>Carpinus betulus</i>	E2a	.	.	.	+	1	25
	<i>Melica nutans</i>	E1	.	.	.	+	1	25
	<i>Petasites albus</i>	E1	.	.	.	+	1	25
QF	<i>Querco-Fagetea</i>							
	<i>Clematis vitalba</i>	E2a	+	.	.	.	1	25
	<i>Corylus avellana</i>	E2a	+	.	.	.	1	25
	<i>Carex digitata</i>	E1	.	+	.	.	1	25
	<i>Vinca minor</i>	E1	.	.	.	1	1	25
EP	<i>Erico-Pinetea</i>							
	<i>Calamagrostis varia</i>	E1	+	2	2	4	4	100
	<i>Molinia arundinacea</i>	E1	.	.	1	+	2	50
	<i>Erica carnea</i>	E1	+	.	.	.	1	25
	<i>Polygala chamaebuxus</i>	E1	.	1	.	.	1	25
	<i>Carex ornithopoda</i>	E1	.	+	.	.	1	25
VP	<i>Vaccinio-Piceetea</i>							
	<i>Larix decidua</i>	E2a	r	.	.	.	1	25
	<i>Solidago virgaurea</i>	E1	.	.	.	+	1	25
RP	<i>Rhamno-Prunetea</i>							
	<i>Rubus fruticosus</i> agg.	E2a	.	.	+	1	2	59
	<i>Rubus hirtus</i>	E2a	.	.	.	1	1	25
MuA	<i>Mulgedio-Aconitetea</i>							
	<i>Senecio ovatus</i> (<i>S. fuchsii</i>)	E1	.	.	.	1	1	25
EA	<i>Epilobietea angustifolii</i>							
	<i>Eupatorium cannabinum</i>	E1	.	.	+	2	2	50
	<i>Fragaria vesca</i>	E1	.	.	.	+	1	25
	<i>Physalis alkekengi</i>	E1	.	.	.	+	1	25
TG	<i>Trifolio-Geranietea</i>							
	<i>Libanotis daucifolia</i>	E1	.	1	.	.	1	25
	<i>Hypericum perforatum</i>	E1	.	+	.	.	1	25
	<i>Laserpitium latifolium</i>	E1	.	+	.	.	1	25
	<i>Origanum vulgare</i>	E1	.	.	.	2	1	25
	<i>Campanula rapunculoides</i>	E1	.	.	.	+	1	25
FB	<i>Festuco-Brometea</i>							
	<i>Buphtalmum salicifolium</i>	E1	+	3	+	2	4	100
	<i>Stachys recta</i>	E1	+	.	+	.	2	50
	<i>Thymus praecox</i>	E1	.	1	+	.	2	50
	<i>Cirsium erisithales</i>	E1	.	1	.	+	2	50
	<i>Carlina vulgaris</i>	E1	+	.	.	.	1	25
	<i>Peucedanum oreoselinum</i>	E1	+	.	.	.	1	25
	<i>Genista tinctoria</i>	E1	.	+	.	.	1	25
	<i>Scabiosa triandra</i>	E1	.	+	.	.	1	25

	Number of relevé (Zaporedna številka popisa)	1	2	3	4	Pr.	Fr.
	<i>Centaurea bracteata</i>	E1	.	.	+	.	1 25
	<i>Linum catharticum</i>	E1	.	.	+	.	1 25
	<i>Pimpinella nigra</i> ?	E1	.	.	.	+	1 25
MA	<i>Molinio-Arrhenatheretea</i>						
	<i>Angelica sylvestris</i>	E1	.	+	+	.	2 50
	<i>Taraxacum</i> sect. <i>Taraxacum</i>	E1	+	.	.	.	1 25
	<i>Lotus corniculatus</i>	E1	.	+	.	.	1 25
ES	<i>Elyno-Seslerietea</i>						
	<i>Sesleria caerulea</i>	E1	.	+	.	.	1 25
	<i>Betonica alopecuroides</i>	E1	.	.	.	+	1 25
SC	<i>Stipion calamagrostis</i>						
	<i>Euphrasia cuspidata</i>	E1	+	.	.	.	1 25
	<i>Centaurea dichroantha</i>	E1	+	.	.	.	1 25
TR	<i>Thlaspietea rotundifolii</i>						
	<i>Hieracium bifidum</i>	E1	+	.	+	.	2 50
	<i>Aquilegia einseleana</i>	E1	+	.	.	.	1 25
	<i>Hieracium piloselloides</i>	E1	+	.	.	.	1 25
	<i>Silene vulgaris</i> subsp. <i>glareosa</i>	E1	+	.	.	.	1 25
	<i>Trisetum argenteum</i>	E1	+	.	.	.	1 25
	<i>Tussilago farfara</i>	E1	+	.	.	.	1 25
	<i>Hieracium dollineri</i>	E1	r	.	.	.	1 25
	<i>Leontodon hispidus</i> subsp. <i>hyoseroides</i>	E1	.	.	+	.	1 25
	<i>Gymnocarpium robertianum</i>	E1	.	.	.	+	1 25
AP	<i>Astrantio-Paederotion</i>						
	<i>Carex brachystachys</i>	E1	+	.	.	.	1 25
AT	<i>Asplenietea trichomanis</i>						
	<i>Asplenium ruta-muraria</i>	E1	+	+	.	.	2 50
	<i>Hieracium glaucum</i> x <i>porrifolium</i>	E1	+	.	.	.	1 25
	<i>Kernera saxatilis</i>	E1	+	.	.	.	1 25
ML	Mosses (Mahovi)						
	<i>Tortella tortuosa</i>	E0	.	2	.	.	1 25
	<i>Brachythecium rutabulum</i>	E0	.	.	1	.	1 25
	<i>Schistidium apocarpum</i>	E0	.	.	1	.	1 25
	<i>Ctenidium molluscum</i>	E0	.	.	.	1	1 25

Legend – Legenda

Gr Gravel – Prod

Rs Rockfall – Podorne skale

De Debris – Grušč

A Limestone – Apnenec

L Marlstone – Laporovec

R Chert – Roženec

Flu Fluvisol – Obrečna tla

Li Lithosol – Kamnišče

Pr. Presence – Number of relevés in which the species is presented

Prezenca – Število popisov, v katerih se pojavlja vrsta)

Fr. Frequency in % – Frequenca v %

? Determination should be proved – Določitev je treba še preveriti

Table 8: *Ostryo carpinifoliae-Salicetum capreae* nom. prov. and *Clematido alpinae-Salicetum capreae* nom. prov.

Table 8: *Ostryo carpinifoliae-Salicetum capreae* nom. prov. in *Clematido alpinae-Salicetum capreae* nom. prov.

Number of relevé (Zaporedna številka popisa)	1	2	3	4	
Database number of relevé (Številka popisa v podatkovni bazi)	259523	259524	259184	293460	
Altitude in m (Nadmorska višina v m)	1115	1135	1210	1275	
Aspect (Lega)	S	S	SW	0	
Slope in degrees (Nagib v stopinjah)	30	30	25	0-10	
Parent material (Matična podlaga)	De	De	A	AR	
Soil type (Talni tip)	Li	Li	Re	Re	
Stoniness in % (Kamnitost v %)	90	90	20	80	
Cover in % (Zastiranje v %)					
Tree layer (Drevesna plast)	E3	80	80	.	80
Shrub layer (Grmovna plast)	E2	20	60	80	50
Herb layer (Zeliščna plast)	E1	50	20	30	30
Moss layer (Mahovna plast)	E0	10	5	.	30
Maximum tree diameter (Maksimalni premer dreves)	cm	10	10	.	12
Maximum tree height (Maksimalna višina dreves)	m	5	5	.	29
Number of species (Število vrst)		67	61	17	44
Relevé area (Velikost popisne ploskve)	m ²	200	200	200	400
Date of taking relevé (Datum popisa)		5/13/2015	5/13/2015	11/3/2015	5/26/2022
Locality (Nahajališče)		Javorca-Rdeči rob	Javorca-Rdeči rob	Smrekova glava	Ojstruvica
Quadrant (Srednjeevropski kvadrant)		9748/3	9748/3	9647/4	0048/2
Coordinates (Koordinate) GK Y (D-48)	m	400500	400497	392632	409169
Coordinates (Koordinate) GK X (D-48)	m	5123070	5123109	5134693	5094745

Diagnostic species of the syntaxon <i>Ostryo-Salicetum capreae</i> (Diagnostične vrste sintaksona)						Pr.
SSC <i>Salix caprea</i>	E3	5	5	.	4	3
SSC <i>Salix caprea</i>	E2	.	.	3	.	1
GU <i>Urtica dioica</i>	E1	2	1	.	2	3
QP <i>Arabis turrita</i>	E1	1	1	.	.	2
TA <i>Hesperis candida</i>	E1	2	+	.	.	2
QP <i>Ostrya carpinifolia</i>	E3b	+	.	.	.	1
QP <i>Ostrya carpinifolia</i>	E2b	1	+	1	.	3
QP <i>Ostrya carpinifolia</i>	E2a	+	+	.	.	2
TR <i>Petasites paradoxus</i>	E1	+	1	.	.	2
ES <i>Festuca calva</i>	E1	+	1	.	.	2
QP <i>Fraxinus ornus</i>	E2a	+	+	.	.	2
TG <i>Verbascum lychnitis</i>	E1	+	+	.	.	2
QP <i>Primula veris</i> subsp. <i>columnae</i>	E1	+	+	.	.	2
SSC <i>Sambuco-Salicion capreae</i>						
<i>Sambucus racemosa</i>	E2b	+	.	.	+	1
<i>Rubus idaeus</i>	E2a	.	.	+	.	1
<i>Sorbus aucuparia</i>	E3	.	.	.	+	1
<i>Sorbus aucuparia</i>	E2	.	.	.	+	1
RP <i>Rhamno-Prunetea</i>						
<i>Rosa canina</i>	E2b	+	.	.	.	1
<i>Rosa glauca</i>	E2b	+	.	.	.	1
AF <i>Aremonio-Fagion</i>						
<i>Rhamnus fallax</i>	E2	+	+	.	.	2
<i>Lamium orvala</i>	E1	+	.	.	.	1
TA <i>Tilio-Acerion, Alnion incanae</i>						
<i>Acer pseudoplatanus</i>	E3	+	.	.	+	3

Number of relevé (Zaporedna številka popisa)		1	2	3	4	Pr.	
	<i>Acer pseudoplatanus</i>	E2	1	1	.	.	2
	<i>Acer pseudoplatanus</i>	E1	+	+	.	.	2
	<i>Geranium robertianum</i>	E1	1	+	.	.	2
	<i>Acer platanoides</i>	E2b	+	.	.	.	1
	<i>Cardamine impatiens</i>	E1	.	+	.	.	1
	<i>Dryopteris affinis</i>	E1	.	.	+	.	1
	<i>Polystichum aculeatum</i>	E1	.	.	.	+	
FS	<i>Fagetalia sylvaticae</i>						
	<i>Fagus sylvatica</i>	E2	+	+	1	1	4
	<i>Laburnum alpinum</i>	E2	+	+	1	.	3
	<i>Dryopteris filix-mas</i>	E1	+	.	1	1	3
	<i>Fraxinus excelsior</i>	E2	1	1	.	.	2
	<i>Campanula trachelium</i>	E1	1	1	.	.	2
	<i>Myosotis decumbens</i> (<i>Myosotis sylvatica</i> agg.)	E1	+	+	.	.	2
	<i>Mycelis muralis</i>	E1	1	.	.	+	2
	<i>Galeobdolon flavidum</i>	E1	+	.	.	+	2
	<i>Festuca heterophylla</i>	E1	1	.	.	.	1
	<i>Salvia glutinosa</i>	E1	1	.	.	.	1
	<i>Asarum europaeum</i> subsp. <i>caucasicum</i>	E1	+	.	.	.	1
	<i>Cardamine bulbifera</i>	E1	+	.	.	.	1
	<i>Cardamine pentaphyllos</i>	E1	+	.	.	.	1
	<i>Galium laevigatum</i>	E1	+	.	.	.	1
	<i>Scrophularia nodosa</i>	E1	+	.	.	.	1
	<i>Poa nemoralis</i>	E1	+	.	.	.	1
	<i>Mercurialis perennis</i>	E1	.	+	.	.	1
	<i>Lonicera alpigena</i>	E2	.	.	.	1	1
	<i>Daphne mezereum</i>	E2	.	.	.	+	1
	<i>Epilobium montanum</i>	E1	.	.	.	+	1
	<i>Lilium martagon</i>	E1	.	.	.	+	1
	<i>Prenanthes purpurea</i>	E1	.	.	.	+	1
QP	<i>Quercetalia pubescenti-petraeae</i>						
	<i>Sorbus aria</i> (<i>Aira edulis</i>)	E2a	.	.	.	+	1
QF	<i>Querco-Fagetea</i>						
	<i>Clematis vitalba</i>	E2	1	1	1	.	3
	<i>Carex digitata</i>	E1	+	.	.	+	2
	<i>Corylus avellana</i>	E2b	+	.	.	.	1
	<i>Hedera helix</i>	E1	.	+	.	.	1
	<i>Anemone nemorosa</i>	E1	.	.	.	+	1
	<i>Moebringia trinervia</i>	E1	.	.	.	+	1
	<i>Spiraea chaemedyrifolia</i>	E1	.	.	.	+	1
VP	<i>Vaccinio-Piceetea</i>						
	<i>Larix decidua</i>	E2b	.	.	3	.	1
	<i>Picea abies</i>	E2	.	.	1	1	1
	<i>Calamagrostis arundinacea</i>	E1	.	.	.	2	1
	<i>Luzula luuloides</i>	E1	.	.	.	1	1
	<i>Clematis alpina</i>	E2	.	.	.	1	1
	<i>Rosa pendulina</i>	E2	.	.	.	1	1
	<i>Solidago virgaurea</i>	E1	.	.	.	1	1
	<i>Lonicera nigra</i>	E2	.	.	.	+	1
	<i>Abies alba</i>	E2a	.	.	.	+	1

Number of relevé (Zaporedna številka popisa)		1	2	3	4	Pr.	
	<i>Vaccinium myrtillus</i>	E1	.	.	.	+	1
	<i>Veronica urticifolia</i>	E1	.	.	.	+	1
EA	<i>Epilobietea angustifolii</i>						
	<i>Eupatorium cannabinum</i>	E1	+	+	1	.	3
	<i>Rubus idaeus</i>	E2a	1	+	.	.	2
	<i>Solanum dulcamara</i>	E1	+	+	.	.	2
	<i>Carex muricata</i>	E1	+	+	.	.	2
	<i>Lapsana communis</i>	E1	+	.	.	.	1
	<i>Cirsium arvense</i>	E1	.	.	.	+	1
	<i>Fragaria vesca</i>	E1	.	.	.	+	1
BA	<i>Betulo-Alnetea</i>						
	<i>Salix appendiculata</i>	E2	.	.	+	.	1
MuA	<i>Mulgedio-Aconitetea</i>						
	<i>Silene dioica</i>	E1	+	+	.	.	2
	<i>Senecio ovatus (S. fuchsii)</i>	E1	1	.	.	+	2
	<i>Chaerophyllum aureum</i>	E1	+	.	.	.	1
	<i>Myrrhis odorata</i>	E1	+	.	.	.	1
TG	<i>Trifolio-Geranietea</i>						
	<i>Achillea distans</i>	E1	+	+	1	.	3
	<i>Digitalis grandiflora</i>	E1	1	1	.	.	2
	<i>Verbascum lanatum</i>	E1	1	1	.	.	2
	<i>Hypericum perforatum</i>	E1	.	+	.	.	1
	<i>Libanotis sibirica subsp. <i>montana</i></i>	E1	.	+	.	.	1
	<i>Origanum vulgare</i>	E1	.	+	.	.	1
	<i>Silene nutans</i>	E1	.	+	.	.	1
	<i>Inula conyzoides</i>	E1	.	.	1	.	1
	<i>Valleria walrothii (V. collina)</i>	E1	.	.	+	.	1
ES	<i>Elyno-Seslerietea, Erico-Pinetea</i>						
	<i>Calamagrostis varia</i>	E1	.	+	2	.	2
	<i>Betonica alopecuros</i>	E1	+	.	.	.	1
	<i>Carduus crassifolius</i>	E1	.	+	.	.	1
	<i>Ranunculus montanus</i>	E1	.	+	.	.	1
FB	<i>Festuco-Brometea</i>						
	<i>Buphthalmum salicifolium</i>	E1	+	+	.	.	2
	<i>Cirsium erisithales</i>	E1	+	+	.	.	2
	<i>Medicago lupulina</i>	E1	+	+	.	.	2
	<i>Galium lucidum</i>	E1	.	+	.	.	1
MA	<i>Molinio-Arrhenatheretea</i>						
	<i>Dactylis glomerata</i>	E1	+	+	.	.	2
	<i>Galium album</i>	E1	+	+	.	.	2
	<i>Taraxacum sect. Taraxacum</i>	E1	+	+	.	.	2
	<i>Trifolium repens</i>	E1	+	.	.	.	1
	<i>Angelica sylvestris</i>	E1	.	+	.	.	1
	<i>Lathyrus pratensis</i>	E1	.	+	.	.	1
	<i>Lotus corniculatus</i>	E1	.	+	.	.	1
	<i>Vicia cracca</i>	E1	.	+	.	.	1
	<i>Trifolium pratense</i>	E1	.	+	.	.	1
GU	<i>Galio-Urticetea, Stellarietea mediae</i>						
	<i>Lamium maculatum</i>	E1	1	+	.	.	2
	<i>Petasites hybridus</i>	E1	+	.	.	.	1
	<i>Erigeron annuus</i>	E1	.	+	.	.	1

Number of relevé (Zaporedna številka popisa)		1	2	3	4	Pr.
TR	<i>Thlaspietea rotundifolii</i>					
	<i>Stachys labiosa</i>	E1	+	+	.	.
	<i>Tussilago farfara</i>	E1	.	+	.	+
	<i>Hieracium bifidum</i>	E1	+	.	.	1
	<i>Silene vulgaris</i> subsp. <i>glareosa</i>	E1	+	.	.	1
	<i>Arabis alpina</i>	E1	.	+	.	1
	<i>Heracleum sphondylium</i> subsp. <i>pollinianum</i>	E1	.	+	.	1
	<i>Gymnocarpium robertianum</i>	E1	.	+	.	1
	<i>Achnatherum calamagrostis</i>	E1	.	.	.	1
AT	<i>Asplenietea trichomanis</i>					
	<i>Asplenium trichomanes</i>	E1	+	+	.	2
	<i>Sedum hispanicum</i>	E1	+	.	.	1
	<i>Paederota lutea</i>	E1	.	.	.	1
	<i>Phyteuma scheuchzeri</i> subsp. <i>columnae</i>	E1	.	.	.	1
	<i>Polypodium vulgare</i>	E1	.	.	.	1
ML	Mosses (Mahovi)					
	<i>Homalothecium lutescens</i>	E0	1	1	.	2
	<i>Schistidium apocarpum</i>	E0	1	1	.	1
	<i>Ctenidium molluscum</i>	E0	.	+	.	2
	<i>Brachythecium rutabulum</i>	E0	+	.	.	1
	<i>Isothecium alopecuroides</i>	E0	.	.	.	1
	<i>Tortella tortuosa</i>	E0	.	.	.	1

Legend – Legenda

- A Limestone – Apnenec
- R Chert – Roženec
- De Debris – Grušč
- Li Lithosol – Kamnišče
- Re Rendzina – Rendzina
- Pr. Presence – Number of relevés in which the species is presented
Prezenca – Število popisov, v katerih se pojavlja vrsta)