PHYTOSOCIOLOGICAL ANALYSIS OF *GLADIOLUS PALUSTRIS* SITES IN NORTHWESTERN, WESTERN AND SOUTHWESTERN SLOVENIA

FITOCENOLOŠKA OZNAKA RASTIŠČ VRSTE *GLADIOLUS PALUSTRIS* V SEVEROZAHODNI, ZAHODNI IN JUGOZAHODNI SLOVENIJI

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ABSTRACT

Phytosociological analysis of *Gladiolus palustris* sites in northwestern, western and southwestern Slovenia

With a phytosociological analysis of more than 200 relevés on more than 25 localities with *Gladiolus palustris* and (or) *G. illyricus* in western and southwestern Slovenia we identified more than 15 communities of association rank that belong to at least eight vegetation alliances and five classes. We determined that these two species can grow on the same localities and sites, but *Gladiolus palustris* flowers at least 14 days after *G. illyricus*. Another reliable distinguishing characteristic is the fibrous tunic covering the corm. *Gladiolus palustris* is threatened in most of the examined localities, except for the Banjšice Plateau and the Slavnik range in Čičarija, but the current nature conservation policy in Slovenia does not provide for its preservation.

Key words: *Gladiolus palustris, G. illyricus*, phytosociology, syntaxonomy, Natura 2000, nature conservation, Slovenia

IZVLEČEK

Fitocenološka oznaka rastišč vrste *Gladiolus palustris* v severozahodni, zahodni in jugozahodni Sloveniji

S fitocenološko analizo več kot 200 popisov na več kot 25 nahajališčih v zahodni in jugozahodni Sloveniji, na katerih uspevata vrsti *Gladiolus palustris* in (ali) *G. illyricus*, smo prepoznali več kot 15 združb na rangu asociacije, ki pripadajo vsaj osmim vegetacijskim zvezam in petim razredom. Ugotovili smo, da obe podobni vrsti lahko uspevata na skupnih nahajališčih in rastiščih, toda vrsta *Gladiolus palustris* cveti vsaj 14 dni kasneje kot vrsta *Gladiolus illyricus*. Zanesljiv znak za njuno razlikovanje so vlakna, ki obdajajo njun gomolj. Na večini preučenih nahajališč je močvirski meček ogrožen in mu zdajšnja naravovarstvena politika v Sloveniji ne zagotavlja ohranitve, izjema sta planoti Banjšice in pogorje Slavnika v Čičariji.

Ključne besede: *Gladiolus palustris, G. illyricus*, fitocenologija, sintaksonomija, Natura 2000, varstvo narave, Slovenija

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1 INTRODUCTION

Gladiolus palustris is a European species characteristic for wet meadow communities from the alliance *Molinion* (Aeschimann et al. 2004b: 1096), or a species of moist to dry pastures and shrub communities in the altitudinal zone of 100–1700 m (Colasante 2018: 61). In Slovenia it is known in all phytogeographical regions other than sub-Pannonian, but due to its similarity with *Gladiolus illyricus* its distribution has not been sufficiently investigated. Its localities and sites were presented in more detail several years ago (Seliškar 2004, Dakskobler & Seliškar 2016), but our observations were focused mainly on the research of its sites in the Alpine part of Slovenia, whereas we knew of only a few localities in other regions that were documented with herbarium specimens. In the course of our phytosociological research of dry grasslands in (north)western Slovenia, primarily in the Cerkno region, Kanalski Kolovrat with Korada and on the Banjšice Plateau, we were still able to find meadows with this gladiolus. Because its aboveground parts, leaves and inflorescence, are relatively difficult to distinguish from similar *G. illyricus*, which has a more Mediterranean distribution, we decided to dig up a few specimens at the localities known to us, where its populations are vital and there are still a sufficient number of specimens. These specimens served us to reliably identify the species and preserve the specimens in the herbarium collection of LJS. We also made a phytosociological inventory of the localities known to us. With our research, which was expanded to include southwestern Slovenia, we wanted to determine the following:

Which morphological traits reliably discriminate between *Gladiolus palustris* and *G. illyricus*?

Can both species occur on the same localities and in the same plant communities?

If so, do they have different flowering seasons?

In which plant communities within the study area do these species co-occur?

2 METHODS

Phytosociological records (relevés) of (sub)montane and altimontane meadows were made using the standard Central-European phytosociological method (Braun-Blanquet 1964) and entered into the FloVegSi database (T. Seliškar, Vreš & A. Seliškar 1993). We transformed the combined cover-abundance values to numerical values (1– 9) according to van der Maarel (1979). Numerical comparisons were performed with the SYN-TAX 2000 program package (Podani 2001). The relevés were compared by means of "(unweighted) average linkage method" – UPGMA, using Wishart's similarity ratio. The nomenclatural sources for the names of vascular plants are the Mala flora Slovenije (Martinčič et al. 2007) and FloVegSi database (T. Seliškar, Vreš & A. Seliškar 1993), Martinčič (2003) for the names of mosses, and Šilc & Čarni (2012) for the names of syntaxa. In the classification of species into phytosociological groups (groups of diagnostic species) we mainly refer to the Flora alpina (Aeschimann et al. 2004a,b,c). Geographic coordinates of relevés are presented in Slovenian national coordinate system D48 (zone 5) on the Bessel ellipsoid and with Gauss-Krüger projection.

We counted the number of flowers or fruits per inflorescence for both species (on the herbarium specimens and photographs) on site and subsequently in the laboratory. Most of the *Gladiolus palustris* flowers were counted on one locality (Banjšice, under the ridge of Sleme–Kamerač) on 30 June 2020. For other localities we counted the flowers mainly on herbarium specimens and our photographs. The number of flowers (fruits) of *Gladiolus illyricus* was counted mainly on herbarium specimens and the photographs available to us.

2.1 Short ecological description of the study area

The study area comprised the Cerkno and Idrija Hills, Trnovo Forest Plateau, Nanos and Čičarija, and we also took into account the relevés from the slopes of Breginjski Stol, Bohinj and the outskirts of Bled. Climate differences in this area are considerable. Pre-Alpine Slovenia has a humid climate with mean annual precipitation of more than 2,000 mm and mean annual temperature of 6–8 °C. The climate on the Banjšice Plateau, on the ridge of Kanalski Kolovrat and on the plateaus of SW Slovenia, is relatively humid, but slightly warmer, with the mean annual temperature not exceeding 9 °C. Mean annual precipitation, on the other hand, is slightly lower (1,600–2,000 mm) – Cegnar

(1998), B. Zupančič (1998). The parent material is usually limestone, dolomite, limestone and marlstone, flysch, in places also alluvial deposits and glacial material (Buser 2009). Some data on soil characteristics on some of the sampled grasslands were summarized from Verbič et al. (2020).

3 RESULTS

3.1 Overview of *Gladiolus palustris* localities in which we collected specimens for LJS herbarium

Note: all UTM quadrats are in zone 33T; the description of the locality is followed by relevé ID in the FloVegSi database or the sheet number in the Herbarium of the Institute of Biology of ZRC SAZU (LJS).

9746/2 (UM72) Slovenia, Primorska, Breginjski Kot, under the ridge Puntarčič–Njivca near Mt. Breginjski Stol, Na Kuclju, former hayfields, 1135 m a. s.l. Leg et det. I. Dakskobler, 10. 7. 2015 **(LJS 12106).**

9849/4 (VM11) Slovenia, Primorska, Bukovo, Ravna Njiva under Mt. Kojca, 865 m a.s.l. dry meadow. Leg. I. Dakskobler, 13. 7. 2017, det. A. Seliškar, B. Vreš & I. Dakskobler, 22. 1. 2020 (**269671**).

9849/4 (VM10) Slovenia, Primorska, Bukovo, Rodne, 630 m a.s.l., abandoned hayfield. Leg. I. Dakskobler, 12. 6. 2018, det. A. Seliškar, B. Vreš & I. Dakskobler, 22. 1. 2020 (**273820**).

9949/1 (VM10) Slovenia, Primorska, Dolenja Trebuša, Utrški Vrh, near Rob homestead, 775 m a.s.l., abandoned hayfield. Leg. I. Dakskobler, 17. 6. 2019, det. A. Seliškar, B. Vreš & I. Dakskobler, 22. 1. 2020 **(LJS 12097).**

9949/1 (VM10) Slovenija, Primorska, Dolenja Trebuša, Utrški Vrh, near Rob homestaed, 790 m a.s.l., abandoned hayfields. Leg. I. Dakskobler, 17. 6. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12098).**

9948/3 (UM90) Slovenia, Primorska, Banjšice, northern slopes of the ridge Sleme-Kamerač, 715 m a.s.l., meadow. Leg. I. Dakskobler, 2. 7. 2019, det. A. Seliškar, 22. 1. 2020 (**LJS 121092**).

9948/3 (UM90) Slovenia, Primorska, Banjšice, northern slopes of Sleme, towards Kamerač, meadow, 780 m a.s.l. Leg. I. Dakskobler, 2. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12110).**

9948/3 (UM90) Slovenia, Primorska, Banjšice, Sleme, towards Kamerač, meadow, 770 m a.s.l. Leg. I. Dakskobler, 2. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12107).**

9948/3 (UL99) Slovenia, Primorska, Banjšice, southern slopes of Sleme, pasture, 770 m a.s.l. Leg. I. Dakskobler, 2. 7. 2019, det. A. Seliškar, B. Vreš & I. Dakskobler, 22. 1. 2020 **(LJS 12029).**

9948/3 (UL99) Slovenia, Primorska, Banjšice, Bate, southwestern slopes of Sleme, pasture, 770 m a.s.l. Leg. et det. A. Seliškar, B. Vreš & I. Dakskobler, 30. 6. 2020 **(LJS 12138-12139).**

9948/1 (UM90) Slovenia, Banjšice, Kamerač, pasture, shrubs, 760 m a.s.l. Leg. et det. I. Dakskobler, A. Seliškar & B. Vreš, 30. 6. 2020 **(LJS 12140)**.

9947/1 (UM80) Slovenia, Primorska, Korada, in the vicinity of the church of St. Genderca (Jedrt, Gertruda), meadow, 800 m a.s.l. Leg. I. Dakskobler, 8. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12101)**; leg. et det. A. Seliškar, B. Vreš & I. Dakskobler, 30. 6. 2020 **(LJS 12136).**

9947/1 (UM80) Slovenia, Primorska, Korada – Vrh Dolin, meadow, 735 m a.s.l. Leg. I. Dakskobler, 8. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12099**); leg. et det. I. Dakskobler, A. Seliškar & B. Vreš, 30. 6. 2020 **(LJS 12132-12134)**.

9650/2 (VM33) Slovenia, Gorenjska, Zasip, Brje, *Pinus sylvestris* community, 450 m a.s.l. Leg. I. Dakskobler & P. Glasnović, 5. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12103).**

9650/2 (VM33) Slovenia, Gorenjska, Zasip, Brje, abandoned meadow, 450 m a.s.l. Leg. I. Dakskobler & P. Glasnović, 5. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12102).**

9650/2 (VM33) Slovenia, Gorenjska, Podhom, on the border of a fen (*Schoenetum nigricantis*), 525 m a.s.l. Leg. I. Dakskobler & B. Surina, 3. 7. 2019, det. A. Seliškar, 22. 1. 2020 **(LJS 12104).**

9849/4 (VM10) Slovenia, Primorska, Reka, Na Logu, meadow under the church of St. Ivan, 330 m a.s.l. Leg. et det. I. Dakskobler, 26. 6. 2020 (**281784**).

9947/4 (UL99) Slovenia, Primorska, Banjšice, Dragovica, south of the hill Rebro, 720 m a.s.l. dry meadow. Leg. et det. I. Dakskobler, 1. 7. 2020 **(LJS 12117).**

9948/3 (UL99) Slovenia, Primorska, Banjšice, Podlaka, Mulik under Kuk, meadow, 710 m a.s.l. Leg. et det. I. Dakskobler, 1. 7. 2020 **(LJS 12115).**

9948/3 (UL99) Slovenia, Primorska, Banjšice, Madoni, Visoko, meadow, 745 m a.s.l. Leg. et det. I. Dakskobler, 1. 7. 2020 **(LJS 12116).**

9948/3 (UL99) Slovenia, Primorska, Banjšice, Kuk, meadow, 775 m a.s.l. Leg. et det. I. Dakskobler, 1. 7. 2020 (**283430**).

0449/4 (VL24) Slovenia, Primorska, Slavnik, meadow, 940 m a.s.l. Leg. et det. I. Dakskobler & V. Babij, 10. 7. 2020 **(LJS 12113).**

0449/4 (VL24) Slovenia, Primorska, Slavnik, meadow, 950 m a.s.l. Leg. et det. I. Dakskobler & V. Babij, 10. 7. 2020 **(LJS 12112).**

0049/3 (VL18) Slovenia, Primorska, Trnovski Gozd plateau, Mala Gora, abandoned hayfields, 1015 m a.s.l. Leg. et det. I. Dakskobler, 17. 7. 2020 **(LJS 12125).**

0049/3 (VL18) Slovenia, Primorska, Trnovski Gozd plateau, Mala Gora, abandoned hayfields, 1025 m a.s.l. Leg. et det. I. Dakskobler, 17. 7. 2020 **(LJS 12126).**

0550/1 (VL23) Slovenia, Primorska, under Griža near Mt. Oštrič, pasture with shrubs, 950 m a.s.l. Leg. et det. I. Dakskobler, 21. 7. 2020 **(LJS 12128).**

0550/1 (VL23) Slovenia, Primorska, under Griža near Mt. Oštrič, pasture with shrubs, 970 m a.s.l. Leg. et det. I. Dakskobler, 21. 7. 2020 **(LJS 12127).**

9948/2 (VM00) Slovenia, Primorska, Dolenja Trebuša, on the right bank of the Kozjek under Dolc homestead, open mixed forest, 320 m a.s.l. Leg. et det. I. Dakskobler, 2. 7. 2020 **(LJS 12119).**

9948/2 (VM00) Slovenia, Primorska, Dolenja Trebuša, on the left bank of the Kozjek near Presečar homestead and rivulet Vojnačeva Grapa, open mixed forest, 230 m a.s.l. Leg. et det. I. Dakskobler, 2. 7. 2020 **(LJS 12119).**

9849/2 (VM11) Slovenia, Primorska, Jesenica, Vrh Ravni, meadow under hill Na Krogu, 880 m a.s.l. Leg. et det. I. Dakskobler, 8. 7. 2020 **(LJS 12114).**

Based exclusively on photographic material and the flowering season we identified *Gladiolus palustris* also on the following localities:

9947/2 (UM90) Slovenia, Kanalski Kolovrat, Zajavorce, between the hills St. Jakob and Vrh, 700 m a.s.l. Det. I. Dakskobler, 9. 7. 2003.

0047/2 (UL99) Slovenia, Primorska, Goriška Brda, Sabotin, stony grassland, 600 m a.s.l. Det. I. Dakskobler, 1. 7. 2013 (see also Poldini 2009).

9947/4 (UL99) Slovenia, Primorska, Sabotin ridge above the Soča Valley, stony grassland, 420 m a.s.l. Det. I. Dakskobler, 1. 7. 2013.

9949/2 (VM10) Slovenia, Šebrelje, Lovski dom (hunting cottage), meadow, 780 m a.s.l. *Gladiolus palustris* was recorded on this locality by G. Podgornik on 12. 7. 2002 (herbarium of G. Podgornik), but was not found on our visit on 26. 6. 2020.

In order to compare and discriminate between these very similar species we collected herbarium material also for *Gladiolus illyricus*, namely on the following localities:

9949/3 (VL19): Slovenia, Primorska, Vojsko, near Ogalce, above the road towards the Partizanska Tiskarna (partisan printing house), species rich meadow, 1035 m a.s.l. Leg. et det. I. Dakskobler, 25. 6. 2015 (**259025**).

9852/4 (VM60): Slovenia, surroundings of Ljubljana, Kleče, Roje (Dovjež) near the Sava River, meadow, 300 m a.s.l. Leg. et det. I. & L. Dakskobler, 31. 5. 2020 (**281308**).

9947/1 (UM80): Slovenia, Primorska, Korada – Vrh Dolin, central part of the meadow, 730 m a.s.l. Leg. et det I. Dakskobler, 16. 6. 2020 and B. Vreš, A. Seliškar & I. Dakskobler, 30. 6. 2020 (**LJS 12131**).

9947/1 (UM80): Slovenia, Primorska, Korada, between the church of St. Genderca (Jedrt, Gertruda) and the top of the hill, meadow, 730 m a.s.l. Leg. et det I. Dakskobler, 16. 6. 2020 (**283451**).

0250/1(VL27) Slovenia, Primorska, Nanos, abandoned hayfields, 800 m a.s.l. Leg. et det. I. Dakskobler, 13. 7. 2020 (**LJS 12120**).

0250/1 (VL27) Slovenia, Primorska, Nanos, Dolenja Ravan, stony grassland, 920 m a.s.l. Leg. et det. I. Dakskobler, 13. 7. 2020 (**LJS 12111**).

0150/1 (VL28): Slovenija, Primorska, Malo Polje, Križna Gora above Col, abandoned hayfields, 945 m a.s.l. Leg. et det. I. Dakskobler, 13. 7. 2020 (**283614**).

0150/1 (VL28): Slovenia, Primorska, Malo Polje, Križna Gora above Col, dry meadow, 940 m a.s.l. Leg. et det. I. Dakskobler, 13. 7. 2020 **(LJS 12121).**

0049/3 (VL18) Slovenia, Primorska, Trnovski Gozd, Mala Gora, abandoned hayfields, 1015 m a.s.l. Leg. et det. I. Dakskobler, 17. 7. 2020 **(LJS 12123).**

0049/3 (VL18) Slovenia, Primorska, Trnovski Gozd, Mala Gora, abandoned hayfields, 1025 m a.s.l. Leg. et det. I. Dakskobler, 17. 7. 2020 **(LJS 12124).**

0550/1 (VL23) Slovenia, Primorska, under Griža near Mt. Oštrič, pasture with shrubs, 950 m a.s.l. Leg. et det. I. Dakskobler, 21. 7. 2020 **(LJS 12129).**

0550/1 (VL23) Slovenia, Primorska, under Griža near Mt. Oštrič, pasture with shrubs, 970 m a.s.l. Leg. et det. I. Dakskobler, 21. 7. 2020 **(LJS 12130).**

The comparison of both lists (localities of *Gladiolus palustris* and localities of *Gladiolus illyricus*) shows that the two species co-occur on three localities: Korada – Vrh Dolin, Mala Gora in the Čaven Mts. and Griža near Mt. Oštrič in Čičarija – this is where we recorded both species on the same sample plots. When we were there in the summer of 2020 *Gladiolus palustris* was still in bloom, but *Gladiolus illyricus* had already started to form fruits. We visited Vrh Dolin at Korada twice; on 16.6.2020 we saw flowering specimens of *Gladiolus illyricus* and on 30.6.2020 abundantly

flowering *Gladiolus palustris*, with *Gladiolus illyricus* already forming fruits. We find that on shared localities, or at similar altitudes and similar sites, *Gladiolus illyricus* flowers at least two week before *Gladiolus palustris*. The flowering season also helped us to identify the gladioli on some of the localities recorded in previous years, where the plants were only photographed, but not dug up.

3.2 Morphological characteristics of *Gladiolus palustris* and *G. illyricus*, their distribution in Slovenia and our observations

Our identification of gladiolus flowers was based on the descriptions published in relevant literature.

Wraber (2007: 755) listed the following discriminating characters: *Gladiolus palustris*: "inflorescence with not more than six flowers, distinctly one-sided. Corm tunics consisting of firm, netted fibres"; *Gladiolus illyricus*: "inflorescence with 3–20 flowers, more or less distichous. Corm tunics consisting of thin, parallel fibres".

Colosante (2018) lists the following differences that do not entirely match Wraber's description (ibid.): *Gladiolus illyricus:* ovoid corm (ca. 2.3 x 1.8 cm) with thick, parallel fibres that are weakly netted and frayed towards the top; cataphylls with tawny-coloured veins; flowers 5–6, in a distichous loose spike; each flower almost divided into two parts: three overlapping wider upper segments, and three lower, all reddish-purple; the lateral tepals shorter than the bright purple dorsal one; the lower tepals subequal to the upper ones, but narrower blade with a whitish lanceolate spot and long claw".

Gladiolus palustris: "corm ca. 2 cm wide, ovoid, enclosed in tawny-coloured tunics consisting of rough fibres, clearly netted towards the top; brownish-veined cataphylls; flowers 3–5 (rarely 6 or 7), reddish-purple, a little paler inside and towards the base of the perigon; 3+3 unequal segments grouped into upper and lower tepals: the larger dorsal tepal (ca. 2.7

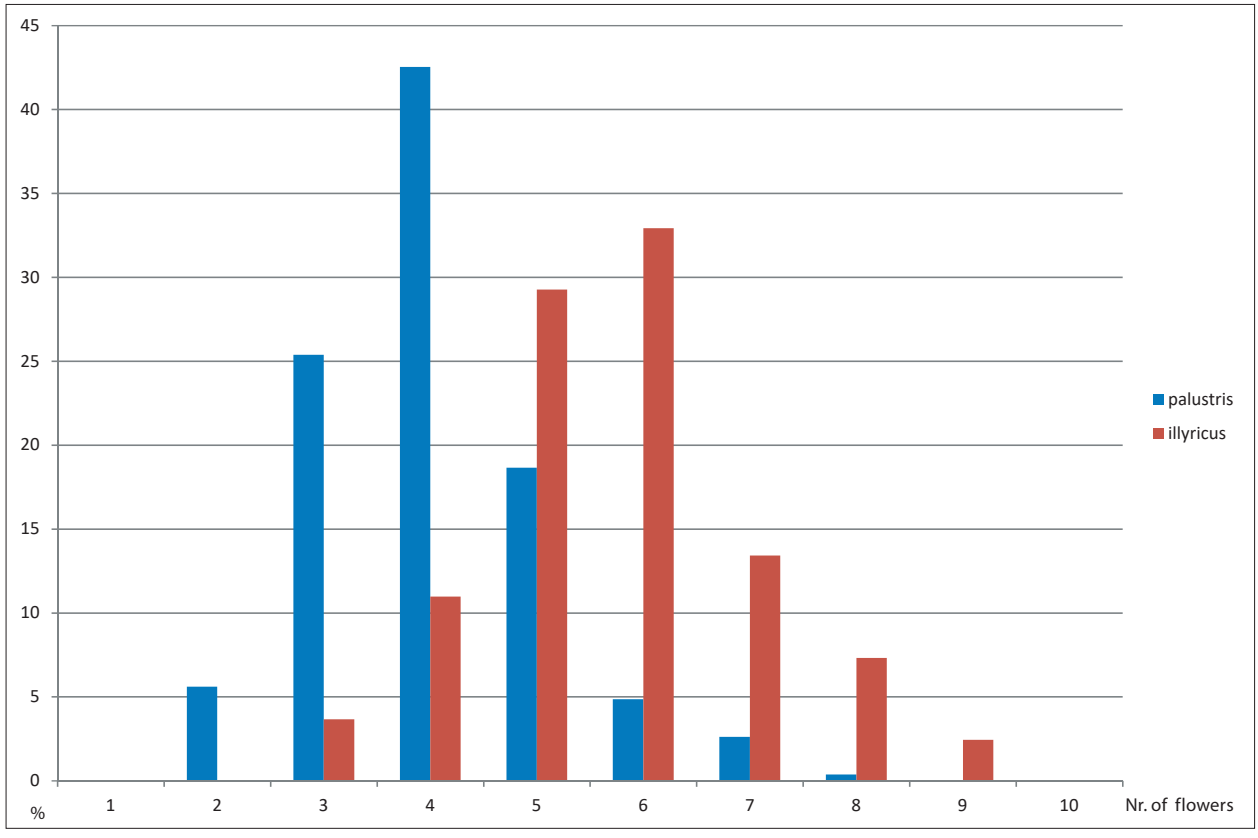

Figure 1: Comparison of the number of flowers per inflorescence in Gladiolus palustris (N = 268) and G. illyricus (N = 82) in percentage relative to the specimen count for each species.
Slika 1: Primerjava števila cvetov v socvetju med močvirskim (Gladiolus palustris; N = 268) in ilirskim mečkom (G. illyricus; N = 82); prikazana je v deležih glede na preštete osebke za vsako vrsto.

x 1.6 cm) encloses the upper lateral tepals (ca. 2.5 x 1.6 cm), which are wider in their rhombic-ovate upper half, narrower in the lower half and in the claw; lower tepals (ca. 2.8 x 0.8 cm) longer than the upper ones, with the median tepal wider and shorter, rhombic-ovate, and the lateral tepals rhombic (ca. 3.5 x 1.1 cm); all three lower tepals narrow for two-thirds of their length and, bearing on the median line a whitish spot outlined in purple".

Because their morphological characters partly overlap the differences in the form of flowers are negligible, so further research is requried. We observed (2) 3-5 (6-8) flowers in the inflorescence of *Gladiolus palustris* (4 on average) and (3-4) 5-7 (8-9) – 6 on average in *G. illyricus*. This is illustrated in Figure 1. Our findings are consistent with Colasante's observations (2018), whereas Wraber (2007: 755) reports a considerably wider variation in the number of flowers in *Gladiolus illyricus*, namely 3–20. The maximum number of flowers he reports (20) is probably an error or reference to other determination keys where this number of flowers is reported for the *G. illyricus* group, for example, which includes also *G. communis* with 10–20 flowers (Hamilton 1980: 101), or for its hybrids or cultivars *G.* x *hortulans* („*G.* x *gandavensis*") (Fischer & al. 2008: 1041). Both last sources on *Gladiolus illyricus* report 3–10 flowers. Trčak (2017: 48) and Kirn (2020: 12) also report 3–10 flowers for *G. illyricus*.

The most apparent difference between both gladioli, in addition to the flowering season, is the corm tunic (Figure 2). The corm fibres in *Gladiolus palustris* are firmer, rougher and clearly netted, at least towards the top. The fibres of *Gladiolus illyricus* are thinner, finer, parallel and for the most part not netted.

Figure 2: Corm with tunic of Gladiolus palustris (left) and G. illyricus (right). Vrh Dolin, east of Korada, 30. 6. 2020. Photo: Andrej Seliškar.
Slika 2: Gomolj močvirskega mečka (levo) in gomolja ilirskega mečka (desno). Vrh dolin vzhodno od Korade, 30. 6. 2020. Foto: Andrej Seliškar.

Based on our classification of the herbarium material collected in recent years we made a distribution map for both gladioli in Slovenia, but it is still very incomplete. It is based on the data published by T. Wraber (1975), Jogan et al. (2001) and Accetto (2002, 2010), and on the data in the FloVegSi database (Seliškar et al. 2003).

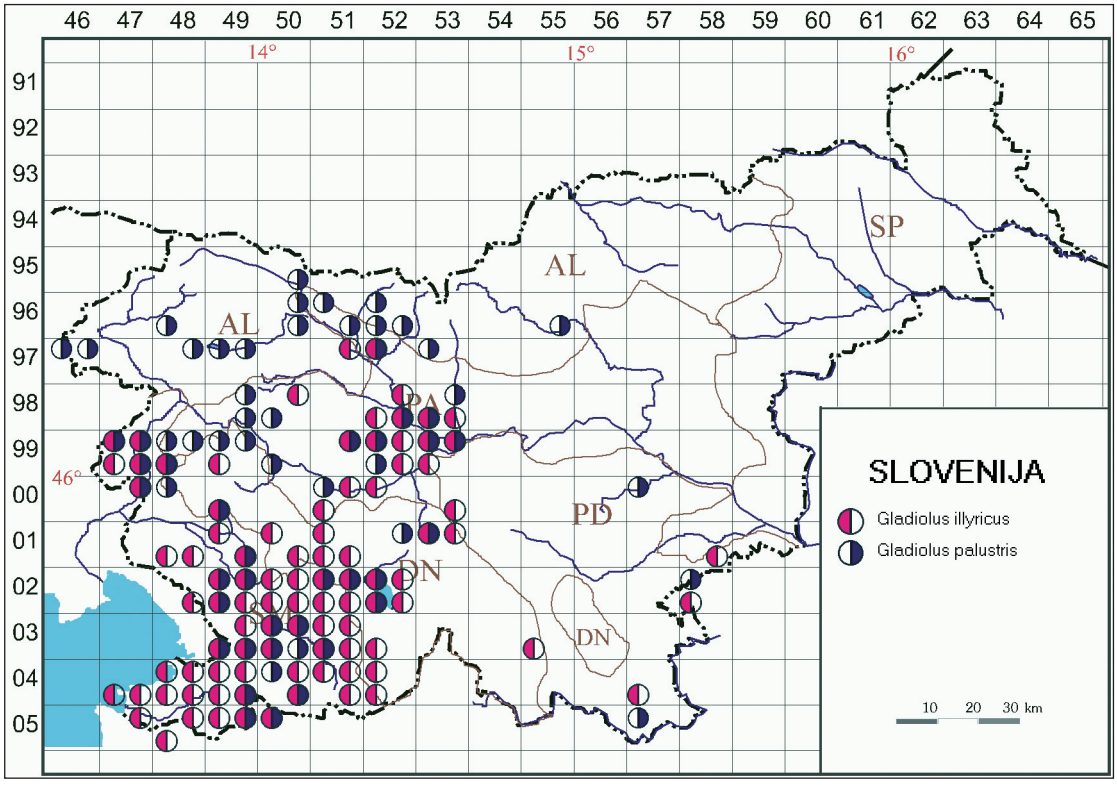

Figure 3: Distribution of Gladiolus palustris and G. illyricus in Slovenia (Wraber 1975, Jogan et al. 2001 and the FloVegSi database – T. Seliškar, Vreš & A. Seliškar 2003).
Slika 3: Razširjenost ilirskega in močvirskega mečka v Sloveniji (Wraber 1975, Jogan et al. 2001 in podatkovna baza FloVegSi – T. Seliškar, Vreš & A. Seliškar 2003).

3.3 Phytosociological description of sites of *Gladiolus palustris* and comparison with the sites of *Gladiolus illyricus*

We exported 203 phytosociological relevés with either *Gladiolus palustris* or *G. illyricus*, or both, from the FloVegSi database into Excel. We focused on the relevés from the Primorska region (western, southwestern Slovenia) and added several relevés from Bohinj and the outskirts of Bled. Several years ago we conducted a phytosociological study of several Alpine sites of *Gladiolus palustris* and classified them into associations *Centaureo julici-Laserpitietum sileris* and *Pediculari julici-Bromopsietum transsilvanicae* (Dakskobler & Seliškar 2016). In our analysis we took into account only ten relevés from Breginjski Kot (under Mt. Muzec), which we had processed at the time. Our decision was based on the fact that we researched similar communities in the same area in the following years, under the Puntračič–Njivca ridge, closer to Breginjski Stol (Figure 4), so we are now able to present a table of the community with *Gladiolus palustris* in the Slovenian part of these mountains. With hierarchical classification (Figure 5) we divided the relevés according to their floristic similarity into nine clusters and subsequently into nine phytosociological tables. After arranging them into groups of diagnostic species (phytosociological groups) we were able to classify most of the recorded communities in a syntaxonomic system, i.e. into specific syntaxa at the rank of association, subassociation or variant.

3.3.1 Overview of described syntaxa with nomenclatural types of new syntaxa and an indication of which of the two *Gladiolus* species occurs within them

Scheuchzerio palustris-Caricetea nigrae Tx. 1937 nom. mut.
Caricetalia davallianae Br.-Bl. 1949
Caricion davallianae Klika 1934
Molinio caeruleae-Caricetum hostianae Trinajstić 2002 (*Gladiolus palustris*)
Elyno-Seslerietea Br.-Bl. 1948
Seslerietalia coeruleae Br.-Bl. in Br.-Bl. et Jenny 1926
Caricion austroalpinae Sutter 1962
Centaureo julici-Laserpitietum sileris Dakskobler in Dakskobler et Poldini 2012
gladioletosum palustris Dakskobler et Seliškar 2016 (*Gladiolus palustris*)
Festuco-Brometea Br.-Bl. et Tx. ex Soó 1947
Brachypodietalia pinnati Korneck 1974 (*Brometalia erecti* Koch 1926 nom. ambig.)
Bromion erecti Koch 1926
Bromo-Danthonietum calycinae Šugar 1973 (*Gladiolus palustris*)
molinietosum arundinaceae subass. nov. hoc loco (nomenclatural type, *holotypus,* relevé 12 in Table 6).
var. *Nardus stricta*

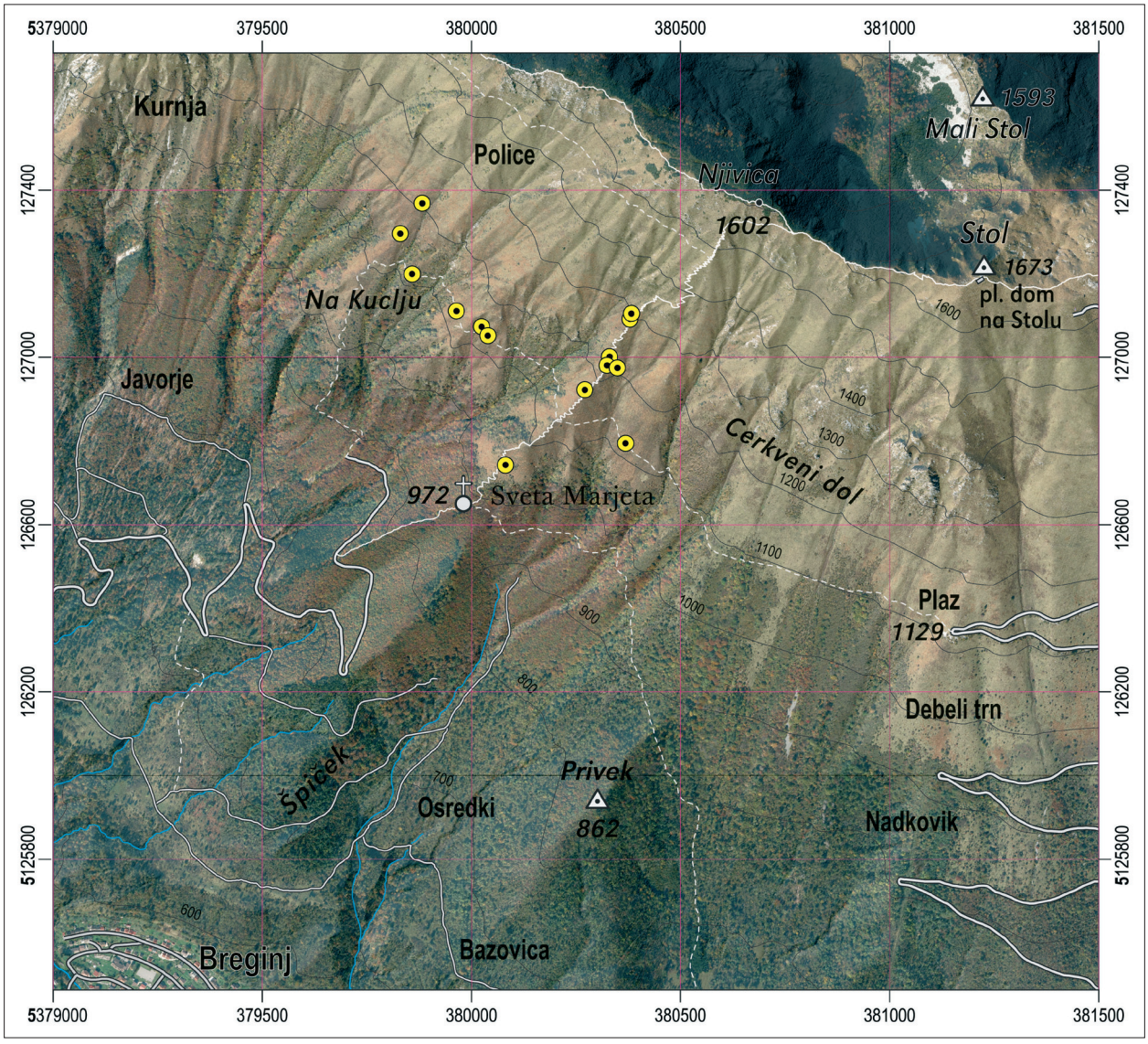

Figure 4: Localities of Gladiolus palustris on abandoned hayfields under the ridge Puntračič–Njivca in the Breginjski Stol Mts.
Slika 4: Nahajališča vrste Gladiolus palustris na nekdanjih senožetih pod grebenom Puntračič–Njivca v Stolovem grebenu

var. *Carex humilis*
Onobrychido viciifoliae-Brometum erecti T. Müller (*Gladiolus illyricus*)
Scorzoneretalia villosae Kovačević 1959
Scorzonerion villosae Horvatić ex Kovačević 1959
Danthonio-Scorzoneretum villosae Horvat et Horvatić in Horvatić 1963 (*Gladiolus palustris* and *G. illyricus*)
molinietosum arundinaceae subass. nov. hoc loco (nomenclatural type, *holotypus*, relevé 7 in Table 2) – *Gladiolus palustris* and *G. illyricus*
var. *Danthonia decumbens* (*Gladiolus palustris* and rarely also *G. illyricus*).
holcetosum lanati nom. prov. (only *G. illyricus*)
var. *Asphodelus albus*
cirsietosum pannonicae Poldini ex Kaligarič et Poldini 1997 (only *G. illyricus*)
var. *Gladiolus illyricus*
Brachypodio rupestris-Asphodeletum albi nom. prov. (*Gladiolus palustris*)
Hypochoeridenion maculatae (Horvatić 1973) Poldini et Feoli Chiapella in Feoli Chiapella et Poldini 1993
Gladiolo palustris-Molinietum arundinaceae Poldini et Feoli Chiapella in Feoli Chiapella et Poldini 1993 (*Gladiolus palustris*)
var. *Festuca nigrescens*
var. *Filipendula vulgaris*
var. *Calamagrostis varia*
Saturejion subspicatae Tomić-Stanković 1970
Carici humilis-Centaureetum rupestris Horvat et Horvatić 1934
gladioletosum nom. prov. (*Gladiolus illyricus, G. palustris*)
var. *Festuca rupicola*
subvar. *Scorzonera villosa*
var. *Satureja liburnica*
subvar. *Juniperus communis*
var. *Dorycnium herbaceum*
subvar. *Asphodelus albus*
var. *Iris erirrhiza*
subvar. *Aconitum variegatum*
subvar. *Asphodelus albus*
Genisto sericeae-Seslerietum kalnikensis Poldini 1980 (*Gladiolus palustris*)
ericetosum carneae subass. nov. hoc loco (nomenclatural type, *holotypus,* relevé 4 in Table 5)
Molinio-Arrhenatheretea R. Tx. 1937
Molinietalia caeruleae Koch 1926
Molinion caeruleae Koch 1926

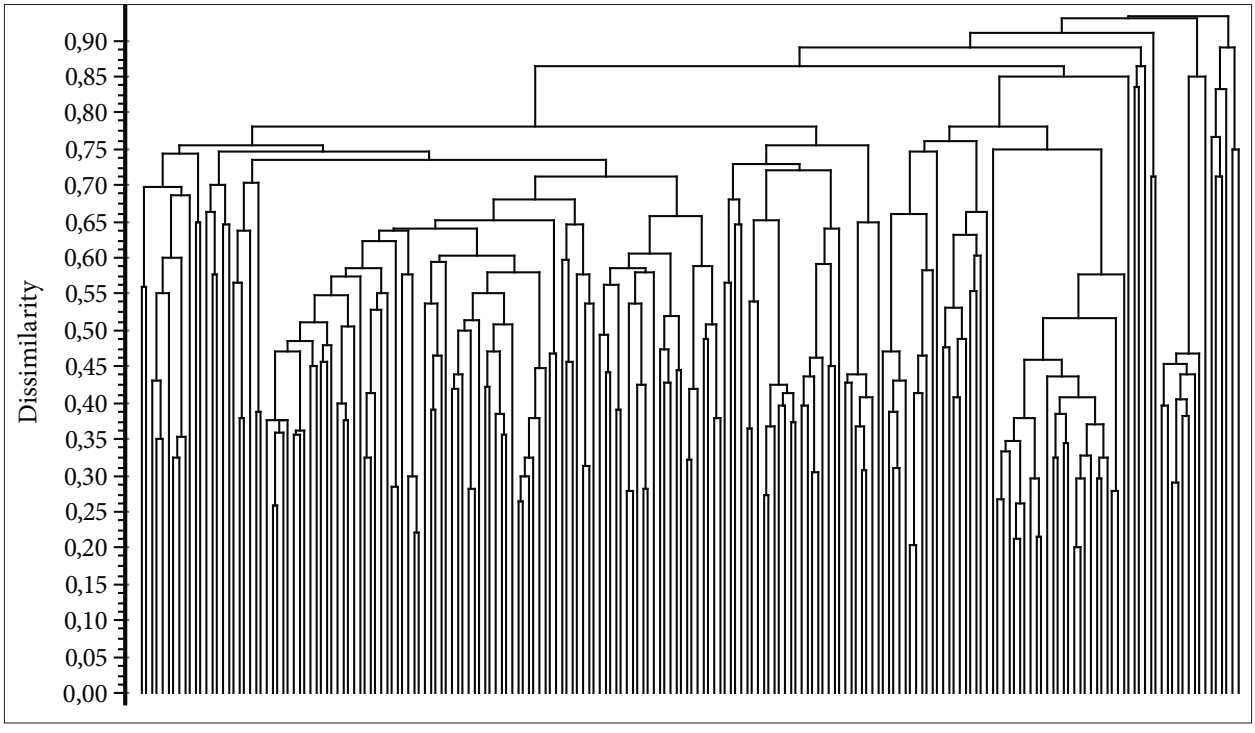

Figure 5: Dendrogram of relevés of communities with Gladiolus palustris and (or) Gladiolus illyricus in northwestern, western and southwestern Slovenia, UPGMA, similarity ratio. Principal groups (clusters) correspond to described syntaxa.
Slika 5: Dendrogram popisov združb z vrstama Gladiolus palustris in (ali) Gladiolus illyricus, v severozahodni, zahodni in jugozahodni Sloveniji UPGMA, similarity ratio. Glavne skupine ustrezajo opisanim sintaksonom.

Gladiolo palustris-Molinietum caeruleae nom. prov. (*Gladiolus palustris*)
Gladiolo palustris-Brachypodietum rupestris nom. prov. (*Gladiolus palustris*)
Schoeno nigricantis-Molinietum caeruleae Martinčič 1991 (*Gladiolus palustris*)
degradation stage with *Phragmites australis*
Plantagini altissimae-Molinietum caeruleae Marchiori et Sburlino 1982 (*Gladiolus illyricus*)
Arrhenatheretalia elatioris Tx. 1931
Arrhenatherion elatioris Luquet 1926
Rhinantho freynii-Trisetetum flavescentis Dakskobler et Seliškar 2015 (*Gladiolus illyricus*)
Querco-Fagetea sylvaticae Br.-Bl. et Vlieger in Vlieger 1937 (*Carpino-Fagetea sylvaticae* Jakucs ex Passarge 1968)
Fagetalia sylvaticae Pawłowski 1928
Aremonio-Fagion (Horvat 1950) Borhidi in Török et al. 1989
Hacquetio-Fagetum Ž. Košir 1962 (*Gladiolus palustris*)
molinietosum arundinaceae nom. prov.
Quercetalia pubescenti-petraeae Klika 1933
Fraxino orni-Ostryion carpinifoliae Tomažič 1940
Molinio arundinaceae-Ostryetum carpinifoliae nom. prov. (*Galadiolus plaustris*)
Carpinion orientalis Horvat 1958
Amelanchiero-Ostryetum Poldini (1978) 1982 (*Gladiolus illyricus*)
Erico-Pinetea Horvat 1959
Erico-Pinetalia Horvat 1959
Fraxino orni-Pinion nigrae-sylvestris Zupančič 2007
Brachypodio-Pinetum sylvestris Zupančič et Žagar 1997 (*Gladiolus palustris*)

3.3.2 Short description of determined communities

3.3.2.1 Sub-Mediterranean grasslands from the order *Scorzoneretalia villosae*

Table 1 comprises relevés which grouped according to floristic similarity and were made in the Brkini Hills, the Vrhe Plateau between Karst and Vipava Valley, on Kanalski Kolovrat with Korada, under Sabotin at the village of Podsabotin, in Goriška Brda, at Vrhovlje at Kožbana and on the Banjšice Plateau, mainly on flysch and eutric brown soils, in places on limestone admixed with marlstone. Soil analysis from the locality Vrhe-Gradišče pri Štjaku (relevé 10 in Table 1) shows: pH in KCl 4.1; pH in Ca acetate 6.4; P_2O_5 (accessible) mg/100g of soil: 2.2; K_2O (accessible) mg/100g of soil: 21. Based on the species composition and comparison with already published tables of this association in Slovenia (Poldini 1989, Kaligarič 1997, Kaligarič & Poldini 1997) we find that we have recorded different successional stages on sites of the association *Danthonio-Scorzoneretum villosae*, which are in places dominated by *Asphodelus albus.* This species indicates terrain depressions, slightly deeper and wetter soils and extensive management (single, late mowing or even abandonment of mowing, possibly periodic grazing). In these relevés, the constancy of diagnostic species of the association is only 50% or lower. Relevés 1–12 in Table 1 are classified into the provisional subassociation *holcetosum lanati* nom. prov. Its differential species are *Holcus lanatus, Anthoxanthum odoratum, Plantago media*, *Campanula rapunculus* and *Chamaespartium sagittale*. These stands comprise only *Gladiolus illyricus*, some of the relevés also *Asphodelus albus* as a special variant. Relevés 13–17 are classified into the successional stage *Brachypodio rupestris-Asphodeletum albi* nom. prov.; its differential species is also *Gladiolus palustris.* Relevés 18–21 are provisionally classified into the subassociation *cirsietosum pannonicae* Poldini ex Kaligarič et Poldini 1997 and the variant with *Gladiolus illyricus*.

Relevés 1–29 in Table 2 are classified into the new subassociation *Danthonio-Scorzoneretum villosae molinietosum arundinaceae*. The parent material is flysch or marlstone with an admixture of limestone, the soil is eutric, only in some places rendzina (soil characteristics in some of the relevés are shown in Table 2). The differential species of the subassociation are *Molinia arundinacea, Gladiolus palustris, Potentilla alba* and *Anthericum ramosum*. Some of the relevés comprise also *Gladiolus illyricus*. *Molinia arundinacea* only rarely occurs in the stands of the previously described subassociations *peucedanetosum cervariae, botriochloetosum ishaemon, rhinanthetosum glacialis, cirsietosum pannonici* and *centaureetosum rupestris* (Poldini 1989, Kaligarič 1997, Poldini & Kaligarič 1997), whereas *Gladiolus palustris* is completely absent. With their species composition the stands of the subassociation *Danthonio-Scorzoneretum villosae molinetosum arundinaceae* show certain similarity also with the stands of associations *Onobrychido arenariae-Brometum erecti* Poldini et Feoli Chiapella in Feoli Chiepalla et Poldini 1993 and *Gladiolo palustris-Molinietum arundinaceae* Poldini et Feoli Chiapella in Feoli Chiepalla et Poldini 1993 (Feoli Chieapella & Poldini 1993, Tables 6 and 7). Relevés 30–32 in Table 2 were made on levelled terrain with slightly wetter soil and are provisionally classified into the alliance *Molinion caeruleae* and association *Gladiolo palustris-Molinetum caeruleae* nom. prov. Its diagnostic species are *Gladiolus palustris, Molinia caerulea*, *Solidago virgaurea* and *Agrostis gigantea.*

Stands in Table 3 are also classified in the association *Danthonio-Scorzoneretum villosae,* although its diagnostic species are relatively rare in the relevés and predominantly occur with a constancy of about 50% or lower. The relevés were made on the Banjšice Plateau and Korada, on meadows that are still mowed, rarely on pastures, on marl with admixture of limestone and on eutric brown soils with transitions towards dystric brown soils. Some soil characteristics, besed on the locality Korada (relevé 23 in Table 3) are: pH in KCl 4.5; pH in Ca acetate 6.4; P_2O_5 (accessible) mg/100g of soil: 1.8; K_2O (accessible) mg/100g of soil: 17. In terms of species composition and sites these relevés are very similar to the stands of the subassociation *molinietosum arundinaceae*, except that its differential species, other than *Gladiolus palustris*, are less frequent here. Because of a higher frequency of certain more acidophilic species they are classified into a special variant of this subassociation: *Danthonio-Scorzoneretum villosae molinietosum arundinaceae* var. *Danthonia decumbens*. Its differential species are *Danthonia decumbens*, *Molinia caerulea, Solidago virgaurea* and *Convallaria majalis*.

Table 4 comprises relevés of different successional stages on sites of the association *Carici humilis-Centaureetum rupestris*. Their relevés were made above the Raša Valley (Ravnice), on Nanos, Križna Gora at Col, Mala Gora in the Čaven mountain range and under Griža near Mt. Oštrič. The predominant parent material is limestone, the soil is mainly rendzina. Most of the sites are former hayfields that are gradually becoming overgrown. They are still mowed only on Mt. Slavnik and on Ravnica above Raša, and some are used as horse pastures (Griža near Mt. Oštrič). Compared to preciously discussed stands of the association *Danthonio-Scorzoneretum villosae* these stands are differentiated also by the taxa *Sesleria tenuifolia* subsp. *kalnikensis* (frequent) and *S. tenuifolia* subsp. *tenuifolia* (rare). For the time being, they are classified into the provisional subassociation *Carici humilis-Centaureetum rupestris gladioletosum* nom. prov. Its differential species are *Gladiolus illyricus* (more frequent), *G. palustris* (in places occurring together with the former), *Bupleurum exaltatum* (*B. falcatum* subsp. *cernuum*), *Gentiana lutea* subsp. *symphyandra* and *Libanotis daucifolia*. We distinguish several variants – different stages of overgrowth by tall herbs and in places also by shrubs. Relevés 1–5 in Table 4 (most of them are from Križna Gora above Col) are classified into the variant with *Festuca rupicola*. The first relevé of this variant (relevé 1 in Table 4, Ravnice in the upper part of the Raša Valley) shows certain similarity with the stands of the association *Danthonio-Scorzoneretum villosae,* so it is classified into the subvariant with *Scorzonera villosa* (its differential species is also *Ferulago galbanifera*, syn. *F. campestris*). Relevés from Čičarija (Mt. Slavnik and Mt. Oštrič) are classified into the variant with *Satureja subspicata* subsp. *liburnica*. Its differential species include *Teucrium montanum, Senecio doronicum* and *Anthyllis jacquinii*. Some of the stands are being overgrown with common juniper and are therefore classified in the subvariant with *Juniperus communis* (the differential species of this subvariant are also *Coronilla vaginalis, Carex flacca, Sorbus aria,* syn. *Aira edulis, Pinus nigra* and *P. sylvestris*). *Juniperus communis* stands under Griža are slightly similar to the stands of the provisional association *Brachypodio rupestris-Juniperetum communis,* which is known also from the Banjšice Plateau (Rebro above Dragovica). Relevés from Nanos are classified into the variant with *Doryc-nium herbaceum*. They include two stands with dominant *Asphodelus albus*, which show some similarity also with the stands of the provisional association *Brachypodio rupestris-Asphodeletum albi*. Relevés from Mala Gora and two relevés from Križna Gora above Col are classified in the variant with taxon *Iris sibirica* subsp. *erirrhiza*. *Aconitum variegatum* (the differential species of the subvariant) is differential for the relevés from Mala Gora and *Asphodelus albus* (the differential species of the subvariant) is differential for the relevés from Križna Gora.

In terms of floristic composition most of the relevés (1–8) in Table 5 are similar to the stands of the association *Genisto sericeae-Seslerietum juncifoliae* Poldini 1980 (Poldini 1989, Table 67, Kaligarič 1997, Table 3). This association is differentiated from them by the presence of taxon *Sesleria kalnikensis* (*Sesleria juncifolia* subsp. *kalnikensis*), species *Gladiolus palustris* and *Erica carnea*, and geographic differential species *Phyteuma scheuchzeri* subsp. *columnae* and *Betonica alopecuros*. These relevés are classified into the new subassociation *ericetosum carneae* (with differential species *Erica carnea* and *Gladiolus palustris*). All relevés were made on the ridge of Mt. Sabotin, on stony sites with shallow rendzina. These stands are syndynamically connected with the stands of association *Amelanchiero ovalis-Ostryetum* (relevé 9 in Table 5 from the Čaven mountains, which comprises *Gladiolus illyricus*).

3.3.2.2 Grassland communities from the order *Brometalia erecti* and alliance *Bromion erecti* and communities in Table *7*

Based on the comparison with similar grassland communities elsewhere in the interior of Slovenia (presented in Škornik 2000) most of the relevés in Table 6 (rel-

evés 1–27) are classified in the association *Bromo-Danthonietum calycinae* Šugar 1973 (*Bromo-Danthonietum alpinae* Šugar 1973). Of all forms of this association as described by Šugar (1973), Trinajstič et al. (1981), Petkovšek (1974, 1978) and Škornik (2000), our stands are the most similar to the stands of the subassociation *polygaletosum chamaebuxi* Škornik 2000, both in terms of geography and site characteristics. Floristic similarity (Sørensen 1948) between our 27 relevés and 50 relevés of this subassociation is 67%, which justifies their classification in the same association, but not in the same subassociation, namely because of their site characteristics and high mean cover of certain species. For this reason they are classified into the new subassociation *molinietosum arundinaceae* subass. nov. Its differential species are *Molinia arundinacea, Gladiolus palustris, Centaurea bracteata* and *Betonica alopecuros*. The relevés were made in the Cerkno Hills at altitudes spanning 200 to 1,000 m (most of them were made in the montane belt); the parent material is dolomite, frequently with the admixture of marlstone or chert, the predominant soil type is rendzina. Relevés 1 and 2 stand out from other relevés of this association as they indicate a transition of this community towards acidophilic grasslands from the association *Polygalo vulgaris-Nardetum strictae*. Some characteristics of the soil from the locality Škofje (relevé 1 in Table 6) are: pH in KCl 3.9; pH in Ca acetate 6.2; P_2O_5 (accessible) mg/100g of soil: 2.3; K_2O (accessible) mg/100g of soil: 11. For the time being they are treated as a special variant, var. *Nardus stricta*, and the majority of other relevés as var. *Carex humilis*. Relevés 28 and 29 in Table 6 are from the outskirts of Ljubljana and are provisionally classified in the association *Onobrychido viciifoliae-Brometum erecti,* in which we recorded also *Gladiolus illyricus*.

Relevés in Table 7 were made in the Trebuša Valley, some relevés also in Bohinj. They are successional stages in the overgrowing of former grasslands (hayfields, pastures) on dolomite with admixture of marlstone or on glacial material. The soil is eutric or rendzinas. In terms of dominating species relevés 1–11 could be classified in the association *Gladiolo palustris-Molinietum arundinaceae,* which Feoli Chiapella & Poldini (1993) classify in the suballiance *Hypochoeridenion maculatae*, alliance *Scorzonerion villosae* and order *Scorzoneretalia villosae*, but our relevés comprise very few species diagnostic for these syntaxa. However, many species that have high constancy in the community they described in the Alpine foothills of Friuli were recorded also in our stands. Relevé 1 comprises a very acidophilic stand classified into var. *Arnica montana* nom. prov. (its differential species are *Festuca nigrescens, Danthonia decumbens, Arnica montana, Calluna vulgaris* and *Festuca filiformis*). Relevés 2–6 are classified into var. *Filipendula vulgaris* (differentiated also by *Campanula rotundifolia, Trifolium montanum* and *Briza media*), and relevés 7–11 are classified into var. *Calamagrostis varia* (its differential species include *Erica carnea* and *Chamaecytisus hirsutus*). Relevé 12 in Table 7 is a heavily overgrown grassland from the association *Gladiolo-Molinietum*, whose species composition is very similar to relevés 13–20 in Table 7, i.e. open stands of European hop-hornbeam, manna ash, whitebeam, sessile oak, with individual trees of Scots pine, beech, spruce and common oak, which developed through the overgrowing of former pastures above Kozijska Grapa gorge in the Trebuša Valley. These stands are provisionally classified into the association *Molinio arundinaceae-Ostryetum carpinifolia* nom. prov., whose diagnostic species include *Molinia arundinacea* and *Gladiolus palustris*. These stands are syndynamically connected with the stands of associations *Fraxino orni-Ostryetum carpinifoliae, Genisto januensis-Pinetum sylvestris, Ostryo-Fagetum* and *Hacquetio-Fagetum*, which occur in the vicinity.

3.3.2.3 Community of the alliance *Caricion austroalpinae* and class *Elyno-Seslerietea*

Table 8 comprises relevés on former hayfields on sunny slopes of the Stol ridge, under Breginjski Stol and Mt. Muzec. They were made in the altitudinal zone of 1,000–1,300 m and are classified into association *Centauro julici-Laserpitietum sileris* and subassociation *gladioletosum palustris* (Dakskobler & Seliškar 2016). The differential species of the subassociation are *Gladiolus palustris* and (primarily because of high mean cover) *Molinia arundinacea*. These tall herb stands on dolomite bedrock and rendzinas are a long-term successional stage. Mowing was abandoned there already more than 50 years ago, but overgrowing with woody vegetation is very slow. Some low-lying gullies have been completely overgrown by hazel (*Corylus avellana*), while individual European hop-hornbeam (*Ostrya carpinifolia*), whitebeam (*Sorbus aria*) and black pine (*Pinus nigra*) trees occur on more convex slopes, at higher altitudes also *Salix appendiculata* and *S. glabra*. Species from classes *Festuco-Brometea, Trifolio-Geranietea* and *Elyno-Seslerietea* are relatively equally represented in these stands. With its entire species composition this is a transitional community at the contact of montane basophilic dry grasslands with dominating *Bromopsis transsilvanica* and subalpine grasslands at and above the upper forest line with dominating *Sesleria caerulea*.

3.3.2.4 Other communities with *Gladiolus palustris* and *G. illyricus* in northwestern and western Slovenia

Table 9 comprises relevés clustered on the right side of the dendrogram in Figure 5 (hierarchical classification of all 203 relevés). These relevés are very diverse and cannot be classified into any of the plant communities listed above. Relevé 1 in Table 9 (under Dolec homestead above Kozijska Grapa in Dolenja Trebuša) is syndynamically connected with relevés 12–20 in Table 7. It characterises a forest community, a slightly open forest on dolomite with admixture of marlstone and eutric brown soils, with beech already dominating the tree layer. It is provisionally classified into the syntaxon *Hacquetio-Fagetum molinietosum arundinaceae*; its differential species is also *Gladiolus palustris*. Column 2 of the same table comprises a relevé of a stony grassland with *Gladiolus palustris* (Trnkoczy & Dakskobler 2008) by the forest road leading from Vas na Skali towards Krbulnik in the Bovec region. In terms of its species composition it is classified into the class *Festuco-Brometea* and alliance *Bromion erecti*, but as it is a transitional community between forest edge and forest it cannot be classified at the rank of association (for the same reason we did not classify it as such when it was first published). Relevé 3 in Table 9 characterises a species-rich cultivated montane meadow (Ogalce in the area of Vojsko) with *Gladiolus illyricus*. It bears some resemblance to the stands of association *Rhinantho freynii-Trisetetum flavescentis* (Dakskobler & Seliškar 2015). The stand in relevé 4 from Ukanc in Bohinj, a meadow on glacial material, is slightly similar to the stand in relevé 3, but here, the species of the class *Festuco-Brometea* slightly dominate over the species of the class *Molinio-Arrhenatheretea*, so it is classified into this class and alliance *Bromion erecti*, but it is not classified more definitively for now. It comprises also *Gladiolus palustris*. Relevés 5 and 6 were made in southwestern Slovenia in the wider area of the Brkini Hills and the Reka River valley. They represent communities of wet meadows of the alliance *Molinion caeruleae* with *Gladiolus illyricus*. Relevé 5 is classified into association *Plantagini altissimae-Molinietum caeruleae* and relevé 6 also shows similarity with the stands of this association. Relevés 7–9 in Table 9 indicate wet grasslands on hydromorphic soils on alluvial deposits or glacial material that are being overgrown with shrubs (*Frangula alnus, Ligustrum vulgare, Prunus spinosa*); they were made in Bohinj and the outskirts of Bled, already at the contact with fen communities. *Gladiolus palustris* occurs in all three stands. Relevés 7 and 8 could be classified into the alliance *Caricion davallianae* and association *Molinio caeruleae-Caricetum hostianae*, whereas relevé 9 probably belongs to the alliance *Molinion caeruleae*, provisional association *Gladiolo palustris-Brachypodietum rupestris* nom. prov. Relevé 10 in Table 9 is classified in association *Brachypodio rupestris-Pinetum sylvestris*, whose classic locality is in Brje near the village of Zasip (Zupančič & Žagar 1998, 1999). However, *Gladiolus palustris* was not reported here when this locality was first described. Relevé 11 from Mlake near Vipava could be classified into association *Schoeno nigricantis-Molinietum caeruleae* and also comprises *Gladiolus palustris*. Relevé 12 (from Podhom, also with *Gladiolus palustris*) is also provisionally classified in the same association, but it has been completely overgrown with common reed (*Phragmites australis*) and is an example of natural succession on fen margins.

4 DISCUSSION

Phytosociological analysis of relevés with *Gladiolus palustris* demonstrated considerable diversity of communities and sites where this species can occur. It was found in communities of five vegetation classes: *Festuco-Brometea*, *Molinio-Arrhenatheretea*, *Scheuchzerio-Caricetea fuscae, Erico-Pinetea* and *Querco-Fagetea* (*Carpino-Fagetea*), eight alliances: *Scorzonerion villose, Saturejion subspicatae, Molinion caeruleae, Caricion davallianae, Orno-Ostryion, Aremonio-Fagion* and *Fraxino orni-Pinion nigrae-sylvestris* (*Erico-Pinion sylvestris*), and 14 associations: *Danthonio-Scorzoneretum villosae*, *Carici humilis-Centaureetum rupestris*, *Genisto sericeae-Seslerietum kalnikensis*, *Bromo-Danthonietum calycinae*, *Brachypodio-Asphodeletum albi* nom. prov., *Gladiolo palustris-Molinietum arundinaceae*, *Gladiolo palustris-Molinieteum caeruleae* nom. prov., *Gladiolo palustris-Brachypodietum rupestris* nom. prov., *Schoeno nigricantis-Molinietum caeruleae*, *Molinio caeruleae-Caricetum hostianae, Centaureo julici-Laserpitietum sileris, Hacquetio-Fagetum, Molinio arundinaceae-Ostryetum* nom. prov. and *Brachypodio-Pinetum sylvestris*. The altitudinal range of its sites is 120 m to 1,300 m a.s.l., the parent material is either alluvium, glacial sediments (till), flysch, marlstone, dolomite, dolomite with admixture of chert and (or) marlstone, limestone or limestone with admixture of

marlstone, soil types range from hydromorphic soils, lithosol, colluvial-delluvial soils, rendzina and eutric browns soil to dystric brown soil. The most common species accompanying *Gladiolus palustris* in the studied communities are *Galium verum*, *Bromopsis erecta* s. lat. (incl. *B. condensata* and *B. transsilvanica*), *Molinia arundinacea, Peucedanum oreoselinum, Brachypodium rupestre, Potentilla erecta, Anthericum ramosum, Trifolium montanum, Buphthalmum salicifolium, Koeleria pyramidata, Thalictrum minus, Carex flacca, Inula hirta, Gymnadenia conopsea, Hypochoeris maculata, Briza media* and *Lotus corniculatus*. In terms of its adaptability to site conditions, its ability to occur in very diverse communities, *Gladiolus palustris* strongly resembles *Molinia arundinacea* and *Carex flacca*, which cannot really be associated with only one type of sites or communities as they can occur in very diverse communities and sites. Accetto (2002: 195) came to a similar conclusion when he found this species in the Gorjanci Hills, in the stands of association *Scabioso hladnikianae-Caricetum humilis* and in light (open) forest stands of association *Querco-Ostryetum carpinifoliae*.

The studied stands from northwestern, western and southwestern Slovenia can be divided applying four criteria (Table 10):

Table 10: Some localities of *Gladiolus palustris* in western and southwestern Slovenia, population vulnerability rate and proposals for protection areas
Preglednica 10: Nekatera nahajališča močvirskega mečka v zahodni in jugozahodni Sloveniji, stopnja ogroženosti populacije in predlogi za varstvena območja

	A	B	C	D	Sum (vsota) A-D	population vulnerability rate (stopnja ogroženosti populacije)	Proposal for a protection area (predlog za varstveno območje)
Banjšice-Sleme-Kamerač	1	1	1	1	4	low (nizka)	
Banjšice-Mulik	1	1	1	1	4	low (nizka)	
Banjšice-Kuk	3	1	1	1	6	low (nizka)	
Banjšice-Madoni-Visoko	1	2	2	1	6	low (nizka)	
Bukovo-Kojca	1	2	2	2	7	low (nizka)	
Reka-Na Logu	1	2	2	2	7	low (nizka)	
Šebrelje-Sv. Ivan	1	2	2	2	7	low (nizka)	
Škofje	1	2	2	2	7	low (nizka)	
Banjšice-Sleme	2	2	2	1	7	low (nizka)	yes (da)
Banjšice-Dragovica-Rebro	1	2	2	2	7	low (nizka)	yes (da)
Korada (Vrh Dolin-sv. Gendrca-vrh)	3	1	2	2	8	low (nizka)	yes (da)
Breginjski Stol (Muzec-Ribežni-Puntračič-Njivce)	5	1	2	1	9	low (nizka)	yes (da)
Bukovo-Rodne	3	2	2	2	9	medium (srednja)	
Slavnik	3	3	2	1	9	medium (srednja)	
Jesenica-Vrh Dolin	3	3	2	2	10	high (visoka)	
Mala gora (Čaven)	5	2	2	1	10	high (visoka)	
Šebrelje-Lovski dom	3	3	3	2	11	high (visoka)	
Utrški vrh-Rob	4	2	3	2	11	high (visoka)	
Banjšice-Sleme-Bate	6	2	2	1	11	high (visoka)	
Banjšice-Kamerač	7	2	2	1	12	high (visoka)	
Dolenja Trebuša-Kozjek	8	2	2	2	14	high (visoka)	
Oštrič-Griža	7	2	3	2	14	high (visoka)	

Legend
A: land use
1 meadow, late summer mowing, no autumn grazing
2 meadow, late mowing, periodic autumn grazing
3 meadow or hayfield, summer mowing, mowing abandoned in fringe areas, initial stage of overgrowing
4 recently abandoned hayfield, initial stage of overgrowing with tall herbs, individuals of woody species
5 long abandoned hayfield, dominating tall herbs, few woody species

6 pasture, periodic grazing, fringes overgrown with shrubs
7 pasture, apparent overgrowing with shrub and tree species
9 open shrub community or forest on former pastures
B: population size
1 large (several hundred specimens)
2 medium (several ten specimens)
3 small (single or not more than 10 specimens)
C: population threat level
1 small
2 medium
3 high
D: conservation status
1 locality in an area with a certain level of protection (nature park, regional park, valuable natural feature, Natura 2000 area)
2 locality in an unprotected area
Legenda
A: raba prostora
1 travnik, poznopoletna košnja, brez jesenske paše
2 travnik, pozna košnja, občasno jesenska paša
3 travnik oz. senožet, poletna košnja, v robnih delih se košnja opušča, začetki zaraščanja
4 nedavno opuščena senožet, začetki zaraščanja z visokimi steblikami, posamično lesnate rastline
5 že dolgo opuščena senožet, prevladujejo visoke steblike, lesnate rastline so še redke
6 pašnik, paša občasna, z roba zaraščanje z grmovnicami
7 pašnik, očitno zaraščanje z grmovnimi in drevesnimi vrstami
9 precej vrzelasto grmišče ali gozd na nekdanjih pašnikih
B: velikost populacije
1 velika (več sto primerkov)
2 srednja (več deset primerkov)
3 majhna (posamezno ali manj kot deset primerkov)
C: stopnja ogroženosti populacije
1 majhna
2 srednja
3 velika
D: naravovarstveni status
1 nahajališče je v območju z neko stopnjo varovanja (naravni park, regijski park, naravna vrednota, Natura 2000 območje)
2 nahajališče je v nezavarovanem območju

Based on these criteria we evaluated 22 recorded localities. Those with a smaller sum of A–D scores are less threatened and have a good chance of preserving this vulnerable species also in the future, provided that land use does not change. Localities with high A–D scores are quite threatened and survival of *Gladiolus palustris* there is very uncertain.

The only protection areas for *Gladiolus palustris* are currently in the Kamnik Alps (Seliškar 2004). Its only locality in the western Karavanke (Zabreška Planina) is on abandoned hayfields and threatened because of overgrowth (Praprotnik 2015). Several years ago we proposed a new protection area under the ridge of Breginjski Stol (under the Muzec–Ribežni–Puntračič–Njivca ridge) (Dakskobler & Seliškar 2016). In addition to confirming this proposal we now propose two new protection areas, namely the meadows on Korada (Vrh Dolin–Sv. Genderca–the peak of Korada) and meadows on the Banjšice Plateau (under Sleme and Kamerač, under Kuk, including Mulik, and under the slope of Visoko at Madoni – all of them in the priority Natura 2000 area Banjšice).

Gladiolus palustris localities on Mala Gora in the Čaven mountain range are in the landscape park Južni obronki Trnovskega gozda (Southern Fringes of the Trnovo Forest Plateau) and in Natura 2000 protected area Vipavski Rob. Successional processes on Mala Gora are relatively slow and the situation is similar to that under Breginjski Stol, but the locality on Mala Gora is much smaller than localities under Breginjski Stol and therefore also significantly more threatened. Grasslands on Slavnik are also in a Natura 2000 protection area, but protection there is also actively promoted through late summer mowing. The situation is different under Mt. Griža near Mt. Oštrič, where predominantly horses graze and the natural composition of meadows there is very threatened. Although pasture to some extent prevents overgrowth it is nevertheless questionable whether the current land use in this area provides the conditions necessary for long-term survival of *Gladiolus palustris* and *G. illyricus*.

Gladiolus palustris localities in the Cerkno Region and on the fringes of the Tolmin area (Dolenja Trebuša) are endangered. Currently, the situation is

the most favourable on extensive grasslands on Rodne, as they are mainly still being mowed, like some of the hayfields under Mt. Kojca (Ravna Njiva) and the levelled terrain of Škofje above Planina pri Cerknem. Hayfields above Jesenica (Vrh Ravni under the slope of Na Krogu in the foothills of Mt. Porezen) are still mowed, but on the steepest parts on the fringes, where *Gladiolus palustris* grows, mowing is gradually being abandoned. In the near future, mowing is likely to be abandoned also at Na Logu under Sv. Ivan (Reka). Meadows around Sv. Ivan in Šebrelje are still mowed as well as meadows above this village at the hunting lodge, but gladiolus was no longer found there in 2020. *Gladiolus palustris* perseveres above Kozijska Grapa in Dolenja Trebuša, on very specific sites on steep slopes, where succession proceeds very slowly and open shrubs and light forests still provide sufficient light for its growth.

5 CONCLUSIONS

Gladiolus palustris and *G. illyricus* are some of the most vulnerable and threatened species in the natural grasslands of Slovenia. Modern agriculture with substantial nutrient inputs and early first mowing definitely contributes to their disappearance. Abandonment of mowing on steep hayfields does not have serious short-term consequences as in the initial successional stages of overgrowth both species persevere between tall herbs and open shrubs, albeit in reduced numbers, but once the shrubs or forest canopy close this is no longer possible. Both species are often overlooked in spring meadows and we usually only see them when they bloom in early summer or later. As they both have a very similar inflorescence and flower structure it is very difficult to distinguish between them. With several visits to their sites and by digging up several plants for determination we found that they are best distinguished by the fibres enclosing the corm, on similar sites or joint localities also by the flowering season. On similar sites and in the same altitudinal zone *Gladiolus illyricus* flowers at least a fortnight before *Gladiolus palustris*. This was confirmed on three localities (Korada, Mala Gora and Griža near Mt. Oštrič), where both species grow together, in the same community and on the same site. There are probably more such shared sites and we may have recorded one species and overlooked the other, depending on the time when the relevé was taken. According to our findings, *Gladiolus illyricus* is rarer or even absent from the Alpine phytogeographical region of Slovenia. It is more frequent in central and southern Slovenia, but most of its localities are in sub-Mediterranean Slovenia. The altitudinal range of the localities spans 20 m do 1,040 m (1,130 m, Javornik in the eastern part of the Trnovo Forest Plateau, Rafko Terpin's observations, not confirmed with a herbarium sample).

Most localities of *Gladiolus palustris* are in the Alpine and pre-Alpine region of western and northwestern Slovenia, and some are scattered also in the southwest and south of the country (in the sub-Mediterranean, Dinaric and pre-Dinaric phytogeographical regions). The altitudinal range of these localities is 120 –1,300 m.

Gladiolus palustris was the most numerous on meadows where there is no grazing and mowing is delayed to August and September (meadows on the shady side of the Sleme–Kamerač ridge and Mulik under Kuk, both on the Banjšice Plateau). We find that this is the most suitable grassland management practice for this species. Also vital are its populations on late-mowed meadows that are occasionally grazed in autumn (Korada, Sleme on the Banjšice Plateau) and on some of the hayfields in the Cerkno region that are mowed in July (Škofje, Rodne, Ravna Njiva under Kojca). The population size in successional stages of overgrowth of former hayfields with tall herbs is medium, but for now still satisfactory (former hayfields under Breginjski Stol and Muzec, Mala Gora, Utrški Vrh); the situation is similar on pastures where the grazing season is very short (under Sleme – towards Bate on the Banjšice Plateau) and on pastures that are being overgrown, but still have enough open areas (Griža near Mt. Oštrič). However, as land owners of most of the researched localities (with the exception of Banjšice and Slavnik) are not encouraged to sustainably manage their agricultural land so as to promote conservation, most of the localities and sites of *Gladiolus palustris* described herein are threatened and even endangered, so it is highly questionable whether they can be preserved for generations to come if the existing practice (nature-conservation policy) continues.

6 POVZETEK

Vrsti *Gladiolus palustris* in *G. illyricus* sodita med najbolj ranljive in ogrožene rastline naravnih travnikov v Sloveniji. Sodoben način kmetovanja, znaten vnos hranil in zgodnja prva košnja, zagotovo povzročajo njuno izginotje. Opuščanje košnje na strmih senožetih kratkoročno nima tako hudih posledic, saj se vrsti v začetnih sukcesijskih stadijih zaraščanja, med visokimi steblikami in v svetlih grmiščih z zmanjšano številčnostjo še ohranjata, a ko se grmišče ali gozd skleneta, to ni več mogoče. Obe vrsti na spomladanskih travnikih pogosto spregledamo, večinoma ju opazimo le v njihovem zgodnje- do zrelo poletnem videzu. Po obliki socvetja in zgradbi cvetov sta si obe vrsti zelo podobni, razlikovanje med njima je zahtevno.

Z opazovanjem in štetjem števila cvetov oz. plodov v posameznem socvetju za obe vrsti na terenu in pozneje v laboratoriju (na herbarijskih primerkih in fotografijah), smo ugotovili da so razlike v obliki cvetov med vrstama majhne, saj se morfološki znaki delno prekrivajo, zato bodo potrebne dodatne raziskave. Število cvetov v socvetju pri močvirskem mečku je po naših opažanjih v povprečju 4 oz. v razponu (2) 3-5 (6-8), pri ilirskem pa 6, v razponu (3-4) 5-7 (8-9) – Slika 1. Naše ugotovitve se ujemajo z navedbami v literaturi (Colasante 2018, Trčak 2017), medtem ko Mala flora Slovenije (Wraber 2007) navaja znatno večji razpon v številu cvetov pri ilirskem mečku, od 3 do 20. Verjetno gre pri navedbi zgornje meje števila cvetov (20) za napako oz. povzemanje po drugih določevalnih ključih, kjer je ta razpon naveden za npr. skupino ilirskega mečka (*G. illyricus* skupina), kamor je bil vključen tudi *G. communis*.

Najbolj očitna med obema mečkoma je razlika v ovoju gomolja (slika 2). Vlakna gomolja močvirskega mečka so bolj čvrsta, groba in vsaj v zgornjem delu očitno mrežasta. Vlakna gomolja ilirskega mečka so tanjša, bolj nežna, vzporedna in večinoma ne tvorijo mrežastega prepleta.

Ugotovili smo, da ilirski meček cveti na podobnih rastiščih v istem višinskem pasu vsaj 14 dni prej kot močvirski meček. To nam potrjujejo tri nahajališča (Korada, Mala gora in Griža pri Oštriču), kjer obe vrsti uspevata skupaj, v isti združbi in na enakem rastišču. Najbrž je takih skupnih nahajališč še več in smo na njih, v odvisnosti od časa popisa, zapisali le eno vrsto, spregledali pa drugo.

Ilirski meček je po naših spoznanjih redkejši ali celo odsoten v alpskem fitogeografskem območju Slovenije, bolj pogost pa v osrednji in južni Sloveniji, z največ nahajališči v njenem submediteranskem delu. Višinski razpon nahajališč je od 20 m do 1040 m (1130 m, Javornik v vzhodnem delu Trnovskega gozda, opažanja Rafka Terpina, nimamo potrditve s herbarijskim primerkom).

Močvirski meček ima največ nahajališč v alpskem in predalpskem delu zahodne in severozahodne Slovenije, nahajališča v jugozahodni in južni Sloveniji (v submediteranskem, dinarskem in preddinarskem fitogeografskem območju) so raztresena. Višinski razpon nahajališč je od 120 m do 1300 m. Fitocenološka analiza popisov, na katerih ta vrsta uspeva, je pokazala na precejšnjo raznolikost združb in rastišč, v katerih se lahko pojavlja. Našli smo jo v združbah petih vegetacijskih razredov: *Festuco-Brometea*, *Molinio-Arrhenatheretea*, *Scheuchzerio-Caricetea fuscae, Erico-Pinetea* in *Querco-Fagetea* (*Carpino-Fagetea*), v združbah osmih zvez: *Scorzonerion villose, Saturejion subspicatae, Molinion caeruleae, Caricion davallianae, Orno-Ostryion, Aremonio-Fagion* in *Fraxino orni-Pinion nigrae-sylvestris* (*Erico-Pinion sylvestris*) in v združbah 14 asociacij: *Danthonio-Scorzoneretum villosae*, *Carici humilis-Centaureetum rupestris*, *Genisto sericeae-Seslerietum kalnikensis*, *Bromo-Danthonietum calycinae*, *Brachypodio-Asphodeletum albi* nom. prov., *Gladiolo palustris-Molinietum arundinaceae*, *Gladiolo palustris-Molinietum caeruleae* nom. prov., *Gladiolo palustris-Brachypodietum rupestris* nom. prov., *Schoeno nigricantis-Molinietum caeruleae*, *Molinio caeruleae-Caricetum hostianae, Centaureo julici-Laserpitietum sileris, Hacquetio-Fagetum, Molinio arundinaceae-Ostryetum* nom. prov. in *Brachypodio-Pinetum sylvestris*.

Najpogostejše vrste, ki rastejo v preučenih združbah z močvirskim mečkom so *Galium verum*, *Bromopsis erecta* s. lat. (incl. *B. condensata* in *B. transsilvanica*), *Molinia arundinacea, Peucedanum oreoselinum, Brachypodium rupestre, Potentilla erecta, Anthericum ramosum, Trifolium montanum, Buphthalmum salicifolium, Koeleria pyramidata, Thalictrum minus, Carex flacca, Inula hirta, Gymnadenia conopsea, Hypochoeris maculata, Briza media* in *Lotus corniculatus*. Po svoji prilagodljivosti rastiščnim razmeram, zmožnosti uspevanja v zelo raznolikih združbah, je vrsta *Gladiolus palustris* precej podobna vrstama *Molinia arundinacea* in *Carex flacca*, ki ju je zelo težko vezati samo na eno skupino rastišč oz. združb, rastejo lahko v precej raznolikih združbah in na raznolikih rastiščih.

Do zdaj so varstvena območja za ohranitev močvirskega mečka le v Kamniških Alpah (Seliškar 2004). Pred nekaj leti (Dakskobler & Seliškar 2016) smo predlagali novo varstveno območje pod grebenom Breginjskega Stola (pod grebenom Muzec–Ribežni–Puntračič–Njivca). Ta predlog v tem članku samo potrjujemo, kot novi varstveni območji pa predlagamo

tudi travnike na Koradi (Vrh dolin–sv. Genderca–vrh Korade) in travnike na Banjšicah (pod Slemenom in Kameračem, pod Kukom, vključno z uravnavo Mulik in pod vzpetino Visoko pri Madonih – vsa so v varstveno prednostnem območju Natura 2000 Banjšice).

Največjo številčnost močvirskega mečka smo ugotovili na pozno (avgusta, septembra) košenih travnikih, na katerih nikoli ne pasejo (travnika na osojni strani grebena Sleme–Kamerač in Mulik pod Kukom, oboje na Banjšicah). Sklepamo, da je ta način gospodarjenja s travišči zanj najbolj ustrezen. Vitalne so tudi njegove populacije na pozno košenih travnikih, kjer občasno jeseni tudi pasejo (Korada, Sleme na Banjšicah), podobno na nekaterih v juliju košenih senožetih na Cerkljanskem (Škofje, Rodne, Ravna njiva pod Kojco). V sukcesijskih stadijih zaraščanja nekdanjih senožeti z visokimi steblikami je številčnost srednja, a za zdaj še zadovoljiva (nekdanje senožeti pod Breginjskim Stolom in Muzcem, Mala gora, Utrški vrh), podobno tudi na pašnikih, kjer pasejo le manjši del leta (pod Slemenom – proti Batam na Banjšicah), ali na pašnikih v zaraščanju, kjer je še dovolj odprtih površin (Griža pri Ostriču). Ker pa v večini raziskanih nahajališč (z izjemo Banjšic in Slavnika) lastniki zemljišč niso v ničemer (ali skoraj ničemer) spodbujeni k ohranitveni rabi svojih kmetijskih površin, je večina v tem članku opisanih nahajališč in rastišč močvirskega mečka ogrožena ali celo zelo ogrožena in zelo vprašljivo je, če jih bomo s zdajšnjimi pristopi (naravovarstveno politiko) ohranili zanamcem.

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Preglednica 1: ***Danthonio-Scorzoneretum villosae holcetosum lanati*** **nom. prov.,** ***Brachypodio-Asphodeletum albi*** **nom. prov.**

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Database number of relevé (Številka popisa v podatkovni bazi)		261343	261347	263623	263622	263631	263637	263635	261345	248202	251290	205918	205921	205920	212352	277831	283457	283469	205922	225051	225054	238277
Elevation in m (Nadmorska višina v m)		520	515	515	515	700	710	690	505	599	580	650	720	700	730	720	745	760	470	125	120	440
Aspect (Lega)		SE	SE	SW	S	SW	SW	SW	NW	0	NE	S	SE	SW	NW	S	SSE	NE	SEE	SW	SW	SW
Slope in degrees (Nagib v stopinjah)		10	10	5	5	5	5	5	5	0	10	5	5	10	10	5	10	5	20	10	15	10
Parent material (Matična podlaga)		Fl	Fl	Fl	Fl	Fl	AFl	AFl	Fl	AFl	AFl	L	L	L	L	AL	AL	AL	L	Fl	Fl	Fl
Soil (Tla)		Eu	Eu	Eu	Eu	Eu	Eu	Re	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu
Stoniness in % (Kamnitost v %)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cover in % (Zastiranje v %):																						
Shrub layer (Grmovna plast)	E2	.	.	.	.	.	.	.	.	.	.	.	.	10	.	.	10	30	.	.	.	.
Herb layer (Zeliščna plast)	E1	100	100	100	100	100	100	100	100	95	100	100	100	100	100	100	90	90	100	100	100	100
Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.	.	5	.	.	.	.	.	.	.	.	.	.	.	.
Number of species (Število vrst)		60	71	59	51	64	64	51	42	57	65	60	52	47	46	47	41	44	55	68	62	65
Relevé area (Velikost popisne ploskve)	m2	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Date of taking relevé (Datum popisa)		14. 6. 2016	14. 6. 2016	14. 6. 2016	14. 6. 2016	14. 6. 2016	14. 6. 2016	14. 6. 2016	14. 6. 2016	22. 4. 2013	20. 5. 2013	9. 6. 2003	3. 6. 2003	9. 7. 2003	8. 6. 2006	5. 6. 2019	16. 6. 2020	30. 6. 2020	9. 6. 2003	15. 5. 2008	15. 5. 2008	21. 6. 2010
Locality (Nahajališče)		Hrušica-Mlake	Hrušica-Mlake	Hrušica-Mlake-Škovci	Hrušica-Mlake-Škovci	Brkinski rob-Križišče	Brkinski rob-Križišče	Brkinski rob-Križišče	Hrušica-Mlake	Vrhe-Gradišče pri Sjaku	Vrhe-Gradišče pri Sjaku	Korada-Vrhoveljska planina	Korada-V rajdi	Kanalski Kolovrat-Zajavorce	Korada	Banjšice-Kamerač	Banjšice-Kamerač	Banjšice-Kamerač	Korada-V rajdi	Podsabotin	Podsabotin	Vrhovlje pri Kožbani
Quadrant (Kvadrant)		0450/2	0450/4	0450/4	0450/4	0351/3	0351/3	0351/3	0450/4	0249/2	0249/2	9947/3	9947/1	9947/2	9947/1	9948/3	9948/3	9948/1	9947/3	0047/2	0047/2	9947/1
Geographic coordinate Y (Geografska koordinata Y)	m	431763	431882	431915	431939	439420	439433	439443	431892	416835	417011	389589	390195	391021	389887	398651	398536	398496	389581	393214	393222	386365
Geographic coordinate X (Geografska koordinata X)	m	5045471	5045286	5045294	5045275	5053658	5053677	5053622	5045384	5072335	5072335	5101346	5103801	5104079	5103762	5101422	5101399	5101511	5100623	5094444	5094437	5101790
Diagnostic species of the association (Diagnostične vrste asociacije)																						Pr.	Fr.
FB *Danthonia alpina*	E1	3	2	2	+	+	1	1	.	+	.	.	.	.	.	+	.	.	.	+	.	.	10	48
FB *Euphorbia verrucosa*	E1	.	.	.	.	+	.	1	.	.	.	.	+	+	+	1	.	+	+	+	+	.	10	48
SV *Scorzonera villosa*	E1	.	.	.	.	1	2	3	.	.	.	+	.	.	.	.	1	+	.	+	1	+	9	43
TG *Lathyrus latifolius*	E1	.	.	+	.	1	+	+	.	+	.	.	.	.	.	.	.	.	+	+	+	.	8	38
FB *Ononis spinosa*	E1	.	.	.	.	2	.	+	.	+	.	.	+	.	.	.	.	.	+	+	+	.	7	33
TG *Ferulago galbanifera (F. campestris)*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	4	3	+	+	1	.	6	29

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
	Differential species of lower units (Razlikovalnice nižjih enot)																								
PaT	*Anthoxanthum odoratum*	E1	1	1	+	.	1	1	+	.	+	+	1	1	.	.	+	.	.	.	.	.	1	12	57
MA	*Holcus lanatus*	E1	.	3	2	4	2	3	2	3	.	.	1	1	+	.	+	.	.	.	.	.	.	11	52
FB	*Plantago media*	E1	.	+	+	.	1	1	1	+	+	+	+	+	.	.	.	.	.	.	+	.	.	11	52
FB	*Campanula rapunculus*	E1	.	+	+	+	+	+	+	.	+	r	1	.	.	.	.	.	.	.	.	.	.	9	43
NS	*Chamaespartium sagittale*	E1	1	1	1	.	.	+	+	+	.	3	.	.	.	.	.	.	.	.	.	.	.	7	33
FB	*Cirsium pannonicum*	E1	.	.	.	.	.	.	.	.	.	.	.	1	1	1	.	1	+	1	2	2	+	9	43
SV	*Chrysopogon gryllus*	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	1	1	3	5	24
Mo	*Serapias vomeracea*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	1	+	4	19
SV	*Asphodelus albus*	E1	3	3	+	.	+	+	+	3	.	.	.	.	+	3	4	4	1	.	.	.	.	12	57
Mo	*Gladiolus illyricus*	E1	2	1	1	1	1	1	+	+	+	+	r	r	.	.	.	.	.	r	1	+	1	16	76
Mo	*Gladiolus palustris*	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	+	1	.	.	.	.	5	24
SV	***Scorzonerion villosae, Scorzoneretalia villosae***																								
	Knautia illyrica	E1	1	1	1	1	2	2	2	1	.	.	1	1	.	.	1	1	1	+	+	+	1	17	81
	Centaurea pannonica	E1	1	2	2	1	1	1	.	1	.	.	1	+	+	+	+	.	+	1	1	+	.	16	76
	Leucanthemum platylepis	E1	+	.	.	1	+	1	1	.	.	.	.	.	.	+	.	.	.	.	1	+	+	9	43
	Thymus longicaulis	E1	1	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	+	+	1	6	29
	Dianthus sanguineus	E1	.	.	.	.	+	1	.	.	1	r	.	.	.	.	.	+	.	.	.	.	.	5	24
	Muscari botryoides	E1	.	.	.	.	.	.	.	.	1	+	.	.	.	.	1	.	.	.	.	.	.	3	14
	Trifolium incarnatum	E1	.	.	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Melampyrum carstiense	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	2	10
Satu	***Saturejion subspicatae***																								
	Plantago argentea subsp. *liburnica*	E1	+	+	+	+	+		+		+	2	+	+		1	1			+	1	1	+	16	76
	Festuca valesiaca	E1	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	3	14
	Eryngium amethystinum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	5
	Campanula sibirica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	5
	Leontodon crispus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	5
FB	***Festuco-Brometea***																								
	Brachypodium rupestre	E1	2	1	1	2	2	+	+	2	2	.	1	+	2	2	2	1	3	+	1	1	2	20	95
	Briza media	E1	2	2	2	2	2	2	2	1	1	1	+	+	+	+	+	+	.	1	1	1	1	20	95
	Filipendula vulgaris	E1	1	2	2	2	1	2	.	1	2	+	1	1	1	2	1	2	1	+	1	1	+	20	95
	Bromopsis erecta	E1	2	2	3	2	3	3	4	.	4	3	1	2	.	1	2	1	1	3	3	4	3	19	90
	Galium verum	E1	+	1	1	+	+	+	.	.	+	1	+	+	1	1	+	1	.	+	1	+	1	18	86
	Trifolium montanum	E1	1	1	1	1	1	1	1	.	.	+	+	+	+	+	2	.	1	+	1	+	+	18	86
	Helianthemum nummularium subsp. *obscurum*	E1	1	1	1	.	1	1	1	.	+	+	+	+	+	+	+	.	.	+	1	+	1	17	81
	Koeleria pyramidata	E1	1	1	1	.	+	+	.	1	+	.	+	.	+	2	+	+	1	1	1	.	1	16	76
	Peucedanum oreoselinum	E1	2	2	1	1	.	.	.	1	+	2	2	3	2	1	.	1	2	+	.	.	2	15	71
	Hypochoeris maculata	E1	1	+	+	+	+	+	+	.	+	+	.	.	.	+	2	.	+	+	.	.	1	14	67
	Salvia pratensis	E1	1	1	1	+	1	1	1	+	.	.	+	+	+	.	.	.	.	+	.	+	+	14	67
	Festuca rupicola	E1	1	1	1	+	+	+	+	+	1	1	.	.	.	.	.	.	.	.	+	1	.	12	57
	Inula hirta	E1	.	.	.	.	.	.	.	.	+	1	+	.	+	.	.	+	+	+	1	+	+	10	48
	Polygala vulgaris	E1	1	1	1	1	.	.	.	.	.	+	+	+	.	.	1	.	.	.	1	+	.	10	48
	Betonica serotina	E1	+	1	+	.	1	.	+	.	.	1	+	.	.	.	.	.	1	.	+	.	.	9	43
	Buphthalmum salicifolium	E1	.	.	.	.	1	+	1	.	.	.	1	+	.	.	.	.	.	1	+	+	+	9	43
	Polygala comosa	E1	+	+	+	1	1	1	1	.	.	.	.	.	.	+	.	.	.	.	.	.	1	9	43

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
Scabiosa triandra	E1	+	.	+	.	1	1	.	.	.	.	+	.	.	.	.	.	.	+	+	+	+	9	43
Carex montana	E1	2	+	+	.	1	.	.	.	.	+	.	.	.	+	2	.	.	.	.	.	2	8	38
Rhinanthus freynii	E1	+	1	1	1	.	.	.	+	2	.	.	1	.	.	.	.	.	.	1	.	.	8	38
Linum catharticum	E1	1	+	.	.	+	1	1	.	.	.	.	.	.	.	.	.	.	+	+	.	.	7	33
Orchis morio	E1	1	1	+	.	.	1	+	.	+	.	.	.	.	.	.	.	.	.	.	.	1	7	33
Allium carinatum subsp. *carinatum*	E1	.	.	.	.	+	+	.	.	.	.	.	.	+	.	.	+	1	.	.	.	+	6	29
Carex caryophyllea	E1	+	1	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	+	+	.	6	29
Ranunculus bulbosus	E1	.	1	.	.	.	.	.	.	1	+	+	.	.	.	.	.	.	.	+	.	+	6	29
Orchis ustulata	E1	.	+	.	.	+	1	1	.	+	.	.	.	.	.	.	.	.	.	.	.	+	6	29
Prunella laciniata	E1	.	.	.	.	.	+	+	.	.	.	+	.	.	.	.	.	.	+	+	.	1	6	29
Prunella grandiflora	E1	.	.	.	.	.	.	.	.	+	+	+	+	.	.	+	.	.	1	.	.	.	6	29
Campanula glomerata	E1	.	.	.	.	.	.	.	.	+	.	.	.	+	+	.	1	.	+	.	.	+	6	29
Genista tinctoria	E1	.	.	.	.	.	.	.	.	.	+	.	+	.	.	2	1	.	.	1	+	.	6	29
Asperula cynanchica	E1	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	1	+	+	1	6	29
Gymnadenia conopsea	E1	+	.	+	.	.	.	.	.	+	2	.	.	.	.	.	.	.	+	.	.	.	5	24
Dorycnium herbaceum	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	+	5	24
Hippocrepis comosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	+	+	+	5	24
Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	1	.	+	.	.	.	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	4	19
Globularia punctata	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	+	.	4	19
Anthyllis vulneraria	E1	.	+	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	.	.	+	4	19
Euphorbia cyparissias	E1	.	.	+	+	.	.	.	.	.	1	.	.	.	.	.	.	+	.	.	.	.	4	19
Thymus pulegioides	E1	.	.	.	.	.	.	1	.	.	.	.	.	+	.	.	.	1	+	.	.	.	4	19
Hieracium hoppeanum	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	+	+	4	19
Dorycnium germanicum	E1	1	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	14
Pimpinella saxifraga	E1	.	.	.	.	.	+	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	3	14
Orobanche gracilis	E1	.	.	.	.	.	.	.	.	.	.	+	+	.	.	1	.	.	.	.	.	.	3	14
Veronica barrelieri (Pseudolysimachion barrelieri)	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	+	.	3	14
Anacamptis pyramidalis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	+	3	14
Onobrychis viciifolia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	+	3	14
Hieracium bauhinii	E1	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
Silene nutans	E1	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	2	10
Medicago falcata	E1	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	2	10
Thlaspi praecox	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	2	10
Sanguisorba minor agg. (mostly *S. muricata)*	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	2	10
Carlina acaulis	E1	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	2	10
Teucrium chamaedrys	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	+	2	10
Centaurea bracteata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	2	10
Ophrys apifera	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	r	.	2	10
Senecio jacobaea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	2	10
Medicago lupulina	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
Arabis sagittata	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
Arabis hirsuta	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	5
Potentilla pusilla	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	5
Centaurea scabiosa subsp. *fritschii*	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
Achillea pannonica	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	5

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
	Onobrychis arenaria	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
	Silene vulgaris subsp. *vulgaris*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	5
	Stachys recta	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	5
	Carex humilis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	1	5
	Linum viscosum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
	Galium lucidum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
	Hieracium cymosum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
	Orchis simia	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	5
	Ophrys insectifera	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
	Allium senescens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
	Neotinea tridentata (Orchis tridentata)	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
TG	***Trifolio-Geranietea***																								
	Hypericum perforatum	E1	.	+	.	+	.	.	.	.	.	+	.	.	.	.	+	.	1	.	.	.	.	5	24
	Lilium bulbiferum	E1	.	.	.	.	1	+	.	.	.	.	+	+	+	.	.	.	.	.	.	.	+	6	29
	Pulmonaria australis	E1	.	.	.	.	.	.	.	.	.	.	.	+	1	+	.	+	+	+	.	.	.	6	29
	Trifolium alpestre	E1	.	.	.	1	+	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	+	5	24
	Trifolium medium	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	+	.	.	.	+	.	4	19
	Peucedanum cervaria	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	+	1	.	4	19
	Trifolium rubens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	+	+	4	19
	Viola hirta	E1	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	3	14
	Thalictrum minus	E1	.	.	.	.	+	.	.	.	.	.	+	.	.	.	.	1	.	.	.	.	.	3	14
	Anthericum ramosum	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	+	.	.	.	3	14
	Ornithogalum sphaerocarpum	E1	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Achillea distans	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	2	10
	Geranium sanguineum	E1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	2	.	.	.	.	.	2	10
	Polygonatum odoratum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	2	10
	Vincetoxicum hirundinaria	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	.	.	.	.	2	10
	Laserpitium latifolium	E1	.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Dianthus armeria	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Iris graminea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
	Valeriana nemorensis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	5
	Veronica teucrium	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	5
	Himantoglossum adriaticum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	1	5
	Trifolium ochroleucon	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
Mo	***Molinion caeruleae***																								
	Colchicum autumnale	E1	.	1	1	.	1	1	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	6	29
	Inula salicina	E1	+	+	+	1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	5	24
	Succisa pratensis	E1	+	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	+	.	.	4	19
	Betonica officinalis	E1	.	.	.	.	.	.	.	.	+	.	.	.	+	.	1	.	2	.	.	.	.	4	19
	Peucedanum coriaceum subsp. *pospichalii*	E1	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Molinia caerulea subsp. *caerulea*	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Cirsium palustre	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Taraxacum sect. *Palustria*	E1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Laserpitium prutenicum	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	5
	Scorzonera humilis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	5

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
	Thalictrum simlex subsp. *galioides*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	1	5
PaT	***Poo alpinae-Trisetetalia***																								
	Agrostis capillaris	E1	.	.	.	.	+	.	.	.	.	.	+	.	.	.	.	.	1	.	.	.	1	4	19
	Traunsteinera globosa	E1	.	.	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	10
	Crocus albiflorus	E1	.	.	.	.	.	.	.	.	2	+	.	.	.	.	.	.	.	.	.	.	.	2	10
	Festuca nigrescens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	.	.	.	.	.	.	2	10
MA	***Molinio-Arrhenetheretea***																								
	Dactylis glomerata	E1	.	.	+	+	1	.	1	1	+	1	+	+	2	1	1	2	1	.	1	1	1	17	81
	Tragopogon pratensis subsp. *orientalis*	E1	+	1	+	1	1	.	1	+	+	.	+	1	+	+	1	.	+	+	+	+	.	17	81
	Lotus corniculatus	E1	1	1	.	+	+	+	+	+	+	.	+	+	.	+	.	1	.	.	1	+	.	14	67
	Plantago lanceolata	E1	+	+	+	+	+	+	+	+	+	.	.	.	.	.	+	+	.	.	.	.	+	12	57
	Festuca rubra	E1	1	1	+	+	+	+	+	.	.	.	+	+	.	.	.	+	1	.	.	.	.	11	52
	Helictotrichon pubescens	E1	.	1	+	.	1	.	1	1	1	+	1	1	.	.	.	.	1	.	.	.	1	11	52
	Arrhenatherum elatius	E1	.	+	.	1	2	1	.	3	.	+	+	+	.	.	.	2	2	.	.	.	.	10	48
	Rumex acetosa	E1	.	+	.	+	+	+	.	+	.	+	.	+	.	.	.	.	+	.	.	.	.	8	38
	Leontodon hispidus	E1	.	1	1	.	1	1	1	+	.	+	.	.	.	.	.	.	.	.	.	.	.	7	33
	Vicia cracca	E1	.	1	.	.	.	+	+	.	+	+	+	.	.	.	.	.	.	.	.	.	+	.	7	33
	Trifolium pratense	E1	.	.	.	1	1	1	1	.	+	.	.	1	.	.	.	.	.	.	.	.	.	+	7	33
	Festuca pratensis	E1	+	1	.	1	1	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	29
	Orchis coriophora	E1	.	+	+	r	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	24
	Ononis arvensis	E1	.	+	.	1	.	.	.	+	+	.	.	.	.	+	.	.	.	.	.	.	.	.	5	24
	Daucus carota	E1	.	.	.	.	2	1	1	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	5	24
	Lathyrus pratensis	E1	.	.	.	.	+	+	+	.	.	.	.	+	1	.	.	.	.	.	.	.	.	.	5	24
	Galium mollugo	E1	.	+	+	.	.	.	.	1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	4	19
	Crepis biennis	E1	.	.	.	+	.	+	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	4	19
	Centaurea jacea	E1	.	.	.	.	.	.	.	.	1	1	.	.	.	+	.	.	.	.	.	+	.	.	4	19
	Leucanthemum ircutianum	E1	.	.	.	.	.	.	.	.	.	.	+	2	.	.	.	.	.	1	.	.	+	4	19
	Poa pratensis	E1	.	+	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	3	14
	Cynosurus cristatus	E1	.	.	+	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	14
	Stellaria graminea	E1	.	.	.	1	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	3	14
	Veronica chamaedrys	E1	.	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Trisetum flavescens	E1	.	.	.	1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	2	10
	Festuca arundinacea	E1	.	.	.	.	.	.	.	.	.	.	.	+	1	.	.	.	.	.	.	.	.	2	10
	Ranunculus acris	E1	.	.	.	.	.	.	.	.	.	.	.	1	+	.	.	.	.	.	.	.	.	2	10
	Lychnis flos-cuculi	E1	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Prunella vulgaris	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Trifolium repens	E1	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Cerastium holosteoides	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	5
	Achillea roseoalba	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
	Galium album	E1	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
	Leontodon hispidus subsp. *hastilis*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
	Orobanche vulgaris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
NS	***Nardetalia strictae***																								
	Luzula campestris	E1	+	1	.	+	.	.	.	+	1	2	+	.	.	.	+	.	.	.	.	.	+	9	43
	Potentilla erecta	E1	1	1	+	.	.	.	.	+	.	1	.	.	1	+	.	.	.	.	.	.	+	8	38
	Hypochoeris radicata	E1	+	+	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	6	29

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
	Genista germanica	E1	.	+	+	+	.	.	.	.	.	.	.	.	r	.	.	.	.	+	+	.	.	6	29
	Danthonia decumbens	E1	2	1	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	5	24
	Phyteuma zahlbruckneri	E1	.	.	+	+	.	.	.	1	+	.	.	.	.	.	.	.	+	.	.	.	.	5	24
	Calluna vulgaris	E1	1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	+	.	.	4	19
	Viola canina	E1	1	1	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	3	14
	Festuca filiformis	E1	+	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	3	14
	Carex pallescens	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	.	+	.	.	.	.	.	.	3	14
	Rhinanthus minor	E1	1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Luzula multiflora	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	.	.	.	2	10
	Nardus stricta	E1	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Arnica montana	E1	.	.	.	.	.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	.	1	5
ES	***Elyno-Seslerietea***																								
	Rhinanthus glacialis	E1	.	+	.	.	2	3	3	.	1	.	.	+	.	.	.	.	.	.	.	.	.	6	29
KC	***Koelerio-Corynephoretea***																								
	Trifolium campestre	E1	.	.	+	1	.	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	4	19
	Myosotis ramosissima	E1	.	.	+	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	14
	Cerastium tenoreanum	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	2	10
	Trifolium arvense	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Sedum sexangulare	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
CD	***Caricetalia davallianae***																								
	Gentiana utriculosa	E1	+					+																2	10
BA	***Betulo-Alnetea, Mulgedio-Aconitetea***																								
MuA	*Thalictrum aquilegiifolium*	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	2	10
	Salix appendiculata	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
EA	***Epilobietea angustifolii***																								
	Calamagrostis epigeios	E1											+											1	5
FC	***Filipendulo-Convolvuletea***																								
	Lysimachia vulgaris	E1	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
AV	***Artemisietea vulgaris, Galio-Urticetea***																								
	Cirsium vulgare	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
	Linaria vulgaris	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
GU	*Geum urbanum*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
SM	***Papaveretea rhoeadis (Stellarietea mediae)***																								
	Geranium columbinum	E1	.	.	.	1	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	14
	Myosotis arvensis	E1	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	2	10
	Vicia bithynica	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	2	10
	Taraxacum sect. Ruderalia	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Cardamine hirsuta	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Cerastium glomeratum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	5
	Erigeron annuus	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	5
SSC	***Sambuco-Salicion capreae***																								
	Rubus idaeus	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	2	10
RP	***Rhamno-Prunetea***																								
	Rosa gallica	E1	+	1	+	1	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	6	29
	Rosa canina	E2a	.	.	.	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	14
	Crataegus monogyna	E2a	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	2	10

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
	Crataegus monogyna	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	1	5
	Juniperus communis	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
AI	***Alnion incanae, Alnetea glutinosae***																								
	Frangula alnus	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Equisetum arvense	E1	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
AG	*Alnus glutinosa*	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
AF	***Aremonio-Fagion***																								
	Knautia drymeia	E1	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	.	.	.	.	.	+	4	19
EC	***Erythronio-Carpinion***																								
	Ornithogalum pyrenaicum	E1	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	+	4	19
	Primula vulgaris	E1	.	.	.	.	.	.	.	.	r	.	.	.	.	+	.	.	.	.	.	.	.	2	10
	Crocus vernus subsp. *vernus*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	5
	Knautia drymeia subsp. *tergestina*	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	5
FS	***Fagetalia sylvaticae***																								
	Heracleum sphondylium	E1								+				+										2	10
	Tilia cordata	E1											+			+								2	10
	Prunus avium	E2a																	+					1	5
	Tilia cordata	E2a													+									1	5
QP	***Quercetalia pubescenti-petraeae***																								
	Carex flacca	E1	.	+	.	.	.	.	.	.	+	+	+	.	1	1	.	.	.	+	+	1	+	10	48
	Aristolochia lutea	E1	.	.	.	.	.	.	.	.	.	.	.	+	+	1	+	1	.	.	.	.	.	5	24
	Quercus cerris	E1	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	r	+	.	4	19
	Quercus pubescens	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	+	1	+	4	19
	Fraxinus ornus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	2	10
	Sesleria autumnalis	E1	.	.	.	.	.	.	.	.	.	3	.	.	.	.	.	1	.	.	.	.	.	2	10
	Campanula persicifolia	E1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Quercus cerris	E2a	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	5
	Fraxinus ornus	E2b	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	5
	Cotinus coggygria	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
QR	***Quercetalia roboris***																								
	Chamaecytisus supinus	E1	.	.	.	.	+	.	.	.	.	+	.	.	+	.	+	.	.	.	+	+	.	6	29
	Potentilla alba	E1	.	.	.	.	.	.	.	.	.	.	.	.	+	1	+	1	.	+	.	.	2	6	29
	Populus tremula	E1	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Betula pendula	E1	.	.	.	.	.	.	.	.	+	1	.	.	.	.	.	.	.	.	.	.	.	2	10
	Pteridium aquilinum	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	.	.	.	.	2	10
	Serratula tinctoria	E1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Carex fritschii	E1	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Lathyrus linifolius	E1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Quercus petraea	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	5
QF	***Querco-Fagetea***																								
	Cruciata glabra	E1	.	+	.	.	.	.	.	1	.	+	+	.	.	+	.	.	.	+	.	.	+	7	33
	Platanthera bifolia	E1	.	+	.	.	.	.	.	.	r	1	.	.	+	.	.	.	.	.	.	.	.	4	19
	Platanthera chlorantha	E1	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
	Dactylorhiza fuchsii	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	5
	Anemone nemorosa	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	5

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Pr.	Fr.
	Corylus avellana	E2a	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	5
EP	***Erico-Pinetea***																								
	Molinia arundinacea	E1	.	1	1	.	.	.	.	2	.	.	.	.	+	2	1	.	3	.	.	.	.	7	33
	Erica carnea	E1	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	2	10
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
O	**Other species (Druge vrste)**																								
	Centaurea sp.	E1	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	5
	Festuca sp.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	5
	Carex sp.	E1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	1	5
M	**Mosses (Mahovi)**																								
	Musci	E0	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	5

Legend - Legenda

Relevés 1-12: *Danthonio-Scorzoneretum villosae holcetosum lanati* nom. prov.
Relevés 13-17: *Brachypodio rupestris-Asphodeletum albi* nom. prov.
Relevés 18-21: *Danthonio-Scorzoneretum villosae cirsietosum pannonicae*
A Limestone - apnenec
Fl Flysch - fliš
L Marlstone - laporovec
Eu Eutric brown soil - evtrična rjava tla
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %

Table 2: ***Danthonio-Scorzoneretum villosae molinietosum arundinaceae, Gladiolo palustris-Molinietum caeruleae*** **nom. prov.**
Preglednica 2: ***Danthonio-Scorzoneretum villosae molinietosum arundinaceae, Gladiolo palustris-Molinietum caeruleae*** **nom. prov.**

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9
Database number of relevé (Številka popisa v podatkovni bazi)		212351	283445	283446	283447	283453	242025	242030	242029	274967
Elevation in m (Nadmorska višina v m)		750	735	730	735	730	750	785	790	760
Aspect (Lega)		NE	N	W	SWW	NNW	N	NW	NW	SE
Slope in degrees (Nagib v stopinjah)		5	3	2	10	5	5	5	10	15
Parent material (Matična podlaga)		Fl	AL	AL	AL	AL	Fl	Fl	Fl	AL
Soil (Tla)		Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Re
pH in KCl (ph v KCl)		4	.	.	.	.	.	.	.	.
pH in Ca acetate (pH v Ca acetatu)		6	.	.	.	.	.	.	.	.
P2O5 (accessible /dostopni) mg/100g of soil/tal		2	.	.	.	.	.	.	.	.
K2O (accessible/ dostopni) mg/100g of soil/tal		21	.	.	.	.	.	.	.	.
Cover in % (Zastiranje v %):										
Shrub layer (Grmovna plast)	E2	.	.	.	10	.	10	.	.	.
Herb layer (Zeliščna plast)	E1	100	98	98	95	100	100	100	100	100
Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.	.	.
Number of species (Število vrst)		70	59	60	63	64	58	54	48	59
Relevé area (Velikost popisne ploskve)	m^2									
Date of taking relevé (Datum popisa)		8. 6. 2006	16. 6. 2020	16. 6. 2020	16. 6. 2020	30. 6. 2020	6. 7. 2011	6. 7. 2011	6. 7. 2011	26. 6. 2018
Locality (Nahajališče)		Korada	Korada-Vrh dolin	Korada-Vrh dolin	Korada-Vrh dolin	Korada-Vrh dolin	Korada	Korada	Korada	Korada
Quadrant (Kvadrant)		9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9947/1
Geographic coordinate Y (Geografska koordinata Y)	m	389881	389878	389910	389924	389895	389718	388722	388771	389464
Geographic coordinate X (Geografska koordinata X)	m	5103744	5103736	5103740	5103756	5103748	5103661	5103514	5103510	5103446
Diagnostic species of the associations (Diagnostične vrtse asociacij)										
FB *Euphorbia verrucosa*	E1	.	r	+	+	1	+	+	+	+
SV *Scorzonera villosa*	E1	+	2	2	1	1	1	+	.	2
FB *Danthonia alpina*	E1	1	2	2	2	1	1	1	+	2
TG *Ferulago galbanifera (F. campestris)*	E1	+	.	+	.	+	+	3	+	3
FB *Ononis spinosa*	E1	.	+	+	.	+	.	+	+	.
TG *Lathyrus latifolius*	E1	.	.	.	.	.	.	.	.	.
Differential species of lower units (Razlikovalnice nižjih enot)										
Mo *Gladiolus palustris*	E1	2	1	+	+	2	+	1	1	2
TG *Anthericum ramosum*	E1	2	+	+	+	1	1	2	2	1
EP *Molinia arundinacea*	E1	3	1	1	3	4	+	1	1	3
QR *Potentilla alba*	E1	1	1	1	1	1	1	1	1	+
Mo *Gladiolus illyricus*	E1	+	1	1	+	.	.	.	.	.
VP *Solidago virgaurea*	E1	.	.	.	.	.	.	.	.	.
Mo *Molinia caerulea* subsp. *caerulea*	E1	.	.	.	.	.	.	.	.	.
MA *Agrostis gigantea*	E1	.	.	.	.	+	.	.	.	.
SV ***Scorzonerion villosae***										
Knautia illyrica	E1	1	+	+	1	+	1	1	+	+
Leucanthemum platylepis	E1	+	1	2	1	1	1	+	+	1
Centaurea pannonica	E1	+	.	1	1	.	.	.	.	1
Asphodelus albus	E1	+	.	+	+	.	.	.	.	.
Chrysopogon gryllus	E1	.	.	2	1	.	.	.	.	+

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
278076	271588	271589	271590	242026	242027	242028	283465	283450	283249	283430	283431	283470	283432	254929	254933	274899	283426	283427	283428	283413	283417	283437		
800	810	800	800	800	795	800	775	790	775	775	770	755	755	545	535	715	720	720	715	710	710	710		
NW	N	N	N	S	NW	E	N	S	W	SW	NW	S	S	N	N	NNE	E	N	SE	NE	NW	SE		
10	5	10	5	3	2	5	10	10	15	15	15	10	25	10	10	5	5	2	3	2	2	1		
AL	AL	AFl	AL	Fl	Fl	Fl	AL	AL	AL	AL	AL	AL	AL	L	AFl	AL	AL	AL	AL	AL	AL	AL		
Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Re	Eu	Eu	Eu	Eu	Eu	Eu	Re	Re	Re	Eu	Eu	Eu		
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100	100	100	100	100	100	100	100	100	100	95	98	90	98	100	100	95	99	99	99	100	100	100		
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80	59	51	65	76	77	66	63	63	49	47	47	37	41	69	57	44	43	45	45	51	46	40		
8. 7. 2019	26. 6. 2018	26. 6. 2018	26. 6. 2018	6. 7. 2011	6. 7. 2011	6. 7. 2011	30. 6. 2020	30. 6. 2020	18. 9. 2020	1. 7. 2020	1. 7. 2020	30. 6. 2020	1. 7. 2020	30. 5. 2014	30. 5. 2014	24. 5. 2018	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020		
Korada- sv. Genderca	Korada	Korada- sv. Genderca	Korada- sv. Genderca	Korada	Korada	Korada	Korada	Korada	Banjšice-Kuk	Banjšice-Kuk	Banjšice-Kuk	Banjšice-Kamerač	Madoni-Visoko	Vrhe-Brda	Vrhe-Brda	Dragovica-Rebro	Dragovica-Rebro	Dragovica-Rebro	Dragovica-Rebro	Banjšice-Mulik	Banjšice-Mulik	Banjšice-Mulik		
9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9947/1	9948/3	9948/3	9948/3	9948/1	9948/3	0249/2	0249/2	9947/4	9947/4	9947/4	9947/4	9948/3	9948/3	9948/3		
389163	389040	389221	389242	389202	389155	389114	389005	389143	400326	400343	400300	398511	399741	417480	417476	396409	396402	396406	396417	400080	400138	400133		
5103381	5103341	5103406	5103373	5103375	5103319	5103307	5103515	5103347	5099948	5099939	5099961	5101465	5098712	5072243	5072287	5100998	5100979	5100962	5100975	5099481	5099454	5099516		
																							Pr.	Fr.
1	+	.	+	+	+	+	+	+	1	+	+	1	.	+	+	.	+	.	+	+	+	.	26	81
1	1	1	+	1	+	1	.	1	.	1	2	+	2	+	+	.	1	+	+	+	.	.	26	81
3	+	1	.	.	+	.	+	.	1	2	+	1	3	3	3	2	3	3	2	.	.	.	25	78
2	1	3	2	+	+	+	+	+	.	.	.	.	.	2	+	1	3	2	3	.	.	.	22	69
.	+	.	+	+	+	.	+	+	.	.	.	.	.	.	.	.	+	+	+	+	.	1	16	50
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+	1	1	+	+	r	+	+	+	2	3	3	1	1	.	.	+	+	1	2	3	3	1	30	94
2	1	+	1	3	1	1	1	+	1	1	+	.	1	+	+	+	1	+	1	.	.	.	28	88
1	1	1	.	1	1	1	.	2	3	3	1	4	3	1	2	.	+	.	+	.	.	.	25	78
1	1	+	1	1	1	1	.	+	1	1	1	.	.	1	.	.	.	.	.	+	+	.	23	72
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1	1	2	1	1	1	1	1	1	1	1	2	1	2	1	+	1	2	2	2	1	2	2	32	100
1	+	1	1	+	.	+	1	1	.	1	1	+	1	1	1	.	1	1	1	1	1	1	29	91
1	+	.	.	.	.	.	.	.	1	+	.	1	1	.	.	2	.	+	.	.	+	.	13	41
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9
	Muscari botryoides	E1	.	.	.	.	.	.	.	.	.
	Thymus longicaulis	E1	.	.	.	.	.	.	.	.	.
Satu	***Saturejion subspicatae***										
	Plantago argentea subsp. *liburnica*	E1	1	1	1	+	+	+	1	+	1
	Plantago holosteum	E1	.	.	.	.	.	.	.	.	.
	Potentilla australis	E1	+	.	.	.	.	.	.	.	.
	Centaurea rupestris	E1	.	.	.	.	.	.	.	.	+
	Centaurea x sordida	E1	.	.	.	.	.	.	.	.	r
	Eryngium amethystinum	E1	.	.	.	.	.	.	.	.	+
	Satureja montana subsp. *variegata*	E1	.	.	.	.	.	.	.	.	.
	Linum narbonense	E1	.	.	.	.	.	.	.	.	.
	Trisetum alpestre	E1	.	.	.	.	.	.	.	.	.
	Thesium divaricatum	E1	.	.	.	.	.	.	.	.	.
	Leontodon crispus	E1	.	.	.	.	.	.	.	.	.
	Gentiana tergestina	E1	.	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***										
	Galium verum	E1	1	2	1	1	1	2	1	2	1
	Peucedanum oreoselinum	E1	3	2	3	2	2	2	2	1	1
	Brachypodium rupestre	E1	3	2	1	2	.	4	3	3	2
	Bromopsis erecta	E1	1	3	3	3	2	2	1	+	3
	Koeleria pyramidata	E1	2	3	3	2	2	2	2	2	1
	Briza media	E1	+	1	1	+	1	+	.	1	3
	Cirsium pannonicum	E1	2	1	2	2	2	2	1	+	1
	Filipendula vulgaris	E1	1	1	1	1	+	1	1	1	1
	Hypochoeris maculata	E1	+	+	1	+	+	+	1	+	+
	Trifolium montanum	E1	1	1	1	+	1	+	+	1	+
	Inula hirta	E1	+	1	1	+	1	+	1	+	1
	Buphthalmum salicifolium	E1	+	+	+	+	1	+	1	1	1
	Asperula cynanchica	E1	+	+	+	+	+	1	+	+	1
	Centaurea bracteata	E1	.	+	+	.	1	+	1	+	.
	Prunella grandiflora	E1	+	+	.	.	+	+	+	1	1
	Plantago media	E1	.	+	+	+	+	+	.	1	+
	Gymnadenia conopsea	E1	1	1	+	+	1	.	1	+	+
	Campanula glomerata	E1	+	+	+	.	1	+	1	+	.
	Carex montana	E1	+	+	1	+	1	.	+	.	.
	Betonica serotina	E1	.	+	.	.	+	+	+	1	1
	Carlina acaulis	E1	+	+	.	.	+	+	.	+	+
	Genista tinctoria	E1	.	.	+	+	.	.	.	.	+
	Helianthemum nummularium subsp. *obscurum*	E1	1	+	+	1	1	+	+	.	+
	Centaurea scabiosa subsp. *fritschii*	E1	1	1	+	+	+	.	.	.	+
	Polygala comosa	E1	1	1	1	1	+	.	+	.	.
	Thymus pulegioides	E1	.	.	+	.	+	+	+	.	.
	Allium carinatum subsp. *carinatum*	E1	+	.	.	+	.	+	+	1	.
	Anthyllis vulneraria	E1	.	+	+	.	+	.	.	.	.
	Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	+	+	+	.	.	.	.	+	.
	Onobrychis arenaria	E1	+	1	1	.	+	.	+	+	.
	Orobanche gracilis	E1	+	.	+	.	+	.	.	.	.
	Stachys recta	E1	.	.	.	+	.	1	.	.	.
	Festuca rupicola	E1	.	+	+	+	+	.	.	.	.
	Salvia pratensis	E1	.	.	.	.	.	.	.	+	.
	Linum catharticum	E1	+	+	.	+	+	+	.	.	.
	Polygala vulgaris	E1	.	.	.	.	+	.	.	.	.
	Senecio jacobaea	E1	.	.	.	.	.	.	+	.	.
	Orchis ustulata	E1	1	.	.	+	+	.	.	.	.
	Veronica barrelieri (Pseudolysimachion barrelieri)	E1	+	.	.	.	.	.	+	.	.
	Carex humilis	E1	.	.	.	.	.	.	.	.	1
	Prunella laciniata	E1	.	.	+	+	+	.	.	.	.
	Scabiosa triandra	E1	.	.	.	+	.	.	.	.	.
	Hippocrepis comosa	E1	1	+	+	.	.	.	.	.	.
	Rhinanthus freynii	E1	.	+	+	.	.	.	.	.	.
	Gentianella germanica subsp. *rhaetica*	E1	.	.	.	.	.	.	.	.	.
	Hieracium hoppeanum	E1	.	.	.	.	.	.	.	.	.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Pr.	Fr.
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1	1	1	1	3	1	+	1	2	3	3	4	2	2	1	.	1	1	1	1	2	3	3	31	97
3	3	2	2	2	2	+	3	1	2	2	4	3	1	2	2	.	+	+	.	1	1	1	29	91
3	4	4	3	1	.	2	.	3	3	4	3	3	.	4	4	3	4	4	4	3	3	2	29	91
3	1	1	+	1	.	+	1	+	1	1	+	1	+	+	+	.	.	1	1	1	1	1	29	91
2	.	2	2	1	1	1	1	+	1	2	1	1	1	1	+	.	2	1	1	1	1	.	28	88
2	1	1	1	1	2	1	2	1	1	2	2	+	2	+	.	2	2	2	2	.	.	.	28	88
+	1	.	1	1	.	1	1	1	2	1	1	.	1	1	1	+	.	+	.	2	2	1	27	84
+	.	+	+	+	+	+	1	+	.	1	2	+	1	.	.	+	.	+	+	2	1	2	27	84
.	.	1	1	1	1	1	1	+	1	1	.	1	1	.	.	+	1	2	2	1	1	2	27	84
+	+	.	.	+	+	+	+	.	+	.	1	1	1	1	1	1	2	2	1	.	.	.	25	78
2	1	1	1	1	1	1	2	.	1	.	1	.	+	1	1	.	.	1	1	.	.	.	24	75
1	+	+	.	+	+	.	.	.	+	+	+	+	.	+	+	.	+	+	+	.	.	.	23	72
+	.	.	+	1	1	1	1	+	+	+	.	.	1	+	1	.	.	1	2	1	1	1	23	72
+	+	1	+	1	+	1	+	.	.	.	+	.	.	+	+	+	.	1	.	2	2	1	23	72
.	+	1	+	1	1	+	+	+	.	.	+	.	.	+	+	+	+	1	+	.	.	.	22	69
+	.	+	+	.	.	.	+	.	.	.	+	.	.	1	1	+	1	+	+	+	1	.	21	66
+	1	1	+	1	1	+	1	+	+	.	+	.	.	2	1	.	.	.	.	.	.	.	20	63
1	.	.	1	+	1	1	+	.	.	.	.	.	.	2	+	1	.	1	1	1	1	1	20	63
.	.	+	.	1	1	1	.	+	.	.	1	.	1	+	+	.	.	1	.	1	1	1	19	59
+	+	+	+	.	+	+	+	.	.	.	.	.	+	+	+	+	+	.	.	.	.	+	19	59
.	.	.	.	.	+	+	.	+	+	1	+	1	1	+	.	1	+	+	+	.	1	+	18	56
+	.	1	.	+	.	.	+	+	.	.	.	.	+	1	1	.	.	.	.	+	.	.	17	53
+	1	+	.	+	2	1	.	.	.	.	.	.	.	1	1	.	1	.	1	.	.	.	16	50
.	+	.	+	.	.	+	+	.	.	.	.	.	.	+	+	.	+	1	1	+	.	.	16	50
+	+	1	+	+	+	1	+	+	.	.	.	.	.	.	.	.	.	.	.	+	1	1	16	50
.	.	.	+	1	1	+	.	+	2	2	.	.	.	.	.	.	.	.	.	+	.	+	14	44
+	1	1	.	+	.	+	.	.	+	1	.	.	.	.	.	+	+	+	+	.	.	.	14	44
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.	+	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	1	+	.	5	16
.	+	.	.	.	r	+	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	5	16

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9
	Teucrium montanum	E1	.	.	.	.	.	+	+	.	.
	Ranunculus bulbosus	E1	.	.	.	.	.	+	.	.	.
	Teucrium chamaedrys	E1	.	.	.	.	.	.	.	.	1
	Sanguisorba minor agg. (mostly *S. muricata)*	E1	.	.	.	.	.	.	.	.	.
	Silene nutans	E1	.	.	.	.	.	.	.	.	.
	Allium carinatum subsp. *pulchellum*	E1	.	.	.	.	.	.	.	.	.
	Globularia punctata	E1	+	.	.	.	.	.	.	.	.
	Euphorbia cyparissias	E1	.	.	.	.	.	.	+	.	.
	Thymus praecox	E1	.	.	.	.	.	.	.	.	.
	Cirsium acaule	E1	.	.	.	.	.	.	.	.	.
	Linum viscosum	E1	.	.	.	.	.	+	.	.	.
	Silene vulgaris subsp. *vulgaris*	E1	.	.	.	.	.	+	.	.	.
	Agropyron intermedium	E1	.	.	.	.	.	.	.	.	1
	Anacamptis pyramidalis	E1	.	.	.	.	.	.	.	.	+
	Campanula rapunculus	E1	.	.	.	.	.	.	.	.	.
	Gentianella ciliata	E1	.	.	.	.	.	.	.	.	.
	Medicago falcata	E1	.	.	.	.	.	.	.	.	.
	Carex caryophyllea	E1	.	.	.	.	.	.	.	.	.
	Orchis morio	E1	.	.	.	.	.	.	.	.	.
	Cirsium x freyerianum	E1	.	.	.	.	.	.	.	.	.
	Dorycnium herbaceum	E1	.	.	.	.	.	.	.	.	.
	Hieracium bauhinii	E1	.	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***										
	Thalictrum minus	E1	+	+	+	.	+	+	+	+	+
	Lilium bulbiferum	E1	+	r	+	+	+	+	+	+	.
	Pulmonaria australis	E1	+	+	+	+	.	+	+	.	+
	Hypericum perforatum	E1	.	.	.	.	.	+	+	.	.
	Peucedanum cervaria	E1	+	1	.	+	+	.	.	.	+
	Polygonatum odoratum	E1	.	.	.	+	.	+	.	+	.
	Trifolium alpestre	E1	+	+	+	+	.	.	.	.	+
	Trifolium rubens	E1	.	.	.	.	.	.	.	.	1
	Viola hirta	E1	+	.	.	+	+	.	+	.	.
	Vincetoxicum hirundinaria	E1	.	.	+	.	+	.	.	.	+
	Iris graminea	E1	+	.	.	.	.	.	.	.	+
	Thesium bavarum	E1	.	.	.	.	.	.	.	+	+
	Achillea distans	E1	.	.	.	.	.	.	.	.	.
	Geranium sanguineum	E1	.	+	.	.	.	.	.	.	.
	Trifolium medium	E1	.	.	.	.	.	.	+	.	.
	Clinopodium vulgare	E1	.	.	.	.	.	.	.	.	.
	Veronica teucrium	E1	.	.	.	.	.	.	.	.	.
	Euphorbia angulata	E1	.	.	.	.	.	.	.	.	.
Mo	***Molinion caeruleae***										
	Colchicum autumnale	E1	.	.	.	.	.	.	.	.	.
	Succisa pratensis	E1	.	.	.	.	.	.	.	.	.
	Betonica officinalis	E1	.	.	.	.	.	.	.	.	.
	Thalictrum simplex subsp. *galioides*	E1	.	.	.	.	.	.	.	.	.
	Carex tomentosa	E1	.	+	.	.	.	.	.	.	.
	Filipendula ulmaria	E1	.	.	.	.	.	.	.	.	.
	Scorzonera humilis	E1	.	.	.	.	.	.	.	.	.
PaT	***Poo alpinae-Trisetetalia***										
	Agrostis capillaris	E1	+	.	.	.	1	+	.	+	.
	Traunsteinera globosa	E1	1	r	+	+	+	.	+	.	.
	Anthoxanthum odoratum	E1	.	.	.	.	.	+	.	.	.
	Festuca nigrescens	E1	1	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***										
	Lotus corniculatus	E1	1	1	1	1	+	+	+	.	1
	Tragopogon pratensis subsp. *orientalis*	E1	+	.	+	+	.	.	.	+	+
	Festuca rubra	E1	.	+	.	+	+	.	.	.	.
	Leontodon hispidus	E1	+	1	.	.	.	.	.	.	.
	Trifolium pratense	E1	.	.	.	+	+	r	.	.	.
	Dactylis glomerata	E1	+	r	.	1	+	1	.	.	1
	Plantago lanceolata	E1	.	.	+	.	+	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9
	Arrhenatherum elatius	E1	.	.	.	.	.	.	.	.	.
	Holcus lanatus	E1	.	.	.	.	.	.	.	.	.
	Helictotrichon pubescens	E1	.	.	.	.	.	+	.	.	.
	Festuca pratensis	E1	.	.	.	.	.	.	.	.	.
	Lathyrus pratensis	E1	.	.	.	.	.	.	.	.	.
	Rumex acetosa	E1	.	.	.	.	.	.	.	.	.
	Vicia cracca	E1	.	.	.	.	.	.	.	.	.
	Prunella vulgaris	E1	.	.	.	.	.	.	.	.	.
	Galium mollugo	E1	.	.	.	.	.	.	.	.	.
	Achillea millefolium	E1	.	.	.	.	.	.	.	.	.
	Trifolium repens	E1	.	.	.	.	.	.	.	.	.
	Leucanthemum ircutianum	E1	.	.	.	.	.	.	.	.	.
	Euphrasia rostkoviana	E1	.	.	.	.	.	.	.	.	.
	Scorzoneroides autumnalis	E1	+	.	.	.	.	.	.	.	.
	Cerastium holosteoides	E1	.	.	.	.	.	.	.	.	.
	Centaurea jacea	E1	.	.	.	.	.	.	.	.	.
	Ranunculus acris	E1	.	.	.	.	.	.	.	.	.
	Phleum pratense	E1	.	.	.	.	.	.	.	.	.
	Vicia sepium	E1	.	.	.	.	.	.	.	.	.
	Trisetum flavescens	E1	.	.	.	.	.	.	.	.	.
NS	***Nardetalia strictae***										
	Potentilla erecta	E1	+	.	.	+	1	+	+	+	.
	Danthonia decumbens	E1	+	.	+	+	1	.	.	.	+
	Phyteuma zahlbruckneri	E1	.	.	.	.	.	.	.	.	.
	Festuca filiformis	E1	.	.	.	.	+	.	.	.	.
	Genista germanica	E1	+	.	.	.	.	.	.	.	.
	Danthonia x breviaristata	E1	.	.	.	.	.	.	.	.	+
	Carex pallescens	E1	.	.	.	.	.	.	.	.	.
	Luzula multiflora	E1	.	.	.	.	.	.	.	.	.
	Viola canina	E1	.	.	.	.	.	.	.	.	.
	Arnica montana	E1	.	.	.	.	.	.	.	.	.
	Chamaespartium sagittale	E1	.	.	.	.	.	.	.	.	.
	Luzula campestris	E1	.	.	.	.	.	.	.	.	.
	Nardus stricta	E1	.	.	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***										
	Rhinanthus glacialis	E1	.	+	.	.	.	.	.	+	.
KC	***Koelerio-Corynephoretea***										
	Trifolium campestre	E1	.	.	.	.	.	.	.	.	.
	Sedum sexangulare	E1	.	.	.	.	.	.	.	.	.
	Cerastium brachypetalum	E1	.	.	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***										
	Gentiana utriculosa	E1	.	.	.	.	.	.	.	.	.
BA	***Betulo-Alnetea***										
	Salix appendiculata	E2a	.	.	.	+	.	.	.	.	.
	Salix appendiculata	E1	r	.	.	.	+	.	.	.	.
MuA	***Mulgedio-Aconitetea***										
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	.	.
	Centaurea montana	E1	.	.	.	.	.	.	.	.	.
FC	***Filipendulo-Convolvuletea***										
	Lysimachia vulgaris	E1	.	.	.	.	.	.	.	.	.
SM	***Papaveretea rhoeadis (Stellarietea mediae)***										
	Taraxacum sect. *Ruderalia*	E1	.	.	.	+	.	.	.	.	.
Sys	***Sisymbrietea***										
	Crepis rhoeadifolia	E1	.	.	.	.	.	.	.	.	.
SSC	***Sambuco-Salicion capreae***										
	Salix caprea	E1	+	.	.	.	.	.	.	.	.
	Rubus idaeus	E2a	.	.	.	.	.	.	.	.	.
	Sorbus aucuparia	E2a	.	.	.	.	.	.	.	.	.
RP	***Rhamno-Prunetea***										
	Juniperus communis	E2a	.	.	.	.	.	+	.	.	.
	Rhamnus catharticus	E2a	.	.	.	.	.	+	.	.	.
	Rosa canina	E2a	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9
	Rosa glauca	E2a	.	.	.	.	.	.	.	.	.
	Crataegus monogyna	E2b	.	.	.	.	.	.	.	.	.
EC	***Erythronio-Carpinion***										
	Erythronium dens-canis	E1	.	.	.	.	.	.	.	.	.
	Ornithogalum pyrenaicum	E1	.	.	+	.	.	.	.	.	.
	Helleborus odorus	E1	.	.	.	.	.	.	.	.	.
	Knautia drymeia subsp. *tergestina*	E1	.	.	.	.	.	.	.	.	.
	Primula vulgaris	E1	.	.	.	.	.	.	.	.	.
FS	***Fagetalia sylvaticae***										
	Tilia cordata	E1	+	+	+	.	+	.	.	.	.
	Tilia cordata	E2a	.	.	.	+	.	+	.	.	.
	Fagus sylvatica	E1	.	.	.	.	.	.	.	.	.
	Cephalanthera damasonium	E1	.	.	.	.	.	.	.	.	.
	Acer pseudoplatanus	E2a	.	.	.	.	.	.	.	.	.
QP	***Quercetalia pubescenti-petraeae***										
	Carex flacca	E1	1	1	1	1	1	+	1	1	1
	Aristolochia lutea	E1	.	.	.	.	.	+	+	+	.
	Convallaria majalis	E1	.	.	.	.	.	.	.	+	.
	Ostrya carpinifolia	E1	+	.	.	.	.	.	+	.	.
	Quercus cerris	E2a	.	.	.	+	.	+	.	.	.
	Quercus cerris	E1	.	.	.	.	.	.	.	.	+
	Melittis melissophyllum	E1	.	.	.	.	.	.	.	.	+
	Fraxinus ornus	E2a	.	.	.	.	.	.	.	.	.
	Fraxinus ornus	E1	.	.	.	.	.	.	.	.	.
	Tanacetum corymbosum	E1	.	.	.	.	.	.	.	.	+
	Limodorum abortivum	E1	.	.	.	.	.	.	.	.	.
	Sesleria autumnalis	E1	.	.	.	.	.	.	.	.	.
	Acer obtusatum	E1	.	.	.	.	.	.	.	.	.
	Frangula rupestris	E2a	.	.	.	.	.	.	.	.	.
QR	***Quecetalia roboris***										
	Chamaecytisus supinus	E1	.	.	.	+	.	.	.	+	+
	Serratula tinctoria	E1	.	.	.	.	+	.	+	+	.
	Lembotropis nigricans	E1	.	.	.	.	.	.	.	.	.
	Populus tremula	E2a	.	.	.	2	.	.	+	.	.
	Betula pendula	E2a	+	.	.	.	.	.	.	.	.
	Betula pendula	E1	.	+	.	.	.	.	.	.	.
	Quercus petraea	E1	.	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***										
	Cruciata glabra	E1	.	.	.	.	.	.	.	.	.
	Platanthera bifolia	E1	+	.	.	+	.	.	.	.	.
	Anemone nemorosa	E1	.	.	.	.	.	.	.	.	.
	Corylus avellana	E2a	.	.	.	.	.	+	+	.	.
	Veratrum nigrum	E1	.	.	.	.	.	.	.	.	.
	Crataegus laevigata	E1	.	.	.	.	.	.	.	.	.
	Pulmonaria stiriaca	E1	.	.	.	.	.	.	.	.	.
EP	***Erico-Pinetea***										
	Crepis slovenica	E1	+	.	.	.	.	.	.	.	.
	Erica carnea	E1	.	.	.	.	.	.	.	.	.
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	.	.	.

Legend - Legenda

Relevés 1-29: *Danthonio-Scorzoneretum villosae molinietosum arundinaceae*
Relevés 30-32: *Gladiolo palustris-Molinietum caeruleae* nom. prov.
A Limestone - apnenec
Fl Flysch - fliš
L Marlstone - laporovec
Eu Eutric brown soil - evtrična rjava tla
Re Rendzina - rendzina
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %
Grey coloured column - nomenclatural type (sivo pobarvani stolpec je nomenklaturni tip)

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Pr.	Fr.
.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
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1	1	+	.	.	+	+	+	+	.	.	.	.	1	.	+	+	.	.	.	.	+	.	20	63
+	.	.	+	+	+	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	9	28
.	.	.	.	+	.	.	+	+	.	.	.	2	.	.	+	.	.	.	.	+	1	1	9	28
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.	+	.	.	.	+	+	.	.	1	1	1	.	1	+	+	.	+	+	+	1	1	1	18	56
+	.	.	.	+	+	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	9	28
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+	.	.	+	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	13
.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	4	13
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.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	3

Table 3: ***Danthonio-Scorzoneretum villosae molinietosum arundinaceae*** **var.** ***Danthonia decumbens***
Preglednica 3: ***Danthonio-Scorzoneretum villosae molinietosum arundinaceae*** **var.** ***Danthonia decumbens***

Number of relevé (Zaporedna številka popisa)			1	2	3	4	5	6	7	8	9	10
Database number of relevé (Številka popisa v podatkovni bazi)			235145	277833	277835	283468	271587	274640	277836	277837	277824	277828
Elevation in m (Nadmorska višina v m)			770	770	775	770	810	775	770	775	740	740
Aspect (Lega)			SW	SW	SW	SW	SE	N	NNE	NNW	SEE	NE
Slope in degrees (Nagib v stopinjah)			15	25	25	20	5	25	20	5	5	5
Parent material (Matična podlaga)			Fl	AL	AL	AL	AL	AL	AL	AL	AL	AL
Soil (Tla)			Dy	Eu	Eu	Eu	Eu	Re	Eu	Eu	Eu	Eu
Cover in % (Zastiranje v %):												
Shrub layer (Grmovna plast)		E2	.	20	10	.	.	.	.	.	.	.
Herb layer (Zeliščna plast)		E1	100	99	95	98	100	100	95	98	98	96
Moss layer (Mahovna plast)		E0	.	.	.	.	.	.	.	.	.	.
Number of species (Število vrst)			91	71	56	63	35	57	65	45	52	58
Relevé area (Velikost popisne ploskve)		m^2	30	30	30	30	30	30	30	30	30	30
Date of taking relevé (Datum popisa)			24. 5. 2010	2. 7. 2019	2. 7. 2019	30. 6. 2020	26. 6. 2018	13. 6. 2018	2. 7. 2019	6/5/2019	6/5/2019	6/5/2019
Locality (Nahajališče)			Korada	Banjšice-Sleme	Banjšice-Sleme	Banjšice-Sleme	Korada	Banjšice-Kuk	Banjšice-Sleme	Banjšice-Sleme	Banjšice-Sleme-Kamerač	Banjšice-Sleme-Kamerač
Quadrant (Kvadrant)			9947/1	9948/3	9948/3	9948/3	9947/1	9948/3	9948/3	9948/3	9948/3	9948/3
Geographic coordinate Y (Geografska koordinata Y)		m	388763	398913	398938	398910	389017	400424	398823	398859	398566	398578
Geographic coordinate X (Geografska koordinata X)		m	5102909	5100948	5100935	5100945	5103311	5099988	5101156	5101135	5101361	5101345
Diagnostic species of the association (Diagnostične vrste asociacije)												
FB	*Euphorbia verrucosa*	E1	+	+	+	+	.	.	+	.	1	1
FB	*Danthonia alpina*	E1	+	.	+	.	1	3	2	1	3	.
SV	*Scorzonera villosa*	E1	+	+	.	.	+	.	.	.	1	.
FB	*Ononis spinosa*	E1	+	.	.	.	+	.	.	.	+	+
TG	*Ferulago galbanifera (F. campestris)*	E1	+	.	.	.	.	.	.	.	+	+
Differential species of the subassociation (Razlikovalnice subasociacije)												
Mo	*Gladiolus palustris*	E1	.	2	1	1	+	+	2	r	2	2
EP	*Molinia arundinacea*	E1	.	2	.	1	.	.	2	2	1	1
TG	*Anthericum ramosum*	E1	.	+	.	+	.	.	1	.	+	+
QP	*Potentilla alba*	E1	1	.	.	1	.	.	.	.	+	+
MO	*Gladiolus illyricus*	E1	+	.	.	.	.	.	.	.	.	.
Differential species of the variant (Razlikovalnice variante)												
NS	*Danthonia decumbens*	E1	2	3	1	2	2	2	3	1	.	.
Mo	*Molinia caerulea* subsp. *caerulea*	E1	1	.	.	.	.	.	+	.	+	1
VP	*Solidago virgaurea*	E1	+	.	.	.	.	.	+	+	.	+
QP	*Convallaria majalis*	E1	.	.	.	.	.	3	1	3	+	1
SV	*Scorzonerion villosae*											
	Knautia illyrica	E1	1	1	1	1	1	2	1	1	1	1
	Leucanthemum platylepis	E1	1	+	+	1	1	2	1	+	+	1
	Centaurea pannonica	E1	+	1	+	+	1	1	2	2	2	2
	Muscari botryoides	E1	.	.	.	.	.	1	1	1	.	1
	Asphodelus albus	E1	.	.	.	.	.	.	.	.	+	2

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
277834	283419	283462	283433	283434	283435	283436	283420	283438	283418	283424	283429	212353	277830	277832		
780	705	730	745	760	760	740	710	710	710	695	695	800	725	715		
NE	NW	SE	SW	NNE	SW	SW	SE	SE	N	0	W	NNE	NE	NE		
15	2	15	15	1	5	5	1	1	2	0	2	15	2	10		
AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	L	AL	AL		
Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Eu	Dy	Eu	Eu		
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
100	100	98	98	98	100	99	100	100	100	95	98	100	98	100		
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
50	55	47	49	36	54	33	36	43	36	40	45	87	47	46		
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
2. 7. 2019	1. 7. 2020	16. 6. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	1. 7. 2020	8. 6. 2006	5. 6. 2019	2. 7. 2019		
Banjšice-Sleme	Banjšice-Mulik	Banjšice-Kuk	Madoni-Visoko	Madoni-Visoko	Madoni-Visoko	Madoni-Visoko	Banjšice-Mulik	Banjšice-Mulik	Banjšice-Mulik	Rebro-Dragovica	Rebro-Dragovica	Korada	Banjšice-Kamerač	Banjšice-Kamerač		
9948/3	9948/3	9948/3	9948/3	9948/3	9948/3	9948/3	9948/3	9948/3	9948/3	9947/4	9947/4	9947/1	9948/3	9948/3		
398883	400129	400410	399584	399773	399708	399549	400098	400155	400162	396295	396288	389192	398612	398647		
5101098	5099445	5099935	5098881	5098763	5098811	5098908	5099496	5099419	5099442	5100802	5100823	5103425	5101367	5101390		
															Pr.	Fr.
+	1	+	1	1	+	.	1	1	.	.	+	+	.	+	18	72
1	.	2	+	2	3	2	.	.	.	.	1	.	.	.	14	56
.	1	2	.	1	+	1	.	.	.	.	1	.	.	.	10	40
+	+	.	+	.	1	.	1	1	.	.	.	.	.	.	10	40
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	12
+	2	1	1	1	1	+	3	3	2	+	+	+	1	2	24	96
2	3	+	.	.	.	.	.	.	1	1	1	1	2	.	14	56
.	.	.	1	1	1	1	.	.	.	.	.	+	+	+	12	48
.	+	.	1	.	+	1	+	.	.	.	.	1	+	r	12	48
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
+	2	1	2	1	2	+	2	.	+	2	2	1	+	1	22	88
.	.	.	2	2	1	.	3	4	3	.	.	.	+	1	12	48
.	+	.	1	.	1	+	1	.	1	.	.	.	1	1	12	48
+	.	.	+	.	+	.	.	.	1	.	.	.	3	+	11	44
1	2	1	2	2	2	2	2	2	1	2	1	+	+	2	25	100
+	1	2	1	1	1	1	1	1	.	.	1	+	+	+	23	92
1	+	1	1	1	.	1	.	.	.	.	1	1	1	3	20	80
+	.	.	1	.	.	.	.	.	.	.	.	.	+	+	8	32
.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	4	16

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Dianthus sanguineus	E1	.	.	+	.	.	.	.	.	.	.
	Thymus longicaulis	E1	.	.	.	.	.	+	.	.	.	.
Satu	***Saturejion subspicatae***											
	Plantago argentea subsp. *liburnica*	E1	1	+	+	.	1	1	1	1	1	1
	Gentiana tergestina	E1	.	.	.	.	.	+	.	.	.	1
	Artemisia alba	E1	.	.	.	.	.	.	.	.	.	.
	Plantago holosteum	E1	.	.	.	.	.	.	.	.	.	1
	Thesium divaricatum	E1	.	.	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***											
	Bromopsis erecta	E1	3	3	2	3	3	3	3	4	4	4
	Genista tinctoria	E1	+	+	1	1	+	1	+	1	1	2
	Galium verum	E1	1	2	1	1	1	+	.	+	1	+
	Hypochoeris maculata	E1	1	+	+	.	+	1	1	1	2	2
	Peucedanum oreoselinum	E1	2	2	2	1	1	3	3	3	3	3
	Trifolium montanum	E1	+	.	1	1	.	1	+	1	2	2
	Carex montana	E1	1	+	1	1	.	1	1	2	2	2
	Filipendula vulgaris	E1	1	1	1	1	+	1	1	1	1	1
	Gymnadenia conopsea	E1	+	.	.	.	.	+	+	+	+	+
	Thymus pulegioides	E1	+	+	+	+	+	1	+	.	.	.
	Orobanche gracilis	E1	+	+	+	+	.	1	.	.	+	+
	Brachypodium rupestre	E1	1	2	3	1	2	1	1	.	.	.
	Koeleria pyramidata	E1	+	1	.	1	.	.	2	1	+	1
	Briza media	E1	2	1	1	1	.	1	2	+	.	.
	Inula hirta	E1	+	+	.	.	+	+	+	+	+	+
	Centaurea bracteata	E1	1	.	.	+	.	+	+	.	.	.
	Polygala vulgaris	E1	1	+	+	+	.	+	+	1	1	1
	Prunella grandiflora	E1	+	.	.	.	.	+	1	+	.	.
	Betonica serotina	E1	.	.	.	1	+	+	.	.	.	.
	Campanula glomerata	E1	+	+	+	.	1	1	1	.	.	.
	Cirsium pannonicum	E1	1	1	.	1	1	1	+	+	.	.
	Buphthalmum salicifolium	E1	1	+	.	1	.	+	+	.	.	.
	Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	+	.	+	.	.	.	+	1	1	1
	Helianthemum nummularium subsp. *obscurum*	E1	+	.	.	.	.	.	.	.	+	.
	Plantago media	E1	+	+	+	.	+	+	.	.	.	.
	Asperula cynanchica	E1	.	+	.	.	.	.	+	+	+	+
	Polygala comosa	E1	.	.	+	.	+	+	.	.	.	.
	Carlina acaulis	E1	+	.	.	.	.	.	.	.	.	.
	Anthyllis vulneraria	E1	.	1	+	.	.	1	+	.	.	.
	Gentianella germanica subsp. *rhaetica*	E1	.	.	.	.	.	.	r	.	+	+
	Orchis ustulata	E1	1	.	.	.	.	.	+	.	.	.
	Allium carinatum subsp. *carinatum*	E1	.	.	.	+	.	.	.	.	.	.
	Carex caryophyllea	E1	.	.	.	.	.	+	+	.	.	.
	Linum catharticum	E1	1	.	.	1	.	.	.	.	.	.
	Scabiosa triandra	E1	+	1	.	+	.	.	.	.	.	.
	Allium carinatum subsp. *pulchellum*	E1	.	+	+	.	.	.	+	.	.	.
	Silene vulgaris subsp. *vulgaris*	E1	.	+	+	+	.	.	.	.	.	.
	Carex humilis	E1	.	+	.	+	.	.	.	.	.	.
	Dianthus hyssopifolius (D. monspessulanus)	E1	.	.	.	+	.	.	.	.	.	.
	Salvia pratensis	E1	.	.	.	.	.	.	.	.	.	.
	Silene nutans	E1	+	.	.	.	.	.	.	.	.	.
	Prunella laciniata	E1	+	.	.	.	.	r	.	.	.	.
	Ranunculus bulbosus	E1	+	.	.	.	.	.	+	.	.	.
	Hieracium pilosella	E1	.	+	+	.	.	.	.	.	.	.
	Stachys recta	E1	.	+	.	1	.	.	.	.	.	.
	Veronica barrelieri (Pseudolysimachion barrelieri)	E1	.	.	.	.	+	.	.	.	.	.
	Senecio jacobaea	E1	.	.	.	.	+	.	+	.	.	.
	Campanula rotundifolia	E1	.	.	.	.	.	.	+	.	.	.
	Festuca rupicola	E1	.	.	.	.	.	.	.	.	.	+
	Hippocrepis comosa	E1	.	.	.	.	.	.	.	.	.	+
	Rhinanthus freynii	E1	.	.	.	.	.	.	.	.	.	+
	Dorycnium herbaceum	E1	.	.	.	.	.	.	.	.	.	.
	Arabis hirsuta	E1	+	.	.	.	.	.	.	.	.	.

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1	3	+	1	1	.	1	2	1	1	.	.	+	.	.	20	80
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2	1	1	+	1	1	.	.	+	.	2	1	1	.	+	18	72
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Euphorbia cyparissias	E1	.	+	.	.	.	.	.	.	.	.
	Teucrium chamaedrys	E1	.	.	.	+	.	.	.	.	.	.
	Dactylorhiza sambucina	E1	.	.	.	.	.	+	.	.	.	.
	Orchis morio	E1	.	.	.	.	.	.	.	.	.	+
	Genista ovata	E1	.	.	.	.	.	.	.	.	.	.
	Hieracium hoppeanum	E1	.	.	.	.	.	.	.	.	.	.
	Cirsium acaule	E1	.	.	.	.	.	.	.	.	.	.
	Cirsium x freyerianum	E1	.	.	.	.	.	.	.	.	.	.
	Centaurea scabiosa subsp. *fritschii*	E1	.	.	.	.	.	.	.	.	.	.
	Gentianella ciliata	E1	.	.	.	.	.	.	.	.	.	.
	Globularia punctata	E1	.	.	.	.	.	.	.	.	.	.
	Onobrychis arenaria	E1	.	.	.	.	.	.	.	.	.	.
	Iris sibirica subsp. *erirrhiza*	E1	.	.	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***											
	Trifolium rubens	E1	+	1	2	.	.	+	.	.	.	.
	Trifolium alpestre	E1	+	+	+	+	.	+	.	.	.	.
	Hypericum perforatum	E1	.	.	.	+	+	.	.	.	.	.
	Thalictrum minus	E1	.	.	.	.	.	+	+	.	+	.
	Polygonatum odoratum	E1	.	.	.	.	.	+	+	2	.	.
	Pulmonaria australis	E1	.	.	.	.	+	r	+	.	.	r
	Lilium bulbiferum	E1	.	.	.	.	.	.	+	+	.	.
	Peucedanum cervaria	E1	+	.	.	.	.	.	.	.	.	.
	Vincetoxicum hirundinaria	E1	.	+	.	.	.	.	.	.	.	.
	Viola hirta	E1	.	.	.	+	.	.	.	.	.	+
	Thesium bavarum	E1	.	.	.	.	.	.	+	1	.	.
	Achillea distans	E1	.	+	.	+	.	.	.	.	.	.
	Geranium sanguineum	E1	.	.	.	.	.	.	.	.	+	+
	Trifolium medium	E1	.	.	.	.	.	.	.	.	.	+
	Verbascum chaixii	E1	.	.	+	.	.	.	.	.	.	.
	Clinopodium vulgare	E1	.	.	.	+	.	.	.	.	.	.
	Iris graminea	E1	.	.	.	.	.	.	.	.	.	.
Mo	***Molinion caeruleae***											
	Betonica officinalis	E1	1	1	.	.	.	.	+	.	+	+
	Succisa pratensis	E1	+	.	.	.	+	.	+	.	1	+
	Scorzonera humilis	E1	1	.	.	.	.	.	.	2	+	1
	Colchicum autumnale	E1	.	.	.	.	.	.	.	.	.	.
	Thalictrum simplex subsp. *galioides*	E1	.	1	.	.	.	.	.	.	.	.
	Laserpitium prutenicum	E1	.	.	.	.	.	.	.	.	+	.
PaT	***Poo alpinae-Trisetetalia***											
	Agrostis capillaris	E1	1	2	2	1	+	.	+	.	+	+
	Anthoxanthum odoratum	E1	2	+	+	1	.	+	+	2	1	1
	Festuca nigrescens	E1	.	+	.	+	.	+	.	+	1	+
	Traunsteinera globosa	E1	.	.	.	.	.	1	+	+	+	+
MA	***Molinio-Arrhenatheretea***											
	Tragopogon pratensis subsp. *orientalis*	E1	+	1	+	+	.	.	1	1	1	1
	Leontodon hispidus	E1	+	1	1	1	.	.	.	.	.	+
	Lotus corniculatus	E1	+	+	+	+	.	.	.	.	.	+
	Dactylis glomerata	E1	.	1	2	1	1	.	.	+	.	.
	Holcus lanatus	E1	+	1	1	1	+	.	.	1	.	.
	Festuca rubra	E1	+	.	.	1	.	+	.	.	.	.
	Helictotrichon pubescens	E1	+	+	2	1	.	.	2	.	.	.
	Plantago lanceolata	E1	2	1	+	.	.	.	.	.	.	.
	Trifolium pratense	E1	+	+	+	.	1	.	.	.	.	.
	Achillea millefolium	E1	+	.	+	.	.	.	.	.	.	.
	Rumex acetosa	E1	+	.	+	.	.	.	.	.	.	.
	Cerastium holosteoides	E1	+	.	+	.	.	.	.	.	.	.
	Galium mollugo	E1	+	.	+	.	.	.	.	.	.	.
	Lathyrus pratensis	E1	.	.	.	.	.	.	.	.	.	.
	Agrostis gigantea	E1	.	.	.	.	.	.	.	.	.	.
	Arrhenatherum elatius	E1	+	.	+	.	.	.	.	.	.	.
	Stellaria graminea	E1	.	.	+	+	.	.	.	.	.	.
	Vicia cracca	E1	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
	Carum carvi	E1	+	.	.	.	.	.	.	.	.	.
	Trifolium repens	E1	.	.	.	r	.	.	.	.	.	.
	Festuca arundinacea	E1	.	.	.	.	.	.	.	.	.	.
	Campanula patula	E1	.	.	.	.	.	.	.	.	.	.
	Ononis arvensis	E1	.	.	.	.	.	.	.	.	.	.
NS	***Nardetalia strictae***											
	Phyteuma zahlbruckneri	E1	+	+	+	1	.	1	1	+	+	1
	Potentilla erecta	E1	+	+	.	1	.	+	+	.	+	+
	Festuca filiformis	E1	1	+	.	.	.	+	.	.	+	.
	Arnica montana	E1	+	.	.	.	.	.	.	.	+	+
	Carex pallescens	E1	+	+	.	1	.	.	.	+	.	.
	Luzula campestris	E1	.	+	.	+	.	.	.	.	+	.
	Calluna vulgaris	E1	1	.	.	+	.	.	.	.	.	.
	Nardus stricta	E1	+	.	.	.	.	.	.	.	.	.
	Luzula multiflora	E1	+	.	.	.	.	.	.	+	.	+
	Genista germanica	E1	+	.	.	.	.	.	.	.	.	.
	Viola canina	E1	+	.	.	.	.	.	.	.	.	.
	Chamaespartium sagittale	E1	+	.	.	.	.	.	.	.	.	.
	Rhinanthus minor	E1	.	+	+	.	.	.	.	.	.	.
	Veronica officinalis	E1	.	.	.	+	.	.	.	.	.	.
	Carex pilulifera	E1	+	.	.	.	.	.	.	.	.	.
	Genista pilosa	E1	+	.	.	.	.	.	.	.	.	.
	Danthonia x breviaristata	E1	.	+	.	.	.	.	.	.	.	.
	Antennaria dioica	E1	.	.	.	.	.	.	.	.	.	.
	Avenella flexuosa	E1	.	.	.	.	.	.	.	.	.	.
	Hypochoeris radicata	E1	.	.	.	+	.	.	.	.	.	.
	Galium pumilum	E1	.	.	.	.	.	.	.	.	.	.
	Lycopodium clavatum	E1	.	.	.	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***											
	Rhinanthus glacialis	E1	2	1	2	1	1	2	+	.	.	.
	Ranunculus montanus agg.	E1	.	.	.	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***											
	Tofieldia calyculata	E1	.	.	.	.	.	.	.	.	.	.
BA	***Betulo-Adenostyletea***											
	Salix appendiculata	E1	.	.	.	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***											
	Hypericum maculatum	E1	+	.	.	.	.	.	.	.	.	.
	Centaurea montana	E1	.	.	.	.	.	.	.	.	.	.
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	.	.	.
EA	***Epilobietea angustifolii***											
	Calamagrostis epigeios	E1	.	.	.	.	.	.	.	.	.	.
FC	***Filipendulo-Convolvuletea***											
	Lysimachia vulgaris	E1	.	.	.	.	.	.	.	.	.	.
AV	***Artemisietea vulgaris***											
	Cirsium eriophorum	E1	.	+	.	.	.	.	.	.	.	.
	Linaria vulgaris	E1	.	.	.	+	.	.	.	.	.	.
SM	***Papaveretea rhoeadis (Stellarietea mediae)***											
	Erigeron annuus	E1	r	+	.	.	.	.	.	.	.	.
	Taraxacum sect. *Ruderalia*	E1	+	.	.	.	.	.	.	.	.	.
Sys	***Sisymbrietea***											
	Crepis vesicaria	E1	.	+	+	.	.	.	.	.	.	.
	Crepis taraxacifolia	E1	.	.	.	+	.	.	.	.	.	.
RP	***Rhamno-Prunetea***											
	Crataegus monogyna	E2a	.	1	1	1	.	.	.	.	.	.
	Rosa canina	E2a	.	+	1	.	.	.	.	.	.	.
	Rosa gallica	E1	+	.	.	.	.	.	.	.	.	.
	Crataegus monogyna	E1	.	.	.	.	.	.	.	.	.	.
AT	***Asplenietea trichomanis***											
	Polypodium vulgare	E1	.	.	.	.	.	.	.	.	.	.
AI	***Alnion incanae***											
	Equisetum arvense	E1	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10
EC	***Erythronio-Carpinion***											
	Crocus vernus subsp. *vernus*	E1	.	.	.	.	.	.	1	.	.	.
	Helleborus odorus	E1	.	.	.	.	.	.	r	.	.	.
	Primula vulgaris	E1	.	.	.	.	.	.	r	.	.	.
	Ornithogalum pyrenaicum	E1	.	.	.	.	.	.	.	.	.	.
	Erythronium dens-canis	E1	.	.	.	.	.	.	.	.	.	.
FS	***Fagetalia sylvaticae***											
	Acer pseudoplatanus	E1	.	.	.	.	.	.	.	.	.	.
QP	***Quercetalia pubescenti-petraeae***											
	Carex flacca	E1	+	+	.	.	.	1	+	1	.	.
	Euonymus verrucosa	E1	.	.	.	.	.	+	.	1	.	.
	Aristolochia lutea	E1	.	.	.	.	.	.	.	.	.	.
	Sesleria autumnalis	E1	.	.	.	.	.	.	.	.	.	.
	Orchis mascula subsp. *speciosa*	E1	+	.	.	.	.	.	.	.	.	.
	Hypericum perforatum subsp. *veronense*	E1	.	+	.	.	.	.	.	.	.	.
QR	***Quercetalia roboris***											
	Chamaecytisus supinus	E1	1	+	1	+	+	1	+	+	+	.
	Serratula tinctoria	E1	.	.	.	.	+	.	+	.	.	.
	Populus tremula	E1	1	.	.	.	.	.	.	.	.	+
	Lembotropis nigricans	E1	.	+	+	.	.	.	.	.	+	+
	Betula pendula	E1	.	.	.	.	.	.	.	.	.	.
	Hieracium umbellatum	E1	.	.	.	.	.	.	.	.	.	.
	Carex fritschii	E1	.	.	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***											
	Platanthera bifolia	E1	.	.	.	.	.	+	.	+	+	.
	Cruciata glabra	E1	+	.	.	.	.	.	.	.	.	.
	Anemone nemorosa	E1	.	.	.	.	.	.	+	.	.	.
	Dactylorhiza fuchsii	E1	.	.	.	.	.	+	.	.	.	.
EP	***Erico-Pinetea***											
	Pinus mugo	E2a	.	.	.	.	.	.	.	.	.	.
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	.	.	.	.
O	**Other species (Druge vrste)**											
	Orobanche sp.	E1	.	.	.	.	.	+	.	.	.	.
M	**Mahovi**											
	Musci	E0	.	.	.	.	.	.	.	.	.	.
	Leucobryum glaucum	E0	.	.	.	.	.	.	.	.	.	.

Legend - Legenda

A Limestone - apnenec
Fl Flysch - fliš
L Marlstone - laporovec
Dy Dystric brown soil - distrična rjava tla
Eu Eutric brown soil - evtrična rjava tla
Re Rendzina - rendzina
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Pr.	Fr.
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Table 4: ***Carici humilis-Centaureetum rupestris gladioletosum*** **prov.**
Preglednica 4: ***Carici humilis-Centaureetum rupestris gladioletosum*** **prov.**

Number of relevé (Zaporedna številka popisa)		5	4	1	2	3	6	7	8	9	10	11
Database number of relevé (Številka popisa v podatkovni bazi)		251355	251238	251234	283615	251236	282933	282939	282940	283312	283332	283315
Elevation in m (Nadmorska višina v m)		475	910	990	940	965	960	940	950	960	950	970
Aspect (Lega)		SW	NW	SE	SSE	SSE	E	SE	S	NE	NE	NE
Slope in degrees (Nagib v stopinjah)		5	5	2	30	10	15	10	2	20	20	20
Parent material (Matična podlaga)		Afl	DL	A	A	D	A	A	A	A	A	A
Soil (Tla)		Eu	Eu	Re	Re	Re	Re	Re	Re	Re	Re	Re
Stoniness in % (Kamnitost v %)		.	.	1	.	.	20	3	10	5	.	5
Cover in % (Zastiranje v %):												
Tree layer (Drevesna plast)	E3	.	.	.	.	.	.	.	.	5	.	.
Shrub layer (Grmovna plast)	E2	.	.	.	.	.	.	.	.	35	50	50
Herb layer (Zeliščna plast)	E1	100	100	100	100	100	90	100	90	80	80	70
Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.	.	.	.	.
Number of species (Število vrst)		58	62	37	40	47	42	48	46	53	55	48
Relevé area (Velikost popisne ploskve)	m^2	30	30	30	30	30	40	40	40	40	40	40
Date of taking relevé (Datum popisa)		4. 6. 2013	27. 6. 2013	27. 6. 2013	13. 7. 2020	27. 6. 2013	3. 7. 2020	10. 7. 2020	10. 7. 2020	21. 7. 2020	21. 7. 2020	21. 7. 2020
Locality (Nahajališče)		Raša-Ravnice	Križna gora-Col	Špičęk nad Colom	Križna gora-Col	Križna gora-Col	Slavnik	Slavnik	Slavnik	Oštrić-Griža	Oštrić-Griža	Oštrić-Griža
Quadrant (Kvadrant)		0249/4	0150/1	0150/1	0150/1	0150/1	0449/4	0449/4	0449/4	0550/1	0550/1	0550/1
Geographic coordinate Y (Geografska koordinata Y)	m	421626	422824	423536	423460	423095	420607	420626	420354	427724	427692	427716
Geographic coordinate X (Geografska koordinata X)	m	5067658	5083982	5084129	5083960	5083926	5043532	5043512	5043383	5039434	5039467	5039411
Diagnostic species of the association (Diagnostične vrste asociacije)												
TG *Thalictrum minus*	E1	+	.	+	3	+	2	+	1	1	1	+
Satu *Plantago argentea* subsp. *liburnica*	E1	1	1	+	+	+	1	1	1	1	1	1
FB *Carex humilis*	E1	1	.	1	.	1	1	1	3	3	3	.
Satu *Centaurea rupestris*	E1	+	.	.	.	.	+	.	.	.	.	.
Satu *Jurinea mollis*	E1	.	.	.	.	.	.	.	.	.	.	.
Satu *Pulsatilla montana*	E1	.	.	.	.	.	.	.	.	.	.	.
Differential species of lower units (Razlikovalnice nižjih enot)												
Mo *Gladiolus illyricus*	E1	1	+	+	+	1	.	.	.	+	+	.
Mo *Gladiolus palustris*	E1	.	.	.	.	.	+	+	+	1	1	1
Satu *Bupleurum exaltatum*	E1	.	+	.	.	+	1	+	1	+	+	+
Ca *Gentiana lutea* subsp. *symphyandra*	E1	.	+	.	.	.	1	1	+	2	2	1
TG *Libanotis daucifolia*	E1	1	.	1	1	1	.	.	.	.	.	.
FB *Festuca rupicola*	E1	1	+	1	+	+	.	.	.	.	.	.
ES *Senecio doronicum*	E1	.	.	.	.	.	2	1	+	1	1	1
FB *Teucrium montanum*	E1	.	.	.	.	.	+	+	+	1	1	1
Satu *Satureja subspicata* subsp. *liburnica*	E1	.	.	.	+	.	1	+	1	.	+	1
Satu *Anthyllis montana* subsp. *jacquinii*	E1	.	.	.	.	.	+	+	.	+	+	+
FB *Coronilla vaginalis*	E1									+	+	1
RP *Juniperus communis*	E2b	.	.	.	.	.	.	.	.	2	3	3
RP *Juniperus communis*	E2a	.	.	.	.	.	.	.	.	3	2	2
FB *Dorycnium herbaceum*	E1	.	.	.	+	.	.	.	.	.	.	.
FB *Iris sibirica* subsp. *erirrhiza*	E1	.	.	.	.	.	.	.	.	.	.	.
MuA *Aconitum variegatum*	E1	.	.	.	.	.	.	.	.	.	.	.
SV *Asphodelus albus*	E1	.	.	.	.	.	.	.	.	.	.	.

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
	283334	283331	283335	283336	283598	283603	283604	283606	283599	283600	283601	283605	283305	283388	283306	283308	283309	283307	283614	251239		
	955	970	965	1030	890	885	870	880	920	905	910	800	1015	1010	1015	1025	1025	1025	945	920		
	NNE	NNE	NNE	E	NW	SW	W	N	W	0	S	NE	NE	NNE	N	N	NW	NNW	NW	NW		
	20	25	10	10	5	1	1	1	10	0	5	20	10	15	25	15	15	15	15	10		
	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D		
	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re		
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	80	80	70	90	100	100	100	100	100	100	100	90	95	100	95	100	100	99	100	100		
	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
	54	47	51	50	41	39	51	41	42	48	60	43	42	55	48	39	50	49	34	31		
	40	40	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
	21. 7. 2020	21. 7. 2020	21. 7. 2020	21. 7. 2020	13. 7. 2020	13. 7. 2020	13. 7. 2020	13. 7. 2020	13. 7. 2020	13. 7. 2020	13. 7. 2020	13. 7. 2020	17. 7. 2020	20. 7. 2020	17. 7. 2020	17. 7. 2020	17. 7. 2020	17. 7. 2020	13. 7. 2020	27. 6. 2013		
	Oštrić-Griža	Oštrić-Griža	Oštrić-Griža	Oštrić-Griža	Nanos-Dolenja Ravan	Nanos-Dolenja Ravan	Nanos-Dolenja Ravan	Nanos-Dolenja Ravan	Nanos-Dolenja Ravan	Nanos-Na Lipah	Nanos-Na Lipah	Nanos-Njivna	Mala gora	Mala gora	Mala gora	Mala gora	Mala gora	Mala gora	Križna gora-Col	Križna gora-Col		
	0550/1	0550/1	0550/1	0550/1	0250/1	0250/1	0250/1	0250/1	0250/1	0250/1	0250/1	0250/1	0049/3	0049/3	0049/3	0049/3	0049/3	0049/3	0150/1	0150/1		
	427627	427722	427561	427663	424846	424744	424684	424665	424912	424831	424809	424362	411156	411141	411168	411204	411220	411191	422956	422890		
	5039496	5039395	5039511	5039114	5071468	5071613	5071640	5071632	5071545	5071696	5071775	5072215	5087173	5087194	5087173	5087166	5087176	5087158	5083928	5083941	Pr.	Fr.
	+	.	+	+	2	1	1	1	.	+	+	+	1	1	1	1	2	1	1	.	27	87
	1	1	+	1	+	+	1	1	+	+	+	.	.	+	+	.	.	.	.	.	24	77
	4	3	3	3	1	1	1	1	1	1	.	+	.	+	.	.	+	+	.	.	22	71
	+	.	.	.	.	1	1	+	1	+	.	.	.	.	.	.	.	.	.	.	8	26
	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3
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	+	.	.	.	1	1	2	2	1	2	1	1	1	+	1	1	1	1	+	+	24	77
	+	1	+	+	.	.	.	.	.	.	.	.	1	.	+	2	1	2	.	.	15	48
	+	1	+	1	2	1	1	1	1	+	.	.	+	+	+	+	.	1	.	.	23	74
	2	2	1	1	.	.	.	.	.	+	.	+	+	+	1	+	1	1	1	+	21	68
	.	.	.	.	1	+	+	+	+	1	.	.	+	+	1	.	+	+	.	.	15	48
	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	19
	1	1	+	+	.	+	.	.	.	+	+	+	.	.	+	.	.	.	.	.	15	48
	1	1	+	1	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	12	39
	1	1	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	32
	.	+	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	23
	2	+	1										+								7	23
	3	1	4	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	23
	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	.	.	5	16
	+	.	.	.	+	+	+	1	+	+	+	+	.	.	.	.	.	.	.	.	10	32
	.	.	.	.	+	.	.	.	.	.	+	.	3	3	1	.	+	+	3	1	9	29
	.	.	.	.	.	.	.	.	.	.	.	.	3	2	4	3	2	2	.	.	6	19
	.	.	.	.	.	.	.	.	.	3	4	.	.	.	.	.	.	.	+	3	4	13

	Number of relevé (Zaporedna številka popisa)		5	4	1	2	3	6	7	8	9	10	11
Satu	***Saturejion subspicatae***												
	Linum narbonense	E1	.	1	.	.	.	.	+	.	1	+	1
	Genista sylvestris	E1	.	.	+	.	.	.	.	+	1	2	+
	Campanula marchesettii	E1	.	.	.	.	.	.	.	.	.	.	.
	Satureja montana subsp. *variegata*	E1	.	.	.	.	.	.	+	.	.	.	+
	Galium corrudifolium	E1	.	.	.	.	+	+	.	.	.	.	+
	Bupleurum ranunculoides	E1	.	.	.	.	.	.	.	.	.	.	.
	Plantago holosteum	E1	.	.	.	.	.	+	.	+	.	+	.
	Stachys subcrenata	E1	.	.	.	.	.	1	+	+	.	.	.
	Potentilla australis	E1	.	.	.	.	.	.	+	1	.	.	.
	Polygala nicaeensis subsp. *mediterranea*	E1	+	.	.	.	.	.	.	.	.	.	.
	Klasea lycopifolia (Serratula lycopifolia)	E1	.	.	.	.	.	.	+	1	.	.	.
	Genista sericea	E1	.	.	.	.	.	.	+	.	.	.	.
	Thesium divaricatum	E1	.	.	.	.	.	.	.	.	.	.	.
	Astragalus carniolicus	E1	.	.	.	.	.	.	.	.	.	.	.
	Leontodon crispus	E1	.	+	.	.	.	.	.	.	.	.	.
	Koeleria macrantha	E1	.	.	1	.	.	.	.	.	.	.	.
	Euphorbia nicaeensis	E1	.	.	.	.	.	.	.	1	.	.	.
	Scorzonera austriaca	E1	.	.	.	.	.	.	.	.	+	.	.
	Centaurea x sordida	E1	.	.	.	.	.	.	.	.	.	.	.
	Stipa eriocaulis	E1	.	.	.	.	.	.	.	.	.	.	.
SV	***Scorzonerion villosae***												
	Knautia illyrica	E1	1	1	+	.	+	1	1	1	1	1	2
	Centaurea pannonica	E1	1	.	.	.	.	+	+	1	+	+	.
	Leucanthemum platylepis	E1	1	1	.	+	+	.	+	+	1	1	1
	Thymus longicaulis	E1	+	.	.	.	.	.	+	1	1	+	+
	Muscari botryoides	E1	+	.	.	.	.	.	.	.	+	+	.
	Scorzonera villosa	E1	1	.	.	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***												
	Bromopsis erecta (incl. *B. condensata)*	E1	4	4	3	3	3	1	2	3	3	3	3
	Betonica serotina	E1	2	1	1	1	1	1	+	2	1	+	+
	Filipendula vulgaris	E1	1	+	.	+	+	1	+	1	.	1	+
	Trifolium montanum	E1	+	1	+	+	+	+	.	+	1	1	1
	Koeleria pyramidata	E1	.	2	1	1	1	.	1	1	2	1	2
	Brachypodium rupestre	E1	.	.	+	.	+	.	.	.	.	1	2
	Peucedanum oreoselinum	E1	+	2	3	1	.	1	1	1	.	1	.
	Centaurea triumfettii	E1	+	1	1	+	1	1	+	+	.	.	+
	Danthonia alpina	E1	1	2	.	2	+	.	+	1	+	1	+
	Briza media	E1	+	1	.	1	+	.	.	.	2	1	2
	Hypochoeris maculata	E1	+	+	.	+	+	.	.	+	.	.	.
	Inula hirta	E1	+	+	2	+	1	1	+	+	.	.	.
	Asperula cynanchica	E1	.	+	+	.	.	1	1	2	+	1	+
	Buphthalmum salicifolium	E1	+	2	.	+	.	.	.	.	2	2	2
	Galium verum	E1	.	+	+	‘	.	.	.	.	+	.	.
	Prunella grandiflora	E1	.	1	.	.	.	.	+	+	+	1	.
	Veronica barrelieri (Pseudolysimachion barrelieri)	E1	+	.	+	.	.	+	1	.	+	+	.
	Anthyllis vulneraria	E1	.	.	.	.	.	1	+	1	+	1	1
	Carlina acaulis	E1	.	.	.	.	.	.	.	.	+	+	1
	Cirsium pannonicum	E1	.	.	.	+	1	.	.	.	.	.	.
	Allium carinatum subsp. *carinatum*	E1	.	.	.	+	.	.	.	.	.	.	.
	Campanula glomerata	E1	+	+	.	.	.	.	.	.	.	+	.
	Centaurea bracteata	E1	.	1	+	.	.	.	.	.	.	.	+
	Plantago media	E1	+	1	.	.	.	.	.	.	.	+	.
	Euphorbia verrucosa	E1	+	+	.	.	+	1	.	+	+	.	.
	Helianthemum nummularium subsp. *obscurum*	E1	+	+	.	.	+	1	.	.	.	.	.
	Salvia pratensis	E1	2	+	.	.	+	.	.	.	.	.	.
	Sanguisorba minor agg. (mostly *S. muricata)*	E1	.	+	.	.	.	1	+	.	+	.	.
	Dianthus hyssopifolius (D. monspessulanus)	E1	.	.	+	.	+	.	.	.	.	.	.
	Knautia fleischmannii	E1	.	.	.	.	.	.	.	.	.	.	.
	Ranunculus bulbosus	E1	+	+	.	.	.	.	.	.	+	+	.
	Euphorbia cyparissias	E1	+	.	.	.	.	+	1	.	.	.	.
	Gymnadenia conopsea	E1	.	1	.	.	1	.	.	.	.	+	.
	Teucrium chamaedrys	E1	.	.	.	2	1	.	.	.	+	.	.

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Pr.	Fr.
.	1	+	.	+	1	1	1	.	+	+	+	+	1	+	1	1	1	.	+	21	68
+	1	.	+	.	.	+	+	+	.	+	+	+	+	1	+	.	+	.	.	18	58
.	.	.	.	+	.	+	1	.	+	.	+	+	1	1	1	+	.	.	.	10	32
+	1	+	.	.	.	.	.	.	.	.	1	.	.	.	.	+	.	.	.	7	23
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1	1	1	1	2	1	2	2	2	1	1	1	.	+	1	+	+	1	+	.	28	90
.	+	.	.	.	.	+	.	.	+	.	.	+	+	+	+	+	+	+	.	16	52
1	1	1	1	.	+	.	+	+	.	.	.	.	.	.	.	.	.	.	.	16	52
1	1	1	1	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	11	35
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	10
.	.	.	.	.	+	.	.	.	1	.	.	.	.	.	.	.	.	.	.	3	10
3	3	3	3	3	3	3	4	3	1	1	.	+	+	1	.	1	+	+	+	29	94
1	.	1	1	1	+	.	+	1	+	1	1	+	2	1	1	+	1	1	.	28	90
.	+	1	1	2	2	3	3	1	3	2	2	1	1	1	1	1	+	.	+	27	87
1	.	+	1	1	.	1	1	1	1	1	1	1	+	.	1	1	1	+	+	27	87
2	1	.	2	1	.	1	1	1	.	1	.	+	1	1	+	1	1	1	.	24	77
1	1	1	.	1	1	2	1	3	3	3	2	2	2	2	3	3	3	2	2	23	74
+	.	+	.	.	+	+	.	1	1	1	+	1	3	3	3	3	.	+	.	22	71
.	+	.	.	.	.	+	.	.	.	1	+	+	+	+	1	1	1	+	+	21	68
+	1	1	1	1	1	1	2	1	+	1	+	.	.	.	.	.	.	.	.	21	68
1	1	2	2	.	.	+	1	+	1	.	.	+	+	1	.	.	1	+	.	20	65
.	.	.	.	1	+	1	1	1	1	1	1	.	+	1	+	+	+	.	.	18	58
.	.	.	.	1	1	1	+	+	.	+	+	.	.	.	.	+	+	.	.	17	55
1	1	1	1	1	+	.	.	.	.	1	.	.	.	+	.	.	.	.	.	16	52
2	1	2	2	.	.	.	.	+	.	.	.	.	.	+	.	+	+	1	.	15	48
.	.	+	.	.	.	2	3	.	1	1	.	.	1	.	+	+	1	1	+	15	48
1	.	1	2	.	+	1	1	1	1	1	.	.	.	.	.	.	.	.	.	14	45
+	1	+	+	.	.	1	.	+	.	+	.	.	.	.	.	.	.	.	.	13	42
1	1	1	+	.	.	.	.	.	.	.	+	.	.	.	.	.	+	.	.	12	39
+	1	.	+	.	+	.	.	+	.	.	.	.	+	.	+	+	+	.	.	12	39
.	.	.	+	.	+	+	+	+	+	1	.	.	.	.	.	.	.	+	+	11	35
.	.	.	.	1	.	1	+	.	1	1	.	.	+	.	.	+	+	.	.	9	29
+	.	+	+	+	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	9	29
.	1	+	.	+	.	.	+	.	.	+	.	.	+	.	.	.	.	.	.	9	29
+	.	+	+	.	.	.	1	+	.	.	.	.	.	.	.	.	.	.	.	8	26
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.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	13

	Number of relevé (Zaporedna številka popisa)		5	4	1	2	3	6	7	8	9	10	11
	Orobanche gracilis	E1	.	.	.	.	.	.	.	.	.	.	.
	Cirsium x linkianum	E1	.	+	.	+	.	.	.	.	.	.	.
	Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	.	.	.	.	.	.	+	.	.	.	.
	Senecio jacobaea	E1	1	.	.	.	.	.	.	.	.	.	.
	Orchis ustulata	E1	+	.	.	.	.	+	.	.	.	.	.
	Thlaspi praecox	E1	.	+	.	.	+	.	.	.	.	.	.
	Dorycnium germanicum	E1	.	.	+	.	.	.	.	.	+	.	.
	Inula ensifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Medicago falcata	E1	.	.	.	.	.	.	.	.	.	.	.
	Silene nutans	E1	.	.	.	.	.	.	.	.	.	.	.
	Galium lucidum	E1	1	.	.	.	.	.	.	.	.	.	.
	Neotinea tridentata (Orchis tridentata)	E1	+	.	.	.	.	.	.	.	.	.	.
	Pimpinella saxifraga	E1	+	.	.	.	.	.	.	.	.	.	.
	Hieracium hoppeanum	E1	.	+	.	.	.	.	.	.	.	.	.
	Hippocrepis comosa	E1	.	+	.	.	.	.	.	.	.	.	.
	Thymus praecox	E1	.	+	.	.	.	.	.	.	.	.	.
	Galium purpureum	E1	.	.	.	.	+	.	.	.	.	.	.
	Scabiosa triandra	E1	.	.	.	.	.	+	.	.	.	.	.
	Genista tinctoria	E1	.	.	.	.	.	.	+	.	.	.	.
	Campanula rapunculus	E1	.	.	.	.	.	.	.	+	.	.	.
	Globularia punctata	E1	.	.	.	.	.	.	.	+	.	.	.
	Allium senescens	E1	.	.	.	.	.	.	.	.	.	+	.
	Centaurea scabiosa subsp. *fritschii*	E1	.	.	.	.	.	.	.	.	.	.	.
	Linum viscosum	E1	.	.	.	.	.	.	.	.	.	.	.
	Cuscuta epithymum	E1	.	.	.	.	.	.	.	.	.	.	.
	Carlina acaulis subsp. *simplex*	E1	.	.	.	.	.	.	.	.	.	.	.
	Cirsium x freyerianum	E1	.	.	.	.	.	.	.	.	.	.	.
	Melica ciliata	E1	.	.	.	.	.	.	.	.	.	.	.
	Allium carinatum subsp. *pulchellum*	E1	.	.	.	.	.	.	.	.	.	.	.
	Orobanche lutea	E1	.	.	.	.	.	.	.	.	.	.	.
	Silene vulgaris subsp. *vulgaris*	E1	.	.	.	.	.	.	.	.	.	.	.
	Carex montana	E1	.	.	.	.	.	.	.	.	.	.	.
	Stachys recta	E1	.	.	.	.	.	.	.	.	.	.	.
ST	***Seslerietalia tenuifoliae***												
	Sesleria tenuifolia subsp. *kalnikensis*	E1	.	.	.	.	.	.	.	.	1	.	1
	Sesleria tenuifolia subsp. *tenuifolia*	E1	.	.	.	.	.	4	4	.	.	.	.
CA	***Caricion austroalpinae***												
	Allium ericetorum	E1	.	.	.	.	.	1	+	.	+	.	+
ES	***Elyno-Seslerietea***												
	Rhinanthus glacialis	E1	.	.	.	.	.	.	+	2	.	.	.
	Phyteuma orbiculare	E1	.	.	.	.	.	+	+	.	.	.	.
	Leucanthemum heterophyllum	E1	.	.	.	.	.	.	.	.	+	+	.
	Carduus crassifolius	E1	.	.	.	.	.	.	.	.	.	.	.
	Globularia cordifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Betonica alopecuros	E1	.	.	.	.	.	.	.	.	.	.	.
	Hieracium pilosum	E1	.	.	.	.	.	.	.	.	.	.	.
	Acinos alpinus	E1	.	+	.	.	.	.	.	.	.	.	.
	Ranunculus carinthiacus	E1	.	.	.	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***												
	Anthericum ramosum	E1	.	.	2	2	1	1	+	+	1	2	2
	Polygonatum odoratum	E1	.	.	.	1	1	+	.	+	+	.	+
	Geranium sanguineum	E1	.	.	1	2	1	.	.	+	.	.	1
	Laserpitium siler	E1	.	1	.	1	4	1	1	1	1	1	1
	Vincetoxicum hirundinaria	E1	+	.	2	1	3	+	+	+	.	.	+
	Euphorbia angulata	E1	.	.	.	+	.	.	+	.	.	+	.
	Trifolium alpestre	E1	+	.	1	1	2	.	.	.	.	.	.
	Iris graminea	E1	.	.	2	+	1	.	.	.	.	.	.
	Lilium bulbiferum	E1	.	.	.	.	+	.	.	.	.	.	.
	Laserpitium latifolium	E1	.	.	.	.	.	.	.	.	.	.	.
	Lilium carniolicum	E1	.	+	.	.	+	.	.	.	.	.	.
	Hypericum perforatum	E1	.	+	.	.	.	.	.	.	.	.	.
	Valeriana wallrothii (V. collina)	E1	.	.	.	.	.	.	.	.	.	.	.
	Lathyrus latifolius	E1	+	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		5	4	1	2	3	6	7	8	9	10	11
	Trifolium rubens	E1	.	.	.	+	.	.	.	.	.	.	.
	Viola hirta	E1	.	.	.	.	.	.	.	.	.	.	.
	Ferulago galbanifera (F. campestris)	E1	1	.	.	.	.	.	.	.	.	.	.
	Veronica jacquinii	E1	+	.	.	.	.	.	.	.	.	.	.
	Achillea distans	E1	.	.	+	.	.	.	.	.	.	.	.
	Verbascum chaixii	E1	.	.	.	+	.	.	.	.	.	.	.
	Pulmonaria australis	E1	.	.	.	.	.	.	+	.	.	.	.
	Thesium bavarum	E1	.	.	.	.	.	.	.	.	.	.	.
	Coronilla varia	E1	.	.	.	.	.	.	.	.	.	.	.
	Ornithogalum sphaerocarpum	E1	.	.	.	.	.	.	.	.	.	.	.
No	***Molinion caeruleae***												
	Sanguisorba officinalis	E1	.	.	.	.	.	.	.	.	.	.	.
	Galium boreale	E1	.	1	.	.	.	.	.	.	.	.	.
	Colchicum autumnale	E1	.	.	.	.	.	.	.	.	.	.	.
	Molinia caerulea subsp. *caerulea*	E1	.	.	.	.	.	.	.	.	.	.	.
PaT	***Poo alpinae-Trisetetalia***												
	Agrostis capillaris	E1	.	.	+	.	.	.	.	1	.	.	.
	Crocus albiflorus	E1	.	.	+	.	.	.	.	.	.	.	.
	Traunsteinera globosa	E1	1	.	.	.	.	.	.	.	.	.	.
	Anthoxanthum odoratum	E1	.	+	.	.	.	.	.	.	.	.	.
	Viola tricolor	E1	+	.	.	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***												
	Lotus corniculatus	E1	+	1	1	+	+	.	.	.	.	+	+
	Lathyrus pratensis	E1	.	.	+	.	.	.	.	.	.	.	.
	Festuca rubra	E1	.	1	.	.	+	.	.	.	.	.	.
	Trifolium pratense	E1	.	+	.	.	.	.	.	.	+	.	.
	Dactylis glomerata	E1	.	.	.	.	.	.	.	.	.	.	.
	Tragopogon pratensis subsp. *orientalis*	E1	.	1	.	‘	.	.	.	.	.	.	.
	Narcissus poeticus subsp. *radiiflorus*	E1	.	.	.	.	.	+	.	.	.	.	.
	Vicia cracca	E1	+	.	.	.	+	.	.	.	.	.	.
	Ajuga reptans	E1	+	.	.	.	.	.	.	.	.	.	.
	Helictotrichon pubescens	E1	.	+	.	.	.	.	.	.	.	.	.
	Agrostis gigantea	E1	.	.	.	.	.	.	.	.	.	.	.
	Leontodon hispidus	E1	.	.	.	.	.	.	.	.	.	.	.
NS	***Nardetalia strictae***												
	Potentilla erecta	E1	.	1	+	.	.	.	.	.	1	1	1
	Chamaespartium sagittale	E1	+	+	+	.	1	.	.	+	.	.	.
	Phyteuma zahlbruckneri	E1	.	+	.	.	.	.	.	.	.	.	.
	Danthonia decumbens	E1	.	+	.	.	.	.	.	.	.	.	.
	Carex pallescens	E1	.	.	.	.	.	.	.	.	.	.	.
	Luzula campestris	E1	.	+	.	.	.	.	.	.	.	.	.
	Rhinanthus minor	E1	.	+	.	.	.	.	.	.	.	.	.
BA	***Betulo-Alnetea***												
	Salix appendiculata	E1	.	+	.	.	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***												
	Veratrum album	E1	.	+	.	.	.	.	.	.	.	.	.
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.	.	.	.	.
	Polygonatum verticillatum	E1	.	.	.	.	.	.	.	.	.	.	.
	Aconitum lycoctonum	E1	.	.	.	.	.	.	.	.	.	.	.
SM	***Papaveretea rhoeadis (Stellarietea mediae)***												
	Tripleurospermum inodorum	E1	+	.	.	.	.	.	.	.	.	.	.
	Cerastium glomeratum	E1	+	.	.	.	.	.	.	.	.	.	.
	Myosotis arvensis	E1	+	.	.	.	.	.	.	.	.	.	.
RP	***Rhamno-Prunetea***												
	Rhamnus saxatilis	E2a	.	.	.	.	.	.	.	.	.	.	.
	Rosa glauca	E2a	.	.	.	.	.	.	.	.	.	.	.
	Rhamnus catharticus	E2a	.	.	.	.	.	.	.	.	.	.	.
PcSp	***Physoplexido comosae-Saxifragion petraeae***												
	Daphne alpina subsp. *scopoliana*	E1	.	.	.	.	.	.	.	.	.	.	.
EC	***Erythronio-Carpinion***												
	Galanthus nivalis	E1	.	.	+	.	.	.	.	.	.	.	.
	Ornithogalum pyrenaicum	E1	.	.	.	.	.	.	.	.	.	.	.

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	Number of relevé (Zaporedna številka popisa)		5	4	1	2	3	6	7	8	9	10	11
FS	***Fagetalia sylvaticae***												
	Lilium martagon	E1	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E2a	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E1	.	.	.	.	.	.	.	.	r	.	.
	Acer pseudoplatanus	E2a	.	.	.	.	.	.	.	.	.	.	.
QP	***Quercetalia pubescenti-petraeae***												
	Convallaria majalis	E1	.	+	.	.	.	.	.	.	+	1	+
	Carex flacca	E1	.	.	.	.	.	.	.	.	1	1	1
	Sorbus aria (Aria edulis)	E3a	.	.	.	.	.	.	.	.	+	.	.
	Sorbus aria (Aria edulis)	E2b	.	.	.	.	.	.	.	.	.	.	1
	Sorbus aria (Aria edulis)	E2a	.	.	.	.	.	.	.	.	.	1	1
	Sorbus aria (Aria edulis)	E1	.	.	.	.	.	.	.	.	+	.	1
	Mercurialis ovata	E1	.	.	.	.	.	.	+	.	.	+	+
	Fraxinus ornus	E2a	.	.	.	.	.	.	.	.	.	.	.
	Fraxinus ornus	E1	.	.	.	.	.	.	.	.	.	.	.
	Aristolochia lutea	E1	+	.	.	.	.	.	.	.	.	.	.
	Peucedanum schottii	E1	.	.	.	1	.	.	.	.	.	.	.
	Ostrya carpinifolia	E2b	.	.	.	.	.	.	.	.	.	.	.
	Ostrya carpinifolia	E2a	.	.	.	.	.	.	.	.	.	.	.
	Euonymus verrucosa	E1	.	.	.	.	.	.	.	.	.	.	.
	Clematis recta	E1	.	.	.	.	.	.	.	.	.	.	.
	Asparagus tenuifolius	E1	.	.	.	.	.	.	.	.	.	.	.
	Frangula rupestris	E2a	.	.	.	.	.	.	.	.	.	.	.
	Primula veris subsp. *columnae*	E1	.	.	.	.	.	.	.	.	.	.	.
QR	***Quercetalia roboris***												
	Chamaecytisus supinus	E1	+	.	.	+	+	.	.	.	.	.	.
	Potentilla alba	E1	1	1	.	.	.	+	+	+	.	.	.
	Serratula tinctoria	E1	.	.	.	.	+	+	.	.	.	.	.
	Carex fritschii	E1	+	.	.	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***												
	Veratrum nigrum	E1	.	.	.	.	.	.	.	+	.	+	.
	Platanthera bifolia	E1	+	.	.	.	.	.	.	.	.	.	.
	Anemone nemorosa	E1	.	+	.	.	.	.	.	.	.	.	.
	Cruciata glabra	E1	.	+	.	.	.	.	.	.	.	.	.
EP	***Erico-Pinetea***												
	Molinia arundinacea	E1	.	.	.	+	1	.	+	.	+	1	1
	Calamagrostis varia	E1	.	.	+	2	.	.	.	.	1	1	.
	Erica carnea	E1	.	.	.	.	.	.	.	.	.	.	.
	Pinus nigra	E3a	.	.	.	.	.	.	.	.	+	.	.
	Pinus nigra	E2b	.	.	.	.	.	.	.	.	.	+	.
	Pinus nigra	E2a	.	.	.	.	.	.	.	.	.	1	.
	Pinus nigra	E1	.	.	.	.	.	.	.	.	.	.	+
	Amelanchier ovalis	E2a	.	.	.	.	.	.	.	.	.	.	.
	Pinus sylvestris	E3a	.	.	.	.	.	.	.	.	.	.	.
	Pinus sylvestris	E2b	.	.	.	.	.	.	.	.	.	.	+
	Rubus saxatilis	E1	.	.	.	.	.	.	.	.	.	.	.
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	.	+	.	.	.
VP	***Vaccinio-Piceetea***												
	Vaccinium myrtillus	E1	.	+	.	.	.	.	.	.	.	.	.
O	**Other species (Druge vrste)**												
	Veronica sp.	E1	+	.	.	.	.	.	.	.	.	.	.
	Festuca sp.	E1	.	.	.	.	+	.	.	.	.	.	.
M	**Mosses (Mahovi)**												
	Tortella tortuosa	E0	.	.	.	.	.	.	.	.	.	.	.

Legend - Legenda
A Limestone - apnenec
D Dolomite - dolomit
Fl Flysch - fliš
L Marlstone - laporovec
Eu Eutric brown soil - evtrična rjava tla
Re Rendzina - rendzina
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Pr.	Fr.
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Table 5: ***Genisto sericeae-Seslerietum kalnikensis ericetosum carneae*** **and** ***Amelanchiero-Ostryetum***
Preglednica 5: ***Genisto sericeae-Seslerietum kalnikensis ericetosum carneae*** **in** ***Amelanchiero-Ostryetum***

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9			
Database number of relevé (Številka popisa v podatkovni bazi)		245378	248988	245382	248338	249099	249107	245384	245381	246776			
Elevation in m (Nadmorska višina v m)		390	385	415	430	430	420	500	410	870			
Aspect (Lega)		NNE	SE	NNE	N	NE	NE	SW	NW	SE			
Slope in degrees (Nagib v stopinjah)		10	10	10	10	15	10	10	5	30			
Parent material (Matična podlaga)		A	A	A	A	A	A	A	A	Gr			
Soil (Tla)		Re	Re	Re	Li	Re	Re	Re	Re	Re			
Stoniness in % (Kamnitost v %)		30	10	20	20	30	10	10	30	20			
Cover in % (Zastiranje v %):													
Tree layer (Drevesna plast)	E3	.	.	.	.	.	.	.	.	80			
Shrub layer (Grmovna plast)	E2	.	.	.	.	.	.	.	.	10			
Herb layer (Zeliščna plast)	E1	70	90	80	80	70	90	90	70	80			
Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.	.	.			
Number of species (Število vrst)		45	31	35	27	20	17	39	39	65			
Relevé area (Velikost popisne ploskve)	m^2	10	5	5	5	10	10	10	10	200			
Date of taking relevé (Datum popisa)		9. 10. 2012	1. 7. 2013	9. 10. 2012	13. 5. 2013	9. 10. 2012	1. 7. 2013	9. 10. 2012	9. 10. 2012	16. 6. 2011			
Locality (Nahajališče)		Sabotin	Sabotin	Sabotin	Sabotin	Sabotin	Sabotin	Sabotin	Sabotin	Mala gora-Čaven			
Quadrant (Kvadrant)		9947/4	9947/4	9947/4	9947/4	9947/4	9947/4	9947/4	9947/4	0049/3			
Geographic coordinate Y (Geografska koordinata Y)	m	392850	392892	393150	393249	393240	393144	393517	393099	411968			
Geographic coordinate X (Geografska koordinata X)	m	5096805	5096816	5096627	5096534	5096257	5096623	5096323	5096625	5086916			
Število vrst												Pr. 1-8	Fr.1-8
Diagnostic species of the association (Diagnostične vrste asociacije)													
Satu	*Genista sericea*	E1	4	4	4	4	4	4	4	4	.	8	100
ST	*Sesleria tenuifolia* subsp. *kalnikensis*	E1	4	3	4	4	3	3	3	4	+	8	100
PcSp	*Athamanta turbith*	E1	+	.	+	+	+	+	+	+	.	7	88
CA	*Allium ericetorum*	E1	+	.	.	.	.	.	.	+	.	2	25
Geographical differential species (Geografske razlikovalnice)													
ES	*Betonica alopecuros*	E1	+	.	1	1	.	+	+	.	1	5	63
PcSp	*Phyteuma scheuchzeri* subsp. *columnae*	E1	.	.	.	+	+	.	.	.	+	2	25
Differential species of the subassociation (Razlikovalnice subasociacije)													
Mo	*Gladiolus palustris*	E1	1	1	+	+	1	1	+	r	.	8	100
EP	*Erica carnea*	E1	+	+	2	3	+	.	1	1	1	7	88
Satu	***Saturejion subspicatae***												
	Scorzonera austriaca	E1	1	+	+	+	+	+	+	1	.	8	100
	Plantago argentea subsp. *liburnica*	E1	r	+	+	+	.	+	+	.	.	6	75
	Ruta divaricata	E1	r	.	1	+	.	+	+	+	.	6	75
	Allium sphaerocephalon	E1	1	.	+	.	.	.	+	+	.	4	50
	Iris pallida subsp. *illyrica*	E1	.	.	.	+	1	.	+	.	1	3	38
	Eryngium amethystinum	E1	r	.	.	.	.	.	.	r	.	2	25
	Stipa eriocaulis	E1	.	+	.	.	.	.	.	+	.	2	25
	Potentilla tommasiniana	E1	r	.	.	.	.	.	.	.	.	1	13
	Stachys subcrenata	E1	+	.	.	.	.	.	.	.	.	1	13
	Campanula marchesettii	E1	.	.	.	.	.	.	r	.	.	1	13
	Linum narbonense	E1	.	.	.	.	.	.	.	.	+	0	0

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	Pr. 1-8	Fr.1-8
SV	***Scorzonerion villosae***												
	Leucanthemum platylepis	E1	.	+	+	+	+	+	+	.	.	6	75
	Knautia illyrica	E1	+	+	.	.	.	.	.	.	.	2	25
FB	***Festuco-Brometea***												
	Inula hirta	E1	+	+	+	+	+	.	+	1	.	7	88
	Carex humilis	E1	+	.	1	+	.	.	1	+	1	5	63
	Teucrium chamaedrys	E1	+	+	.	.	1	.	+	+	+	5	63
	Bromopsis erecta (incl. B. condensata)	E1	1	.	+	.	+	.	1	.	1	4	50
	Centaurea triumfettii	E1	+	+	.	.	.	.	+	+	1	4	50
	Galium lucidum	E1	+	.	+	.	+	.	+	.	+	4	50
	Betonica serotina	E1	.	+	+	.	.	.	+	+	.	4	50
	Dianthus hyssopifolius (D. monspessulanus)	E1	.	+	+	.	.	+	+	.	+	4	50
	Polygala nicaeensis subsp. *carniolica*	E1	+	.	.	+	.	.	+	.	.	3	38
	Allium carinatum subsp. *pulchellum*	E1	.	.	+	.	.	+	.	+	.	3	38
	Teucrium montanum	E1	.	.	+	.	.	.	1	+	.	3	38
	Filipendula vulgaris	E1	1	+	.	.	.	.	.	.	.	2	25
	Melica ciliata	E1	1	.	.	.	.	.	.	+	.	2	25
	Allium senescens	E1	+	.	.	.	.	.	+	.	.	2	25
	Veronica barrelieri (Pseudolysimachion barrelieri)	E1	.	+	.	.	.	.	+	.	+	2	25
	Dorycnium germanicum	E1	.	.	.	.	+	.	1	.	.	2	25
	Asperula cynanchica	E1	.	.	.	.	.	.	+	+	.	2	25
	Galium purpureum	E1	.	.	.	.	.	.	+	+	.	2	25
	Lactuca perennis	E1	+	.	.	.	.	.	.	.	.	1	13
	Ranunculus bulbosus	E1	r	.	.	.	.	.	.	.	.	1	13
	Peucedanum oreoselinum	E1	.	.	.	+	.	.	.	.	+	1	13
	Centaurea bracteata	E1	.	.	.	.	.	.	+	.	.	1	13
	Cuscuta epithymum	E1	.	.	.	.	.	.	+	.	.	1	13
	Thymus praecox	E1	.	.	.	.	.	.	.	+	.	1	13
	Brachypodium rupestre	E1	.	.	.	.	.	.	.	.	1	0	0
	Buphthalmum salicifolium	E1	.	.	.	.	.	.	.	.	1	0	0
	Campanula glomerata	E1	.	.	.	.	.	.	.	.	+	0	0
	Gymnadenia conopsea	E1	.	.	.	.	.	.	.	.	+	0	0
	Koeleria pyramidata	E1	.	.	.	.	.	.	.	.	+	0	0
	Stachys recta	E1	.	.	.	.	.	.	.	.	+	0	0
TG	***Trifolio-Geranietea***												
	Polygonatum odoratum	E1	1	1	2	1	1	1	+	.	2	7	88
	Vincetoxicum hirundinaria	E1	+	+	+	+	.	+	1	+	1	7	88
	Anthericum ramosum	E1	+	+	+	+	.	.	.	+	1	5	63
	Dictamnus albus	E1	1	+	+	.	.	.	1	+	1	5	63
	Lilium carniolicum	E1	+	+	+	+	r	.	.	.	+	5	63
	Thalictrum minus	E1	.	.	.	+	+	.	+	+	1	4	50
	Arabis turrita	E1	.	.	+	.	.	+	+	.	.	3	38
	Geranium sanguineum	E1	.	.	.	.	.	.	+	+	+	2	25
	Iris graminea	E1	+	+	.	.	.	.	.	.	.	2	25
	Peucedanum cervaria	E1	.	.	+	+	.	.	.	.	+	2	25
	Viola hirta	E1	.	.	.	.	.	.	+	.	+	1	13
	Euphorbia angulata	E1	.	.	.	.	.	.	.	.	+	0	0
	Laserpitium latifolium	E1	.	.	.	.	.	.	.	.	1	0	0
	Libanotis daucifolia	E1	.	.	.	.	.	.	.	.	r	0	0
	Lilium bulbiferum	E1	.	.	.	.	.	.	.	.	+	0	0
	Origanum vulgare	E1	.	.	.	.	.	.	.	.	+	0	0
Mo	***Molinion caeruleae***												
	Betonica officinalis	E1	.	.	.	.	.	.	.	.	+	0	0
	Gladiolus illyricus	E1	.	.	.	.	.	.	.	.	r	0	0
MA	***Molinio-Arrhenatheretea***												
	Festuca rubra	E1	.	+	+	+	+	1	.	+	+	6	75
	Lotus corniculatus	E1	.	.	.	.	.	.	.	.	+	0	0
ES	***Elyno-Seslerietea***												
	Globularia cordifolia	E1	.	.	.	+	.	.	.	+	.	2	25
	Carduus crassifolius	E1	.	.	.	.	.	.	.	.	+	0	0
	Leucanthemum heterophyllum	E1	.	.	.	.	.	.	.	.	+	0	0
	Senecio doronicum	E1	.	.	.	.	.	.	.	.	+	0	0

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	Pr. 1-8	Fr.1-8
KC	***Koelerio-Corynephoretea***												
	Arenaria serpyllifolia	E1	+	.	.	.	.	.	+	.	.	2	25
	Trifolium arvense	E1	.	+	.	.	.	.	.	.	.	1	13
MuA	***Mulgedio-Aconitetea***												
	Aconitum lycoctonum	E1	.	.	.	.	.	.	.	.	+	0	0
SM	***Papaveretea rhoeadis (Stellarietea mediae)***												
	Erigeron annuus	E1	.	.	.	.	.	.	.	+	.	1	13
	Sonchus oleraceus	E1	.	.	.	.	.	.	.	+	.	1	13
Sys	***Sisymbrietea***												
	Crepis rhoeadifolia	E1	.	.	.	.	.	.	.	+	.	1	13
RP	***Rhamno-Prunetea***												
	Rosa glauca	E2a	.	.	.	.	.	.	.	.	+	0	0
	Viburnum lantana	E2a	.	.	.	.	.	.	.	.	+	0	0
PcSp	***Physoplexido comosae-Saxifragion petraeae***												
	Campanula pyramidalis	E1	+	.	.	.	.	.	.	.	.	1	13
	Silene hayekiana	E1	.	.	.	.	.	.	+	.	.	1	13
	Daphne alpina subsp. *scopoliana*	E1	.	.	.	.	.	.	.	+	.	1	13
TR	***Thlaspietea rotundifolii***												
	Iberis linifolia (I. intermedia)	E1	.	.	+	.	+	.	.	.	.	2	25
AF	***Aremonio-Fagion***												
	Cyclamen purpurascens	E1	+	+	1	.	.	+	.	1	+	5	63
	Anemone trifolia	E1	r	.	.	.	.	.	.	.	.	1	13
FS	***Fagetalia sylvaticae***												
	Epipactis leptochila	E1	.	.	.	.	.	.	.	.	+	0	0
	Neottia nidus-avis	E1	.	.	.	.	.	.	.	.	+	0	0
QP	***Quercetalia pubescenti-petraeae***												
	Coronilla emeroides	E2	.	.	+	+	.	+	.	+	+	4	50
	Frangula rupestris	E2a	r	.	+	1	.	.	.	.	.	3	38
	Fraxinus ornus	E3b	.	.	.	.	.	.	.	.	1	0	0
	Fraxinus ornus	E2b	.	.	.	.	.	.	.	.	1	0	0
	Fraxinus ornus	E2a	.	+	+	.	.	.	.	.	.	2	25
	Fraxinus ornus	E1	+	.	.	.	+	.	.	+	+	3	38
	Asparagus tenuifolius	E1	+	+	.	.	.	.	.	.	.	2	25
	Melittis melissophyllum	E1	+	+	.	.	.	.	.	.	1	2	25
	Quercus pubescens	E3	.	.	.	.	.	.	.	.	r	0	0
	Quercus pubescens	E2a	.	+	.	.	.	.	.	.	.	1	13
	Cotinus coggygria	E2a	.	.	+	.	.	.	.	.	.	1	13
	Sobus aria (Aria edulis)	E3	.	.	.	.	.	.	.	.	1	0	0
	Sobus aria (Aria edulis)	E2b	.	.	.	.	.	.	.	.	1	0	0
	Sobus aria (Aria edulis)	E2a	.	.	.	.	.	.	.	.	+	0	0
	Sobus aria (Aria edulis)	E1	.	.	.	.	.	.	.	.	+	0	0
	Clematis recta	E1	.	.	.	.	.	.	.	.	1	0	0
	Euonymus verrucosa	E2b	.	.	.	.	.	.	.	.	+	0	0
	Euonymus verrucosa	E2a	.	.	.	.	.	.	.	.	+	0	0
	Mercurialis ovata	E1	.	.	.	.	.	.	.	.	1	0	0
	Ostrya carpinifolia	E3	.	.	.	.	.	.	.	.	4	0	0
	Sesleria autumnalis	E1	.	.	.	.	.	.	.	.	+	0	0
QR	***Queretalia roboris***												
	Chamaecytisus supinus	E1	.	.	.	.	.	.	.	.	+	0	0
	Serratula tinctoria	E1	.	.	.	.	.	.	.	.	+	0	0
QF	***Querco-Fagetea***												
	Corylus avellana	E2b	.	.	.	.	.	.	.	.	+	0	0
	Corylus avellana	E2a	.	.	.	.	.	.	.	.	+	0	0
	Hepatica nobilis	E1	.	.	.	.	.	.	.	.	+	0	0
EP	***Erico-Pinetea***												
	Chamaecytisus hirsutus	E1	+	+	.	+	.	.	.	+	.	4	50
	Amelanchier ovalis	E2b	.	.	.	.	.	.	.	.	1	0	0
	Amelanchier ovalis	E2a	.	+	.	.	.	.	.	.	1	1	13
	Amelanchier ovalis	E1	+	.	+	.	.	.	.	.	.	2	25
	Aster amellus	E1	+	.	.	.	.	.	.	.	.	1	13
	Calamagrostis varia	E1	.	.	.	.	.	.	.	.	2	0	0
	Cotoneaster tomentosus	E2a	.	.	.	.	.	.	.	.	+	0	0

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	Pr. 1-8	Fr.1-8
M	**Mosses (Mahovi)**												
	Tortella tortuosa	E0	+	.	+	.	.	.	.	.	+	2	25
	Homalothecium lutescens	E0	.	.	.	.	.	.	.	+	.	1	13
	Scleropodium purum	E0	.	.	.	.	.	.	.	+	.	1	13

Legend - Legenda

Relevés 1-8: *Genisto sericeae-Seslerietum kalnikensis ericetosum carneae*
Relevé 9: *Amelanchiero ovalis-Ostryetum*
A Limestone - apnenec
Gr Gravel - grušč
Li Lithosol - kamnišče
Re Rendzina - rendzina
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %
Grey coloured column - nomenclatural type (sivo pobarvani stolpec je nomenklaturni tip)

Table 6: ***Bromo-Danthonietum alpinae molinietosum arundinaceae*** **and** ***Onobrychido viciifoliae-Brometum erecti***
Preglednica 6: ***Bromo-Danthonietum alpinae molinietosum arundinaceae*** **in** ***Onobrychido viciifoliae-Brometum erecti***

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
	Database number of relevé (Številka popisa v podatkovni bazi)		257871	283474	283473	283477	238014	238015	273820	283475	283476	269671	269672
	Elevation in m (Nadmorska višina v m)		925	975	970	880	570	575	630	1000	980	865	870
	Aspect (Lega)		SW	SW	S	SW	NW	W	SWW	SW	SW	SE	S
	Slope in degrees (Nagib v stopinjah)		5	15	15	5	10	10	5	40	40	15	25
	Parent material (Matična podlaga)		DL	DRG	DRG	DRG	D	D	DL	DR	DR	DR	DR
	Soil (Tla)		Dy	Dy	Eu	Eu	Re	Re	Re	Re	Re	Re	Re
	Cover in % (Zastiranje v %):												
	Shrub layer (Grmovna plast)	E2	.	.	.	.	.	.	.	.	.	.	.
	Herb layer (Zeliščna plast)	E1	100	100	100	100	100	100	100	100	100	100	100
	Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.	.	.	.	.
	Number of species (Število vrst)		56	49	64	43	56	29	44	42	45	49	54
	Relevé area (Velikost popisne ploskve)	m^2	30	30	30	30	30	30	30	30	30	30	30
	Date of taking relevé (Datum popisa)		9. 7. 2015	8. 7. 2020	8. 7. 2020	8. 7. 2020	28. 6. 2010	28. 6. 2010	12. 6. 2018	8. 7. 2020	8. 7. 2020	13. 6. 2017	13. 6. 2017
	Locality (Nahajališče)		Škofje	Jesenica-Vrh ravni-Na Krogu	Jesenica-Vrh ravni-Na Krogu	Jesenica-Vrh ravni-Na Krogu	Šebrelje-Sv. Ivan	Šebrelje-Sv. Ivan	Rodne	Jesenica-Vrh ravni-Na Krogu	Jesenica-Vrh ravni-Na Krogu	Bukovo-Kojca -Ravna njiva	Bukovo-Kojca -Ravna njiva
	Quadrant (Kvadrant)		9850/3	9849/2	9849/2	9849/2	9849/4	9849/4	9849/4	9849/2	9849/2	9849/4	9849/4
	Geographic coordinate Y (Geografska koordinata Y)	m	424463	419382	419433	419327	416634	416643	417245	419447	419480	417315	417330
	Geographic coordinate X (Geografska koordinata X)	m	5109855	5112979	5112949	5112884	5107712	5107909	5110116	5113136	5113053	5111847	5111854
	Diagnostic species of the association (Diagnostične vrste asociacije)												
FB	*Danthonia alpina*	E1	.	+	2	2	+	1	1	2	2	3	3
FB	*Filipendula vulgaris*	E1	.	.	+	1	.	+	+	.	.	+	.
NS	*Chamaespartium sagittale*	E1	.	.	.	.	.	.	.	.	.	.	.
	Differential species of the subassociation (Razlikovalnice subasociacije)												
Mo	*Gladiolus palustris*	E1	1	r	+	1	1	2	2	r	+	1	+
EP	*Molinia arundinacea*	E1	+	1	3	3	3	3	4	4	4	+	+
FB	*Centaurea bracteata*	E1	1	+	1	2	.	.	.	.	1	1	1
ES	*Betonica alopecuros*	E1	.	.	.	.	.	.	+	1	1	.	.
FB	***Festuco-Brometea***												
	Peucedanum oreoselinum	E1	3	1	3	4	1	+	1	1	1	.	1
	Brachypodium rupestre	E1	1	1	1	1	1	2	3	.	2	.	1
	Bromopsis erecta	E1	.	1	2	3	2	3	2	3	2	4	4
	Briza media	E1	1	1	2	2	2	.	.	1	+	1	.
	Buphthalmum salicifolium	E1	+	+	+	1	.	+	+	1	1	2	2
	Cirsium pannonicum	E1	1	+	+	.	+	1	+	1	2	1	3
	Galium verum	E1	1	+	1	.	1	2	1	2	2	1	1
	Koeleria pyramidata	E1	+	1	1	1	1	1	1	1	1	1	1
	Centaurea scabiosa subsp. *fritschii*	E1	.	.	+	+	2	1	1	.	.	1	1
	Gymnadenia conopsea	E1	1	.	.	+	1	+	+	.	+	1	1
	Asperula cynanchica	E1	.	.	+	.	+	+	1	+	+	1	1
	Euphorbia verrucosa	E1	1	+	1	1	+	.	+	1	+	+	.
	Trifolium montanum	E1	+	+	+	.	1	1	.	1	1	1	1
	Carex humilis	E1	.	.	.	.	+	.	.	2	+	3	3
	Hypochoeris maculata	E1	1	+	+	+	+	+	+	.	.	.	+

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
273819	273824	273825	283579	277848	277849	277851	277852	277853	238019	281784	281785	238099	277850	283564	283565	248922	281308		
635	580	585	560	830	830	865	775	790	330	330	315	780	870	780	780	296	296		
SW	SW	W	SW	SWW	SSW	NW	W	W	NE	NNE	NNE	E	NW	NE	NE	0	0		
10	5	5	25	5	10	20	25	10	25	30	25	15	25	15	15	0	0		
D	DL	DL	D	D	D	DL	D	D	DRG	DRG	DRG	D	DL	DR	DR	Al	AL		
Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Eu	Eu	Re	Re	Re	Re	Eu	Eu		
.	.	.	.	2	5	.	10	40	.	.	.	.	.	.	.	.	.		
100	100	100	100	95	98	100	98	90	100	100	100	100	100	99	99	100	100		
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
50	46	35	38	40	49	35	50	53	57	57	40	77	71	52	63	75	45		
30	30	30	30	30	30	30	30	50	30	30	30	30	30	30	30	40	30		
12. 6. 2018	12. 6. 2018	12. 6. 2018	26. 6. 2020	2. 7. 2019	2. 7. 2019	2. 7. 2019	17. 6. 2019	17. 6. 2019	28. 6. 2010	26. 6. 2020	26. 6. 2020	24. 6. 2010	17. 6. 2019	26. 6. 2020	26. 6. 2020	16. 6. 2013	31. 5. 2020		
Rodne	Rodne	Rodne	Šebrelje-Sv. Ivan	Utrški vrh-Rob	Utrški vrh-Rob	Utrški vrh-Rob	Utrški vrh-Rob	Utrški vrh-Rob	Reka-Na logu	Reka-Na logu	Reka-Na logu	Šebrelje-Lovski dom	Utrški vrh-Rob	Šebrelje-Lovski dom	Šebrelje-Lovski dom	Kleče-Roje	Kleče-Roje		
9849/4	9849/4	9849/4	9849/4	9949/1	9949/1	9949/1	9949/1	9949/1	9849/4	9849/4	9849/4	9949/2	9949/1	9949/2	9949/2	9852/4	9852/4		
417280	417327	417320	416647	414226	414223	414333	414065	414117	416704	416699	416712	416312	414346	416321	416346	460572	460572		
5110084	5109498	5109484	5107877	5103948	5103974	5103997	5104000	5103973	5108302	5108326	5108350	5104585	5103994	5104582	5104577	5107518	5107515		
																		Pr.1-27	Fr.1-27
4	3	3	1	2	3	4	3	2	.	.	.	1	1	2	1	.	.	23	85
1	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	8	30
.	.	.	.	+	+	.	1	1	.	.	.	+	.	.	.	.	.	5	19
r	1	1	+	1	+	+	1	1	2	1	+	r	+	r	+	.	.	27	100
1	2	3	2	1	3	1	.	2	+	+	4	.	1	+	.	+	.	24	89
1	1	+	.	1	1	+	+	1	+	+	1	.	+	+	+	.	.	21	78
.	+	.	.	+	+	+	1	1	+	+	.	1	1	1	1	.	.	15	56
2	1	1	2	1	2	1	2	2	+	1	+	1	.	1	1	2	.	25	93
.	2	1	1	3	4	2	4	3	3	3	3	3	3	3	3	2	1	24	89
2	.	.	4	1	+	+	+	+	2	2	2	3	2	4	4	4	4	24	89
+	1	+	1	2	1	1	+	.	2	1	1	1	2	2	1	2	2	23	85
1	1	1	.	1	1	1	+	1	1	1	.	1	1	.	1	1	+	23	85
1	1	1	2	.	1	2	2	1	1	2	1	+	2	.	.	3	2	23	85
1	2	.	+	2	.	1	1	1	1	1	1	1	1	1	.	1	1	23	85
1	1	1	1	2	.	.	2	.	1	1	.	1	3	2	2	2	+	23	85
1	1	1	+	+	1	1	.	1	1	+	1	1	+	1	1	1	2	22	81
.	+	1	+	.	+	+	1	+	1	+	+	1	1	+	+	+	.	22	81
1	1	1	.	1	+	+	1	+	.	.	.	1	1	1	1	.	.	20	74
+	+	.	+	.	+	.	+	+	+	1	.	+	.	1	1	1	1	20	74
.	.	+	.	1	+	1	+	+	+	.	.	+	1	1	1	1	1	20	74
3	1	1	3	1	1	1	+	.	.	+	.	.	+	+	1	.	.	17	63
+	.	+	.	+	.	.	+	+	.	.	.	+	+	+	+	+	.	17	63

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
Helianthemum nummularium subsp. *obscurum*	E1	1	.	1	1	+	.	+	1	1	.	+
Pimpinella saxifraga	E1	+	.	+	1	+	+	.	.	1	1	1
Sanguisorba minor agg. (mostly *S. muricata)*	E1	+	.	.	.	.	.	+	+	1	+	1
Betonica serotina	E1	.	.	+	.	.	.	+	.	.	+	.
Plantago media	E1	+	.	+	.	+	.	.	+	.	+	1
Prunella grandiflora	E1	+	.	1	2	+	.	+	.	.	1	1
Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	+	.	.	+	1	+	.	.	.	.	.
Thymus praecox	E1	.	+	+	+	.	.	.	1	+	+	+
Carex montana	E1	1	.	+	1	+	.	.	.	.	.	.
Carlina acaulis	E1	+	+	.	.	.	.	.	.	+	+	.
Inula hirta	E1	+	.	+	+	.	.	+	1	1	.	.
Salvia pratensis	E1	.	.	.	.	+	.	.	.	.	2	2
Campanula glomerata	E1	.	.	+	.	.	.	.	+	1	1	1
Linum catharticum	E1	.	.	+	.	+	.	.	.	.	1	+
Linum viscosum	E1	.	.	+	.	+	.	+	.	.	.	.
Allium carinatum subsp. *carinatum*	E1	.	+	+	.	.	.	.	.	1	.	.
Galium lucidum	E1	.	.	.	.	.	.	+	.	.	.	.
Stachys recta	E1	.	.	.	.	.	.	.	1	1	.	.
Polygala vulgaris	E1	1	.	1	.	.	.	.	.	.	.	.
Cirsium erisithales	E1	+	.	.	.	.	.	.	.	.	.	.
Orobanche gracilis	E1	+	.	+	.	+	+	.	.	.	+	1
Polygala comosa	E1	.	.	.	.	+	.	.	.	.	.	.
Cirsium x linkianum	E1	+	.	.	.	.	.	.	.	.	.	+
Genista tinctoria	E1	.	+	+	1	.	.	.	.	1	.	.
Allium carinatum subsp. *pulchellum*	E1	.	.	.	.	+	.	+	.	.	.	.
Hippocrepis comosa	E1	.	.	.	.	.	.	.	+	.	.	+
Prunella laciniata	E1	.	.	.	.	.	.	.	.	.	.	.
Gentianella germanica subsp. *rhaetica*	E1	1	+	+	1	.	.	.	.	.	.	.
Campanula rotundifolia	E1	+	.	.	.	.	.	.	.	.	.	.
Scabiosa triandra	E1	.	.	1	.	+	.	.	.	.	.	.
Euphorbia cyparissias	E1	.	.	.	.	+	.	.	1	.	.	.
Euphrasia kerneri	E1	.	.	.	.	.	.	r	.	.	.	.
Globularia punctata	E1	.	.	.	.	.	.	.	.	.	.	.
Silene vulgaris subsp. *vulgaris*	E1	.	.	.	.	.	.	.	.	.	.	.
Hieracium pilosella	E1	.	+	.	.	.	.	.	.	.	.	.
Dianthus hyssopifolius (D. monspessulanus)	E1	.	.	1	.	.	.	.	.	1	.	.
Hieracium hoppeanum	E1	.	.	+	.	.	.	.	.	.	.	.
Anacamptis pyramidalis	E1	.	.	.	.	+	.	.	.	.	.	.
Cuscuta epithymum	E1	.	.	.	.	+	.	.	.	.	.	.
Teucrium montanum	E1	.	.	.	.	.	.	.	.	.	.	.
Thesium linophyllon	E1	.	.	.	.	.	.	.	.	.	.	.
Anthyllis vulneraria	E1	.	.	.	.	.	.	.	.	.	.	.
Festuca rupicola	E1	.	.	.	.	.	.	.	.	.	.	.
Rhinanthus freynii	E1	.	.	.	.	.	.	.	.	.	.	.
Dactylorhiza sambucina	E1	+	.	.	.	.	.	.	.	.	.	.
Orchis ustulata	E1	.	.	.	.	+	.	.	.	.	.	.
Senecio jacobaea	E1	.	.	.	.	+	.	.	.	.	.	.
Ophrys insectifera	E1	.	.	.	.	r	.	.	.	.	.	.
Ranunculus bulbosus	E1	.	.	.	.	.	.	.	+	.	.	.
Neotinea tridentata (Orchis tridentata)	E1	.	.	.	.	.	.	.	.	.	+	.
Centaurium erythraea	E1	.	.	.	.	.	.	.	.	.	.	+
Veronica barrelieri (Pseudolysimachion barrelieri)	E1	.	.	.	.	.	.	.	.	.	.	.
Teucrium chamaedrys	E1	.	.	.	.	.	.	.	.	.	.	.
Carlina vulgaris	E1	.	.	.	.	.	.	.	.	.	.	.
Ononis spinosa	E1	.	.	.	.	.	.	.	.	.	.	.
Thymus pulegioides	E1	.	.	.	.	.	.	.	.	.	.	.
Carex caryophyllea	E1	.	.	.	.	.	.	.	.	.	.	.
Medicago lupulina	E1	.	.	.	.	.	.	.	.	.	.	.
Potentilla pusilla	E1	.	.	.	.	.	.	.	.	.	.	.
Silene nutans	E1	.	.	.	.	.	.	.	.	.	.	.
Medicago falcata	E1	.	.	.	.	.	.	.	.	.	.	.
Onobrychis viciifolia	E1	.	.	.	.	.	.	.	.	.	.	.
Ophrys holosericea	E1	.	.	.	.	.	.	.	.	.	.	.
Orchis militaris	E1	.	.	.	.	.	.	.	.	.	.	.
Orchis morio	E1	.	.	.	.	.	.	.	.	.	.	.
Orobanche lutea	E1	.	.	.	.	.	.	.	.	.	.	.

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Pr.1-27	Fr.1-27
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+	+	+	1	.	+	.	.	.	.	+	.	1	1	1	+	.	.	16	59
1	1	1	+	2	1	1	+	1	.	.	.	.	+	.	+	.	1	14	52
1	+	+	.	.	.	.	.	.	+	+	.	1	+	.	+	+	1	14	52
1	1	1	+	.	.	+	.	.	.	.	+	.	+	.	.	.	+	14	52
.	.	.	.	+	.	.	+	+	+	1	1	+	+	+	+	1	2	14	52
.	+	+	.	.	1	.	.	.	.	1	.	.	+	1	1	.	+	14	52
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+	.	.	+	1	1	1	+	.	.	.	.	1	3	+	.	1	2	12	44
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
Satu	***Saturejion subspicatae***												
	Plantago argentea subsp. *liburnica*	E1	.	.	.	.	.	.	.	.	.	+	.
	Gentiana tergestina	E1	.	.	.	.	.	.	.	.	.	.	.
SV	***Scorzonerion villosae***												
	Knautia illyrica	E1	.	.	.	.	.	.	.	.	.	.	.
	Leucanthemum platylepis	E1	.	.	.	.	.	.	.	.	.	+	.
Mo	***Molinion caeruleae***												
	Betonica officinalis	E1	+	+	1	+	1	2	.	.	.	.	.
	Molinia caerulea subsp. *caerulea*	E1	1	+	1	.	.	.	.	.	.	.	.
	Succisa pratensis	E1	1	+	+	.	.	.	.	.	.	.	.
	Colchicum autumnale	E1	.	.	.	.	.	.	.	.	.	.	.
	Carex tomentosa	E1	.	.	.	.	.	.	.	.	.	.	.
	Gladiolus illyricus	E1	.	.	.	.	.	.	.	.	.	.	.
	Epipactis palustris	E1	.	.	.	.	.	.	.	.	.	.	.
PaT	***Poo alpinae-Trisetetalia***												
	Agrostis capillaris	E1	.	+	1	1	+	.	.	.	.	.	.
	Anthoxanthum odoratum	E1	.	.	+	+	.	.	.	.	.	.	.
	Festuca nigrescens	E1	3	.	.	.	.	.	.	.	.	.	.
	Traunsteinera globosa	E1	+	.	.	.	.	.	.	.	.	+	.
	Trollius europaeus	E1	.	.	+	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***												
	Lotus corniculatus	E1	.	+	+	+	+	+	1	1	1	+	+
	Festuca rubra	E1	.	.	.	+	+	.	+	+	.	1	+
	Leucanthemum ircutianum	E1	.	+	1	1	1	+	.	.	.	.	1
	Leontodon hispidus	E1	+	+	+	+	.	.	.	.	.	.	+
	Plantago lanceolata	E1	.	+	+	1	+	.	.	.	.	.	.
	Dactylis glomerata	E1	.	.	.	.	2	1	.	.	.	+	1
	Tragopogon pratensis subsp. *orientalis*	E1	.	.	.	+	+	.	.	.	.	+	+
	Astrantia major	E1	+	+	+	1	.	.	.	.	1	+	+
	Trifolium pratense	E1	.	.	.	+	.	.	.	.	.	.	+
	Holcus lanatus	E1	.	.	+	.	.	.	.	.	.	+	.
	Festuca arundinacea	E1	.	.	.	.	.	.	.	.	.	.	.
	Festuca pratensis	E1	.	.	.	.	.	.	.	.	.	.	.
	Helictotrichon pubescens	E1	.	.	.	.	.	.	.	.	.	.	.
	Prunella vulgaris	E1	+	.	.	.	.	.	.	.	.	.	.
	Euphrasia rostkoviana	E1	.	.	.	.	+	.	.	.	.	.	.
	Centaurea jacea	E1	.	.	.	.	.	1	.	.	.	.	.
	Arrhenatherum elatius	E1	.	.	.	.	.	.	.	.	.	.	.
	Lathyrus pratensis	E1	.	.	.	.	.	.	.	.	+	.	.
	Vicia cracca	E1	.	.	.	.	.	.	.	.	.	.	.
	Festuca apennina ?	E1	.	.	.	.	.	.	.	.	.	.	.
	Orobanche vulgaris	E1	.	.	.	.	.	.	.	.	.	.	.
	Galium mollugo	E1	.	.	.	.	.	.	.	.	.	.	.
	Galium album	E1	.	.	.	.	.	.	.	.	.	.	.
	Rumex acetosa	E1	.	.	.	.	.	.	.	.	.	.	.
	Achillea millefolium	E1	.	.	.	.	.	.	.	.	.	.	.
	Achillea roseoalba	E1	.	.	.	.	.	.	.	.	.	.	.
	Allium scorodoprasum	E1	.	.	.	.	.	.	.	.	.	.	.
	Knautia arvensis	E1	.	.	.	.	.	.	.	.	.	.	.
	Orchis coriophora	E1	.	.	.	.	.	.	.	.	.	.	.
	Poa pratensis	E1	.	.	.	.	.	.	.	.	.	.	.
	Trisetum flavescens	E1	.	.	.	.	.	.	.	.	.	.	.
NS	***Nardetalia strictae***												
	Potentilla erecta	E1	1	+	+	.	+	1	1	+	1	+	+
	Danthonia decumbens	E1	3	3	2	1	.	.	.	.	.	.	.
	Calluna vulgaris	E1	3	1	.	.	.	.	.	.	.	.	.
	Festuca filiformis	E1	2	1	+	.	.	.	.	.	.	.	.
	Genista germanica	E1	.	.	.	.	.	.	.	+	.	.	.
	Nardus stricta	E1	1	3	.	.	.	.	.	.	.	.	.
	Avenella flexuosa	E1	.	+	.	.	.	.	.	.	.	.	.
	Galium pumilum	E1	.	.	.	.	.	.	.	.	.	.	.
	Alchemilla flabellata	E1	.	.	.	.	.	.	.	.	.	.	.
	Arnica montana	E1	+	.	.	.	.	.	.	.	.	.	.
	Genista pilosa	E1	+	.	.	.	.	.	.	.	.	.	.
	Luzula multiflora	E1	.	+	.	.	.	.	.	.	.	.	.
	Rhinanthus minor	E1	.	.	.	.	.	.	.	.	.	.	.
	Carex pallescens	E1	.	.	.	.	.	.	.	.	.	.	.

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Pr.1-27	Fr.1-27
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
	Luzula campestris	E1	.	.	.	.	.	.	.	.	.	.	.
CA	***Caricion austroalpinae***												
	Allium ericetorum	E1	.	.	.	.	.	.	r	.	.	.	.
ES	***Elyno-Seslerietea***												
	Rhinanthus glacialis	E1	2	+	1	1	1	.	.	.	.	1	1
	Campanula witasekiana	E1	.	+	.	.	.	.	.	.	.	.	.
	Sesleria caerulea	E1	.	.	.	.	.	.	2	.	.	.	.
	Phyteuma orbiculare	E1	.	.	.	.	.	.	.	.	.	.	.
	Galium anisophyllum	E1	.	.	.	.	.	.	.	+	.	.	.
	Globularia cordifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Gentiana verna	E1	.	.	.	.	.	.	.	.	.	.	.
	Arabis ciliata	E1	.	.	.	.	.	.	.	.	.	.	.
KC	***Koelerio-Corynephoretea***												
	Trifolium campestre	E1	.	.	.	.	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***												
	Tofieldia calyculata	E1	.	.	.	.	.	.	.	.	.	.	.
	Parnassia palustris	E1	.	.	.	.	.	.	.	.	.	.	.
	Carex panicea	E1	.	.	.	.	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***												
	Veratrum album	E1	.	.	.	+	.	.	.	.	.	.	.
	Centaurea montana	E1	.	.	.	.	.	.	.	.	.	.	1
TG	***Trifolio-Geranietea***												
	Thesium bavarum	E1	+	r	.	.	+	.	+	.	+	.	+
	Polygonatum odoratum	E1	1	+	+	+	1	.	+	+	.	+	.
	Thalictrum minus	E1	.	.	.	.	+	+	+	1	+	+	1
	Anthericum ramosum	E1	2	1	2	1	+	.	+	1	1	.	.
	Vicia sylvatica	E1	+	+	+	+	.	.	.	.	1	+	+
	Laserpitium latifolium	E1	.	r	+	+	.	.	.	.	+	+	+
	Lilium carniolicum	E1	.	.	.	.	.	.	.	.	.	.	+
	Trifolium rubens	E1	.	.	.	.	.	.	.	+	+	+	+
	Grafia golaka	E1	.	.	.	.	.	.	.	.	.	.	.
	Viola hirta	E1	.	.	.	.	.	.	+	.	.	.	.
	Hypericum perforatum	E1	.	.	.	.	.	+	.	.	+	.	.
	Geranium sanguineum	E1	.	.	.	.	.	.	.	+	1	.	.
	Iris graminea	E1	.	.	.	.	.	.	.	.	.	.	+
	Laserpitium siler	E1	.	.	.	.	.	.	.	.	.	.	.
	Salvia pratensis subsp. *saccardiana*	E1	.	.	.	.	.	.	.	.	.	.	.
	Peucedanum cervaria	E1	.	.	.	.	.	.	.	.	.	.	.
	Clinopodium vulgare	E1	.	.	.	.	.	.	.	.	.	.	.
	Lilium bulbiferum	E1	.	.	.	.	.	.	.	.	.	.	.
	Ornithogalum sphaerocarpum	E1	.	.	.	.	.	.	.	.	.	.	.
BA	***Betulo-Alnetea***												
	Salix appendiculata	E2a	.	.	.	.	.	.	.	.	.	.	.
RP	***Rhamno-Prunetea***												
	Juniperus communis	E2a	.	.	.	.	.	.	.	.	.	.	.
	Rhamnus catharticus	E2a	.	.	.	.	.	.	.	.	.	.	.
	Juniperus communis	E2b	.	.	.	.	.	.	.	.	.	.	.
	Prunus spinosa	E2a	.	.	.	.	.	.	.	.	.	.	.
TR	***Thlaspietea rotundifolii***												
	Biscutella laevigata	E1	.	+	+	.	+	.	.	.	.	+	+
	Peucedanum verticillare	E1	.	.	.	.	.	.	.	.	.	.	.
AI	***Alnion incanae***												
	Frangula alnus	E1	.	.	.	.	.	.	+	.	.	.	.
AF	***Aremonio-Fagion***												
	Knautia drymeia	E1	1	.	+	.	.	.	+	+	+	+	.
	Omphalodes verna	E1	.	.	.	.	.	.	.	.	.	.	.
	Hacquetia epipactis	E1	.	.	.	.	.	.	.	.	.	.	.
	Anemone trifolia	E1	.	.	.	.	.	.	.	.	.	.	.
	Helleborus niger	E1	.	.	.	.	.	.	.	.	.	.	.
EC	***Erythronio-Carpinion***												
	Primula vulgaris	E1	.	.	.	.	.	.	.	.	.	.	.
	Helleborus odorus	E1	.	.	.	.	.	.	.	.	.	.	.
FS	***Fagetalia sylvaticae***												
	Fagus sylvatica	E2b	.	.	.	.	.	.	.	.	.	.	.
	Fagus sylvatica	E1	.	.	.	.	.	.	.	.	.	.	.
	Melica nutans	E1	.	.	.	.	.	.	.	.	.	.	.
	Symphytum tuberosum	E1	.	.	.	.	.	.	.	.	.	.	.

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Pr.1-27	Fr.1-27
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11
QP	***Quercetalia pubescenti-petraeae***												
	Carex flacca	E1	+	.	1	.	+	+	1	1	1	+	+
	Convallaria majalis	E1	1	.	.	.	+	.	1	.	.	.	.
	Ostrya carpinifolia	E2b	.	.	.	.	.	.	.	.	.	.	.
	Ostrya carpinifolia	E2a	.	.	.	.	.	.	.	.	.	.	.
	Ostrya carpinifolia	E1	.	.	.	.	.	.	.	.	+	.	.
	Tanacetum corymbosum	E1	.	+	+	.	.	.	.	+	.	.	.
	Sorbus aria (Aria edulis)	E2a	.	.	.	.	.	.	.	.	.	.	.
	Sorbus aria (Aria edulis)	E1	.	.	.	.	.	.	.	+	.	.	.
	Fraxinus ornus	E2b	.	.	.	.	.	.	.	.	.	.	.
	Fraxinus ornus	E2a	.	.	.	.	.	.	.	.	.	.	.
	Fraxinus ornus	E1	.	.	.	.	.	.	.	.	.	.	.
QR	***Quercetalia roboris***												
	Serratula tinctoria	E1	+	1	1	1	.	.	.	.	.	.	.
	Chamaecytisus supinus	E1	.	+	.	.	.	.	.	.	.	.	.
	Quercus robur	E1	.	.	.	.	+	.	.	.	.	.	.
	Potentilla alba	E1	.	.	.	.	.	.	+	.	.	.	.
	Quercus petraea	E1	.	+	.	.	.	.	.	.	.	.	+
	Betula pendula	E2b	.	.	.	.	.	.	.	.	.	.	.
	Pteridium aquilinum	E1	.	.	.	.	.	.	.	.	.	.	.
	Populus tremula	E1	.	.	.	.	.	.	.	.	.	.	.
	Betula pendula	E1	.	.	.	.	.	.	.	.	.	.	.
QF	***Querco-Fagetea***												
	Cruciata glabra	E1	.	.	+	.	.	.	.	+	.	.	+
	Anemone nemorosa	E1	.	.	+	.	.	.	.	.	.	.	.
	Corylus avellana	E2b	.	.	.	.	.	.	.	.	.	.	.
	Corylus avellana	E2a	.	.	.	.	.	.	.	.	.	.	.
	Veratrum nigrum	E1	.	.	.	.	.	.	.	.	.	.	+
	Platanthera bifolia	E1	+	.	.	.	.	.	.	.	.	.	.
	Dactylorhiza fuchsii	E1	.	.	.	.	.	.	.	.	.	.	.
EP	***Erico-Pinetea***												
	Erica carnea	E1	.	.	.	.	.	1	1	2	.	.	.
	Chamaecytisus purpureus	E1	.	.	.	.	+	.	1	.	.	+	+
	Calamagrostis varia	E1	.	.	.	.	.	.	.	+	+	.	.
	Pinus sylvestris	E2b	.	.	.	.	.	.	.	.	.	.	.
	Pinus sylvestris	E2a	.	.	.	.	.	.	r	.	.	.	.
	Polygala chamaebuxus	E1	.	.	.	.	.	.	.	.	.	.	.
	Aquilegia nigricans	E1	.	.	.	.	.	.	.	.	.	.	.
	Crepis slovenica	E1	1	.	.	.	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***												
	Phegopteris connectilis	E1	.	.	.	.	.	.	.	.	.	.	.
	Picea abies	E2	.	.	.	.	.	.	.	.	.	.	.

Legend - Legenda

Relevés 1-27: *Bromo-Danthonietum calycinae molinietosum arundinaceae*
Relevés 28-29: *Onobrychido-Brometum erecti*
D Dolomite - dolomit
L Marlstone - laporovec
G Claystone - glinavec
R Chert - roženec
Al Alluvium - prod, rečni nanosi
Re Rendzina - rendzina
Eu Eutryc brown soil - evtrična rjava tla
Dy Dystric brown soil - distrična rjava tla
? Determination is unsure - določitev je nezanesljiva
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %
Grey coloured column - nomenclatural type (sivo pobarvani stolpec je nomenklaturni tip)

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Pr.1-27	Fr.1-27
.	+	.	.	+	+	1	1	1	.	+	1	+	+	1	.	1	+	20	74
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1	1	+	1	.	.	.	.	.	.	.	.	.	.	.	.	1	1	8	30
.	.	.	.	.	+	1	.	.	+	.	.	.	+	+	+	.	.	8	30
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Table 7: *Gladiolo palustris-Molinietum arundinaceae* and *Molinio arundinaceae-Ostryetum* nom. prov.
Preglednica 7: *Gladiolo palustris-Molinietum arundinaceae* in *Molinio arundinaceae-Ostryetum* nom. prov.

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7
	Database number of relevé (Številka popisa v podatkovni bazi)		283479	215933	215935	215944	215945	215942	283516
	Elevation in m (Nadmorska višina v m)		870	650	630	610	610	630	320
	Aspect (Lega)		W	NW	N	NW	NW	N	NE
	Slope in degrees (Nagib v stopinjah)		10	20	5	5	5	10	30
	Parent material (Matična podlaga)		DRG	Mo	Mo	Mo	Mo	Mo	DL
	Soil (Tla)		Eu	Re	Eu	Eu	Eu	Eu	Re
	Stoniness in % (Kamnitost v %)		.	.	.	.	.	.	.
	Cover in % (Zastiranje v %):								
	Tree layer (Drevesna plast)	E3	.	.	.	.	.	.	.
	Shrub layer (Grmovna plast)	E2	.	10	10	.	.	.	.
	Herb layer (Zeliščna plast)	E1	99	100	100	100	100	100	100
	Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.
	Number of species (Število vrst)		35	30	45	41	32	40	19
	Relevé area (Velikost popisne ploskve)	m^2	30	30	30	30	30	30	30
	Date of taking relevé (Datum popisa)		8. 7. 2020	2. 7. 2007	2. 7. 2007	2. 7. 2007	2. 7. 2007	2. 7. 2007	2. 7. 2020
	Locality (Nahajališče)		Jesenica-Vrh ravni-Na Krogu	Bohinj-Žlan	Bohinj-Žlan	Bohinj-Žlan	Bohinj-Žlan	Bohinj-Žlan	Kozjek-Dolc
	Quadrant (Kvadrant)		9849/2	9749/2	9749/2	9749/2	9749/2	9749/2	9948/2
	Geographic coordinate Y (Geografska koordinata Y)	m	419335	417062	417128	417677	417690	417166	409595
	Geographic coordinate X (Geografska koordinata X)	m	5112859	5124731	5124742	5124845	5124864	5124726	5105379
	Diagnostic species of the associations (Diagnostične vrste asociacij)								
EP	*Molinia arundinacea*	E1	3	4	3	4	4	4	5
Mo	*Gladiolus palustris*	E1	r	1	1	1	2	+	1
QP	*Fraxinus ornus*	E3b	.	.	.	.	.	.	.
QP	*Fraxinus ornus*	E3a	.	.	.	.	.	.	.
QP	*Fraxinus ornus*	E2b	.	.	.	.	.	.	.
QP	*Fraxinus ornus*	E2a	.	.	.	.	.	.	.
QP	*Fraxinus ornus*	E1	.	+	.	.	.	+	.
QP	*Ostrya carpinifolia*	E3b	.	.	.	.	.	.	.
QP	*Ostrya carpinifolia*	E3a	.	.	.	.	.	.	.
QP	*Ostrya carpinifolia*	E2b	.	.	.	.	.	.	.
QP	*Ostrya carpinifolia*	E2a	.	.	.	.	.	.	.
QP	*Ostrya carpinifolia*	E1	.	.	.	.	.	.	.
QP	*Sorbus aria (Aria edulis)*	E3b	.	.	.	.	.	.	.
QP	*Sorbus aria (Aria edulis)*	E2b	.	.	.	.	.	.	.
QP	*Sorbus aria (Aria edulis)*	E2a	.	.	.	.	.	.	.
QP	*Sorbus aria (Aria edulis)*	E1	.	.	.	.	.	.	.
FB	***Festuco-Brometea***								
	Peucedanum oreoselinum	E1	+	1	1	1	2	1	.
	Brachypodium rupestre	E1	2	2	1	1	2	1	+
	Galium verum	E1	.	1	1	1	1	1	1
	Buphthalmum salicifolium	E1	+	+	1	1	1	1	+
	Carex humilis	E1	.	.	.	.	.	.	+
	Centaurea scabiosa subsp. *fritschii*	E1	.	+	+	+	+	+	.
	Prunella grandiflora	E1	.	.	+	+	+	.	.
	Inula hirta	E1	.	.	.	.	.	.	.

8	9	10	11	12	13	14	15	16	17	18	19	20		
283519	283517	283518	283526	255794	255793	283490	283491	283522	283511	283515	283524	283530		
330	360	340	250	330	290	290	310	270	300	320	300	230		
NE	N	N	NE	NE	NE	NW	NE	NE	N	NEE	E	SE		
30	10	15	25	25	35	40	30	35	40	30	35	30		
DL	DL	DL	DL	D	D	D	D	D	DL	DL	DL	D		
Re	Eu	Eu	Re	Re	Re	Re	Re	Re	Eu	Re	Re	Re		
.	.	.	.	5	10	.	.	10	5	.	1	10		
.	.	.	.	.	50	60	60	60	50	50	80	60		
.	.	20	10	30	30	20	10	20	20	20	30	30		
95	100	95	100	100	80	95	90	90	90	100	95	80		
.	.	.	.	.	5	5	5	5	5	5	2	5		
13	25	26	31	55	83	62	49	58	52	37	66	46		
30	30	30	30	200	200	400	400	30	400	400	400	400		
2. 7. 2020	2. 7. 2020	2. 7. 2020	2. 7. 2020	26. 6. 2000	26. 6. 2000	19. 6. 2020	19. 6. 2020	2. 7. 2020	27. 5. 2020	2. 7. 2020	2. 7. 2020	2. 7. 2020		
Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Dolc	Kozjek-Presečar		
9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2	9948/2		
409578	409547	409569	409684	409573	409654	409648	409623	409665	409608	409601	409625	409477		
5105369	5105285	5105346	5105458	5105298	5105390	5105410	5105393	5105426	5105405	5105373	5105312	5105514		
													Pr.	Fr.
5	4	5	4	3	2	4	4	2	4	5	4	2	20	100
+	1	+	+	1	1	1	1	+	r	2	r	+	20	100
.	.	.	.	.	+	.	1	1	.	+	1	.	5	25
.	.	.	.	.	.	.	.	.	1	2	.	.	2	10
.	.	+	.	1	1	1	1	2	+	.	2	1	9	45
.	.	.	.	+	1	.	.	1	.	1	1	.	5	25
.	.	.	1	.	.	1	.	.	+	.	.	.	5	25
.	.	.	.	.	1	2	2	2	2	2	3	3	8	40
.	.	.	.	.	.	.	.	.	1	1	.	.	2	10
.	.	.	.	+	1	1	2	1	1	.	.	2	7	35
.	.	.	.	.	1	.	.	.	.	.	.	.	1	5
.	+	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	1	+	1	2	.	4	20
.	.	r	.	+	1	+	+	+	1	1	.	.	8	40
.	.	.	.	+	1	.	.	.	.	+	.	.	3	15
.	+	.	.	.	.	.	.	.	.	.	.	.	1	5
+	1	+	+	1	1	1	+	+	+	1	+	1	19	95
1	1	1	2	+	2	3	3	1	.	.	1	.	17	85
1	1	+	.	1	1	1	1	1	.	1	+	1	17	85
+	.	.	.	1	1	+	.	1	.	+	1	1	15	75
+	+	+	+	.	.	1	+	2	+	1	+	2	12	60
.	.	.	.	.	+	+	.	+	.	.	.	.	8	40
.	+	.	.	+	+	.	+	.	.	.	+	.	8	40
.	1	.	+	+	+	1	+	+	.	+	.	.	8	40

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7
	Cirsium erisithales	E1	.	.	.	.	.	.	.
	Dorycnium herbaceum	E1	.	.	.	.	.	.	.
	Cirsium pannonicum	E1	+	.	.	.	.	.	.
	Gymnadenia conopsea	E1	.	.	+	+	+	.	.
	Carlina acaulis	E1	+	+	+	.	.	.	.
	Filipendula vulgaris	E1	.	+	+	+	1	1	.
	Campanula rotundifolia	E1	.	+	1	+	+	+	.
	Trifolium montanum	E1	.	.	+	+	+	+	.
	Euphorbia verrucosa	E1	.	.	.	.	.	.	.
	Teucrium chamaedrys	E1	.	.	.	.	.	.	.
	Hypochoeris maculata	E1	+	.	+	+	.	.	.
	Briza media	E1	.	.	1	+	+	+	.
	Koeleria pyramidata	E1	.	.	+	.	+	+	.
	Bromopsis erecta	E1	.	.	.	.	.	.	.
	Centaurea bracteata	E1	.	.	.	.	.	.	.
	Allium carinatum subsp. *carinatum*	E1	.	.	.	.	.	.	.
	Genista tinctoria	E1	+	.	.	.	.	.	.
	Dorycnium germanicum	E1	.	.	.	+	+	.	.
	Linum viscosum	E1	.	.	.	r	.	.	.
	Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	.	.	.	.	+	+	.
	Campanula glomerata	E1	.	.	.	.	.	+	.
	Anacamptis pyramidalis	E1	.	.	.	.	.	.	r
	Carex montana	E1	.	.	.	.	.	.	.
	Galium lucidum	E1	.	.	.	.	.	.	.
	Thymus praecox	E1	.	.	.	.	.	.	.
	Danthonia alpina	E1	+	.	.	.	.	.	.
	Plantago media	E1	.	.	r	.	.	.	.
	Salvia pratensis	E1	.	.	+	.	.	.	.
	Centaurea triumfettii	E1	.	.	.	.	.	.	.
	Cirsium x linkianum	E1	.	.	.	.	.	.	.
	Galium purpureum	E1	.	.	.	.	.	.	.
	Allium carinatum subsp. *pulchellum*	E1	.	.	.	.	.	.	.
	Teucrium montanum	E1	.	.	.	.	.	.	.
	Scabiosa triandra	E1	.	.	.	.	.	.	.
Satu	***Saturejion subspicatae***								
	Satureja montana subsp. *variegata*	E1	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***								
	Thalictrum minus	E1	.	+	+	+	+	+	+
	Anthericum ramosum	E1	1	1	1	1	1	1	.
	Peucedanum cervaria	E1	.	.	.	.	.	.	+
	Vincetoxicum hirundinaria	E1	.	.	.	.	.	.	.
	Polygonatum odoratum	E1	.	.	.	.	.	.	+
	Iris graminea	E1	.	.	.	.	.	.	.
	Salvia pratensis subsp. *saccardiana*	E1	.	.	.	.	.	.	.
	Laserpitium siler	E1	.	.	.	.	.	.	.
	Thesium bavarum	E1	.	.	.	.	.	.	.
	Trifolium rubens	E1	.	.	.	.	.	.	.
	Lilium carniolicum	E1	.	.	.	.	.	.	.
	Grafia golaka	E1	.	.	.	.	.	.	.
	Campanula rapunculoides	E1	.	.	.	.	.	.	.
	Vicia sylvatica	E1	+	.	.	.	.	.	.
	Trifolium medium	E1	.	.	.	.	.	+	.
	Viola hirta	E1	.	.	.	.	.	.	.
	Euphorbia angulata	E1	.	.	.	.	.	.	.
	Digitalis grandiflora	E1	.	.	.	.	.	.	.
MO	***Molinion caeruleae***								
	Succisa pratensis	E1	.	.	+	1	+	+	.
	Betonica officinalis	E1	1	.	+	1	2	.	.
	Galium boreale	E1	.	+	+	+	.	1	.
	Molinia caerulea subsp. *caerulea*	E1	.	.	1	1	+	1	.
	Colchicum autumnale	E1	.	.	+	.	.	.	.
	Epipactis palustris	E1	.	.	.	.	.	+	.
	Inula salicina	E1	.	.	.	.	.	.	.
PaT	***Poo alpinae-Trisetetalia***								
	Agrostis capillaris	E1	+	+	.	+	+	.	.

8	9	10	11	12	13	14	15	16	17	18	19	20	Pr.	Fr.
.	.	.	+	+	+	+	+	+	1	.	.	+	8	40
.	+	+	.	+	+	+	.	.	.	+	.	+	7	35
.	+	.	.	+	+	.	.	+	.	+	.	.	6	30
.	.	.	.	+	1	.	.	+	.	.	.	.	6	30
.	+	.	.	.	+	.	.	.	.	.	.	.	5	25
.	.	.	.	.	.	.	.	.	.	.	.	.	5	25
.	.	.	.	.	.	.	.	.	.	.	.	.	5	25
.	.	.	.	.	.	.	.	.	.	+	.	.	5	25
.	.	.	.	.	+	1	+	+	.	.	1	.	5	25
.	.	.	.	.	+	+	.	.	.	1	+	1	5	25
.	.	.	.	+	.	.	.	.	.	.	.	.	4	20
.	.	.	.	.	.	.	.	.	.	.	.	.	4	20
.	.	.	.	.	.	+	.	.	.	.	.	.	4	20
.	.	.	.	.	+	1	.	1	+	.	.	.	4	20
.	.	.	.	+	1	.	.	.	.	.	.	+	3	15
.	.	.	.	.	.	.	+	1	.	+	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	1	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	+	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	1	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	r	.	.	.	.	.	.	.	2	10
.	.	.	.	+	.	.	.	.	+	.	.	.	2	10
.	.	.	.	.	+	.	.	.	.	.	.	+	2	10
.	.	.	.	.	.	+	.	.	.	.	+	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	1	.	.	.	.	1	5
.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	1	1	5
.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
.	.	.	.	.	.	.	.	.	.	.	.	1	1	5
.	.	+	+	.	+	+	+	1	+	.	+	.	14	70
.	+	.	.	1	1	.	.	+	.	.	.	.	10	50
.	+	+	.	1	1	1	+	+	.	+	1	.	10	50
.	.	+	.	+	+	+	1	1	+	+	1	.	9	45
.	.	.	1	1	1	+	.	1	.	+	.	.	7	35
.	.	.	+	+	+	1	+	.	+	.	+	.	7	35
.	.	.	.	+	+	+	.	+	+	.	+	+	7	35
.	.	.	.	1	2	+	.	1	.	.	+	.	5	25
.	.	.	.	+	+	+	.	1	.	.	.	.	4	20
.	.	.	+	+	+	.	.	.	.	.	.	.	3	15
.	.	.	.	.	1	.	+	.	+	.	.	.	3	15
.	.	.	.	.	+	+	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	+	.	+	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	+	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	1	1	5
.	.	.	.	+	+	.	.	.	.	.	.	.	6	30
.	.	.	.	.	.	.	.	.	.	.	1	.	5	25
.	.	.	.	.	.	.	.	.	.	.	.	.	4	20
.	.	.	.	.	.	.	.	.	.	.	.	.	4	20
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	4	20

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7
	Festuca nigrescens	E1	2	.	+	.	.	.	.
	Anthoxanthum odoratum	E1	.	.	1	+	.	.	.
MA	***Molinio-Arrhenatheretea***								
	Lotus corniculatus	E1	.	.	+	+	.	+	.
	Centaurea jacea	E1	1	+	+	+	+	+	.
	Astrantia major	E1	1	1	.	.	.	+	.
	Plantago lanceolata	E1	+	.	.	.	+	+	.
	Leucanthemum ircutianum	E1	.	+	+	+	.	.	.
	Dactylis glomerata	E1	.	.	+	+	.	1	.
	Leontodon hispidus	E1	.	.	+	.	.	.	.
	Tragopogon pratensis subsp. *orientalis*	E1	.	.	.	+	.	.	.
	Galium mollugo	E1	.	.	.	.	.	+	.
	Trifolium pratense	E1	.	.	.	.	.	+	.
NS	***Nardetalia strictae***								
	Potentilla erecta	E1	1	+	.	1	+	.	1
	Danthonia decumbens	E1	3	.	+	+	.	.	.
	Arnica montana	E1	2	.	r	.	.	.	.
	Calluna vulgaris	E1	1	.	.	+	.	.	.
	Avenella flexuosa	E1	1	.	.	.	.	.	.
	Festuca filiformis	E1	1	.	.	.	.	.	.
	Luzula campestris	E1	+	.	.	.	.	.	.
	Genista germanica	E1	.	.	.	.	.	.	.
CA	***Caricion austroalpinae***								
	Allium ericetorum	E1	.	.	.	.	.	.	.
	Laserpitium peucedanoides	E1	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***								
	Phyteuma orbiculare	E1	.	.	.	+	.	.	+
	Sesleria caerulea	E1	.	.	.	.	.	.	+
	Betonica alopecuros	E1	.	.	.	.	.	.	.
	Rhinanthus glacialis	E1	+	.	+	.	.	.	.
	Gymnadenia odoratissima	E1	.	.	.	.	.	.	.
CD	***Caricetalia davallianae***								
	Tofieldia calyculata	E1	.	.	+	.	.	.	.
	Carex panicea	E1	.	.	.	.	.	+	.
BA	***Betulo-Alnetea***								
	Salix appendiculata	E2b	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***								
	Lathyrus occidentalis var. *montanus*	E1	.	.	.	.	.	.	.
	Veratrum album	E1	.	.	.	.	.	.	.
	Thalictrum aquilegiifolium	E1	.	.	.	.	.	.	.
	Centaurea montana	E1	.	.	.	.	.	.	.
EA	***Epilobietea angustifolii***								
	Eupatorium cannabinum	E1	r	.	.	.	.	.	.
SSC	***Sambuco-Salicion capreae***								
	Sorbus aucuparia	E2a	.	+	.	.	.	.	.
	Salix caprea	E1	.	.	.	.	.	+	.
RP	***Rhamno-Prunetea***								
	Viburnum lantana	E2b	.	.	.	.	.	.	.
	Viburnum lantana	E2a	.	.	.	.	.	.	.
	Rhamnus catharticus	E2b	.	.	.	.	.	.	.
	Rhamnus catharticus	E2a	.	.	.	.	.	.	.
	Rhamnus catharticus	E1	.	.	.	.	.	+	.
	Juniperus communis	E2b	.	.	.	.	.	.	.
	Juniperus communis	E2a	.	.	.	.	.	.	.
	Crataegus monogyna	E2b	.	.	.	.	.	.	.
	Berberis vulgaris	E2b	.	.	.	.	.	.	.
	Berberis vulgaris	E2a	.	.	.	.	.	.	.
	Ligustrum vulgare	E2a	.	.	.	.	.	.	.
	Cornus sanguinea	E2b	.	.	.	.	.	.	.
TR	***Thlaspietea rotundifolii***								
	Biscutella laevigata	E1	.	.	.	.	.	.	.
AI	***Alnion incanae*** **(incl. *Salicetea purpureae*)**								
	Frangula alnus	E2a	.	+	.	.	.	.	.
	Frangula alnus	E2b	.	.	.	.	.	.	.
	Frangula alnus	E1	.	.	+	+	+	+	.

8	9	10	11	12	13	14	15	16	17	18	19	20	Pr.	Fr.
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	+	.	.	.	+	+	.	1	.	.	+	.	8	40
.	.	.	.	.	.	.	.	.	.	.	.	.	6	30
.	.	.	.	.	.	.	.	.	.	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
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.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	1	+	+	+	+	1	+	+	+	.	+	+	16	80
.	.	.	.	.	.	.	.	.	.	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	r	.	.	.	1	5
+	+	.	1	.	1	2	1	1	2	1	.	1	12	60
1	1	.	.	+	1	1	2	4	1	+	+	2	12	60
.	.	+	.	+	1	1	1	1	1	.	1	.	8	40
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	+	.	.	.	+	2	10
.	.	.	.	.	+	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	+	+	.	.	.	.	.	.	2	10
.	.	.	+	+	+	+	+	.	.	.	1	.	6	30
.	.	.	1	+	.	.	.	.	1	.	.	.	3	15
.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
.	.	.	.	.	.	.	.	.	1	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	+	+	.	+	1	4	20
.	.	.	.	.	+	+	+	+	.	+	.	1	6	30
.	.	.	.	.	+	.	.	.	+	.	+	.	3	15
.	.	.	.	+	+	.	.	+	.	.	1	+	5	25
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	+	1	1	+	4	20
.	+	.	.	+	+	.	.	+	.	+	.	.	5	25
.	.	+	.	.	.	.	.	.	+	+	1	+	5	25
.	.	.	.	.	.	.	.	.	+	1	+	1	4	20
.	.	.	.	+	.	.	+	+	.	.	.	.	3	15
.	.	.	.	.	+	.	+	.	.	.	.	+	3	15
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	+	.	.	+	+	+	.	+	.	.	.	.	5	25
.	+	+	2	+	1	.	.	1	+	+	.	1	10	50
.	.	.	.	+	+	.	+	.	.	.	1	1	5	25
.	.	.	.	.	+	+	.	.	.	.	.	.	6	30

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7
	Aesculus hippocastanum	E1	.	r	.	.	.	.	.
	Viburnum opulus	E1	.	.	.	.	+	.	.
	Knautia drymeia subsp. *intermedia*	E1	.	.	.	.	.	.	.
SP	*Salix eleagnos*	E2b	.	.	.	.	.	.	.
AF	***Aremonio-Fagion***								
	Omphalodes verna	E1	.	.	.	.	.	.	+
	Anemone trifolia	E1	.	.	.	.	.	.	.
	Knautia drymeia	E1	.	.	1	+	.	+	.
	Hemerocallis lilioasphodelus	E1	.	.	.	.	.	.	.
	Daphne laureola	E2a	.	.	.	.	.	.	.
	Helleborus niger	E1	.	.	.	.	.	.	.
EC	***Erythronio-Carpinion***								
	Lonicera caprifolium	E2a	.	.	.	.	.	.	.
TA	***Tilio-Acerion***								
	Acer pseudoplatanus	E3b	.	.	.	.	.	.	.
	Acer pseudoplatanus	E3a	.	.	.	.	.	.	.
	Acer pseudoplatanus	E2a	.	.	.	.	.	.	.
	Acer pseudoplatanus	E1	.	.	+	.	.	.	+
	Tilia platyphyllos	E1	.	.	.	.	.	r	.
FS	***Fagetalia sylvaticae***								
	Fagus sylvatica	E3b	.	.	.	.	.	.	.
	Fagus sylvatica	E2a	.	.	.	.	.	.	.
	Juglans regia	E2a	.	.	.	.	.	.	.
	Asarum europaeum subsp. *caucasicum*	E1	.	.	.	.	.	.	.
	Salvia glutinosa	E1	.	.	.	.	.	.	.
	Melica nutans	E1	.	.	.	.	+	+	.
	Epipactis helleborine	E1	.	.	.	.	+	.	.
	Mercurialis perennis	E1	.	.	.	.	.	.	.
	Symphytum tuberosum	E1	.	.	.	.	.	.	.
	Euphorbia amygdaloides	E1	.	.	.	.	.	.	.
	Dryopteris filix-mas	E1	.	.	.	.	.	.	.
QP	***Quercetalia pubescenti-petraeae***								
	Carex flacca	E1	.	+	1	1	.	1	1
	Convallaria majalis	E1	.	.	.	+	.	.	.
	Cornus mas	E2b	.	.	.	.	.	.	.
	Cornus mas	E2a	.	.	.	.	.	.	.
	Melittis melissophyllum	E1	.	.	.	.	.	.	.
	Asparagus tenuifolius	E1	.	.	.	.	.	.	.
	Quercus pubescens	E3b	.	.	.	.	.	.	.
	Quercus pubescens	E3a	.	.	.	.	.	.	.
	Cotinus coggygria	E2a	.	.	.	.	.	.	.
	Tanacetum corymbosum	E1	+	.	.	.	.	.	.
	Hypericum montanum	E1	.	.	.	.	.	.	.
	Clematis recta	E1	.	.	.	.	.	.	.
QR	***Quercetalia roboris***								
	Serratula tinctoria	E1	.	.	.	.	.	.	.
	Melampyrum pratense	E1	.	+	+	1	1	+	.
	Quercus petraea	E3b	.	.	.	.	.	.	.
	Quercus petraea	E3a	.	.	.	.	.	.	.
	Quercus petraea	E2b	.	.	.	.	.	.	.
	Quercus petraea	E2a	.	.	.	.	.	.	.
	Quercus petraea	E1	.	.	.	.	.	.	.
	Chamaecytisus supinus	E1	+	+	.	+	+	.	.
	Quercus robur	E3b	.	.	.	.	.	.	.
	Quercus robur	E2b	.	.	.	.	.	.	.
	Quercus robur	E2a	.	.	.	.	.	.	.
	Quercus robur	E1	+	.	.	.	.	.	.
	Lathyrus linifolius	E1	+	.	.	.	.	.	.
	Castanea sativa	E3b	.	.	.	.	.	.	.
	Castanea sativa	E2b	.	.	.	.	.	.	.
	Pteridium aquilinum	E1	.	.	.	.	.	.	.
	Hieracium lachenalii	E1	1	.	.	.	.	.	.
	Betula pendula	E1	.	.	.	.	.	.	.
QF	***Querco-Fagetea***								
	Veratrum nigrum	E1	.	.	.	.	.	.	.
	Corylus avellana	E2b	.	.	.	.	.	.	.

8	9	10	11	12	13	14	15	16	17	18	19	20	Pr.	Fr.
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	1	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
.	.	.	1	+	+	1	1	1	2	+	1	+	11	55
.	.	.	1	+	1	1	+	1	+	.	+	.	8	40
.	.	.	.	.	+	.	.	.	.	.	+	+	6	30
.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	1	1	5
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	+	+	1	.	3	15
.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
+	.	+	+	.	+	+	+	.	+	+	1	.	11	55
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	1	+	+	.	+	2	2	.	6	30
.	.	+	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	+	+	+	.	.	1	.	4	20
.	.	.	+	.	.	.	+	.	.	.	+	.	3	15
.	.	.	+	.	.	+	.	+	.	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
+	1	1	1	1	1	+	+	2	2	1	1	1	18	90
.	.	+	.	+	1	1	.	+	.	.	.	.	6	30
.	.	.	.	.	+	.	.	.	.	.	1	+	3	15
.	.	.	.	.	.	.	.	+	.	.	.	.	1	5
.	.	.	.	.	+	.	1	.	.	.	1	.	3	15
.	.	.	.	.	.	.	.	.	+	.	+	.	2	10
.	.	.	.	.	.	+	+	.	.	.	.	.	2	10
.	.	.	.	.	.	.	+	.	.	.	.	.	1	5
.	.	.	.	.	+	.	.	.	.	.	.	+	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	+	1	5
.	.	1	.	+	+	+	+	.	1	.	1	.	7	35
.	.	.	.	.	.	.	.	.	.	.	.	.	5	25
.	.	.	.	.	+	.	+	.	3	1	2	.	5	25
.	.	.	.	.	.	.	.	.	+	+	.	.	2	10
.	.	+	.	r	.	.	.	.	.	.	1	.	3	15
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	+	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	4	20
.	.	.	.	.	+	+	.	.	.	.	.	+	3	15
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	1	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	+	.	.	.	.	.	.	.	.	+	.	2	10
.	.	+	.	.	.	.	.	.	.	.	2	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	+	.	.	.	.	.	.	.	.	1	5
.	.	.	+	.	+	+	+	+	r	.	.	.	6	30
.	.	.	.	+	+	.	.	+	.	1	+	.	5	25

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7
	Corylus avellana	E2a	.	+	.	.	.	.	.
	Corylus avellana	E1	.	.	.	.	.	.	.
	Carex umbrosa	E1	.	.	.	.	.	.	.
	Listera ovata	E1	.	+	.	.	.	.	.
	Platanthera bifolia	E1	.	+	.	+	+	+	.
	Anemone nemorosa	E1	+	.	.	.	.	.	.
	Cruciata glabra	E1	.	.	+	+	.	.	.
	Rosa arvensis	E2a	.	.	.	.	.	.	.
	Viscum album subsp. *album*	E3a	.	.	.	.	.	.	.
	Pyrus pyraster	E2b	.	.	.	.	.	.	.
	Viola riviniana	E1	.	+	.	.	.	.	.
	Dactylorhiza fuchsii	E1	.	.	.	.	.	.	.
	Acer campestre	E2a	.	.	.	.	.	.	.
	Malus sylvestris	E3a	.	.	.	.	.	.	.
	Malus sylvestris	E2b	.	.	.	.	.	.	.
EP	***Erico-Pinetea***								
	Calamagrostis varia	E1	.	.	.	.	.	.	1
	Erica carnea	E1	.	.	.	.	.	.	1
	Chamaecytisus hirsutus	E1	.	.	.	.	.	.	+
	Pinus sylvestris	E3b	.	.	.	.	.	.	.
	Pinus sylvestris	E3a	.	.	.	.	.	.	.
	Pinus sylvestris	E2b	.	.	.	.	.	.	.
	Pinus sylvestris	E2a	.	.	.	.	.	.	.
	Amelanchier ovalis	E2b	.	.	.	.	.	.	.
	Amelanchier ovalis	E2a	.	.	.	.	.	.	.
	Polygala chamaebuxus	E1	.	.	.	.	.	.	.
	Pinus mugo	E2a	.	.	r	.	.	.	.
	Aquilegia nigricans	E1	.	.	.	.	.	+	.
	Leontodon incanus	E1	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***								
	Picea abies	E3b	.	.	.	.	.	.	.
	Picea abies	E3a	.	.	.	.	.	.	.
	Picea abies	E2b	.	.	.	.	.	.	.
	Picea abies	E2a	.	+	1	.	.	.	.
	Picea abies	E1	.	.	+	.	.	.	.
	Vaccinium myrtillus	E1	1	.	+	.	.	.	.
	Larix decidua	E3b	.	.	.	.	.	.	.
	Hieracium murorum	E1	+	.	.	.	.	.	.
	Aposeris foetida	E1	.	.	.	.	.	.	.
M	**Mosses (Mahovi)**								
	Neckera crispa	E0	.	.	.	.	.	.	.
	Tortella tortuosa	E0	.	.	.	.	.	.	.
	Homalothecium sericeum	E0	.	.	.	.	.	.	.
	Hypnum cupressiforme	E0	.	.	.	.	.	.	.
	Fissidens dubius	E0	.	.	.	.	.	.	.
	Atrichum undulatum	E0	.	.	.	.	.	.	.
	Ctenidium molluscum	E0	.	.	.	.	.	.	.

Legend - Legenda

Relevé 1: *Gladiolo palustris-Molinietum arundinaceae* var. *Arnica montana*
Relevés 2-6: *Gladiolo palustris-Molinietum arundinaceae* var. *Filipendula vulgaris*
Relevés 7-11: *Gladiolo palustris-Molinietum arundinaceae* var. *Calamagrostis varia*
Relevé 12: *Gladiolo palustris-Molinietum arundinaceae* transition to *Molinio arundinaceae-Ostryetum carpinifoliae*
Relevés 13-20: *Molinio arundinaceae-Ostryetum carpinifoliae* nom. prov.
D Dolomite - dolomit
L Marlstone - laporovec
G Claystone - glinavec
R Chert - roženec
Mo Moraine (Till) - morena (til)
Re Rendzina - rendzina
Eu Eutryc brown soil - evtrična rjava tla
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %

8	9	10	11	12	13	14	15	16	17	18	19	20	Pr.	Fr.
.	.	.	.	.	+	.	+	.	.	.	.	.	3	15
.	.	.	.	+	.	.	.	.	.	.	.	.	1	5
.	.	.	1	.	.	1	+	.	1	.	.	.	4	20
.	.	.	.	+	.	.	+	+	.	.	.	.	4	20
.	.	.	.	.	.	.	.	.	.	.	.	.	4	20
.	.	.	.	.	.	+	.	.	1	.	.	.	3	15
.	.	.	.	.	.	.	.	.	.	.	+	.	3	15
.	.	.	.	.	+	.	+	.	.	.	+	.	3	15
.	.	.	.	.	+	+	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	+	+	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	+	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	+	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
.	.	.	.	.	.	.	.	.	.	.	+	.	1	5
1	2	.	1	1	+	1	1	2	.	1	1	.	11	55
1	.	+	.	1	1	2	.	3	1	1	1	3	11	55
.	.	.	1	+	1	+	.	1	.	.	+	+	8	40
.	.	.	.	.	+	+	+	1	+	+	.	2	7	35
.	.	r	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	r	.	.	.	.	.	.	.	.	1	5
.	.	.	.	+	.	.	.	.	.	.	.	+	2	10
.	.	.	.	+	+	+	.	.	.	+	+	.	5	25
.	.	.	.	.	+	.	.	+	.	.	.	.	2	10
.	.	.	.	+	1	.	.	1	.	.	+	.	4	20
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	+	.	.	.	.	.	.	.	.	.	.	+	2	10
.	.	.	.	.	+	.	.	.	.	.	.	+	2	10
.	.	.	.	.	.	.	.	.	+	+	.	.	2	10
.	.	.	.	+	+	+	.	+	+	.	.	.	5	25
.	.	.	.	.	+	+	+	.	+	.	.	+	7	35
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	.	.	.	.	2	10
.	.	.	.	.	r	+	.	.	.	.	.	.	2	10
.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	r	.	.	.	1	5
.	.	.	.	.	+	.	+	.	1	.	+	.	4	20
.	.	.	.	.	.	+	.	.	+	.	.	.	2	10
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	+	.	.	.	.	.	.	.	1	5
.	.	.	.	.	.	+	.	.	.	.	.	.	1	5
.	.	.	.	.	.	.	.	.	+	.	.	.	1	5
.	.	.	.	.	.	.	.	.	+	.	.	.	1	5

Table 8: ***Centaureo julici-Laserpitietum sileris gladioletosum palustris***
Preglednica 8: ***Centaureo julici-Laserpitietum sileris gladioletosum palustris***

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8
	Database number of relevé (Številka popisa v podatkovni bazi)		253705	253706	253842	253707	253709	253708	253710	253841
	Elevation in m (Nadmorska višina v m)		1035	1060	1080	1095	1145	1120	1210	1180
	Aspect (Lega)		S	SE	SW	SW	SE	S	SW	SW
	Slope in degrees (Nagib v stopinjah)		15	30	25	25	35	30	20	35
	Parent material (Matična podlaga)		D	D	D	D	D	D	D	D
	Soil (Tla)		Re	Re	Re	Re	Re	Re	Re	Re
	Stoniness in % (Kamnitost v %)		.	.	.	.	.	5	10	.
	Cover in % (Zastiranje v %):									
	Shrub layer (Grmovna plast)	E2	.	.	.	.	.	.	.	.
	Herb layer (Zeliščna plast)	E1	100	100	100	100	100	100	100	100
	Moss layer (Mahovna plast)	E0	.	.	.	.	.	.	.	.
	Number of species (Število vrst)		41	37	29	37	35	44	43	43
	Relevé area (Velikost popisne ploskve)	m^2	30	30	30	30	30	30	30	30
	Date of taking relevé (Datum popisa)		19. 7. 2014	19. 7. 2014	2. 8. 2014	19. 7. 2014	19. 7. 2014	19. 7. 2014	19. 7. 2014	2. 8. 2014
	Locality (Nahajališče)		Muzec-Prekopa	Muzec-Prekopa	Muzec-Boban	Muzec-Prekopa	Muzec-Prekopa	Muzec-Prekopa	Muzec-Prekopa	Muzec-Planjca
	Quadrant (Kvadrant)		9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2
	Geographic coordinate Y (Geografska koordinata Y)	m	378210	378214	378189	378195	378243	378240	378212	378225
	Geographic coordinate X (Geografska koordinata X)	m	5127279	5127335	5127387	5127435	5127526	5127490	5127661	5127604
	Diagnostic species of the association *Centaureo julici-Laserpitietum sileris* and subassociation *gladioletosum palustris* (Diagnostične vrste)									
TG	*Laserpitium siler*	E1	3	5	4	5	4	5	3	4
EP	*Molinia arundinacea*	E1	5	4	3	4	4	4	4	3
Mo	*Gladiolus palustris*	E1	+	+	r	+	r	+	+	1
ES	*Carduus crassifolius*	E1	1	+	.	1	1	1	+	1
ES	*Serratula tinctoria* subsp. *monticola (S. macrocephala)*	E1	+	.	.	+	+	.	2	1
TG	*Lilium carniolicum*	E1	+	.	+	+	.	+	+	.
Ca	*Centaurea haynaldii* subsp. *julica*	E1	.	.	.	.	+	+	1	1
Ca	*Gentiana lutea* subsp. *symphyandra*	E1	.	.	.	.	+	+	+	+
TG	*Laserpitium latifolium*	E1	.	.	.	.	.	.	.	.
Ca	*Laserpitium peucedanoides*	E1	.	.	.	.	.	.	.	.
Ca	***Caricion austroalpinae***									
	Asperula aristata	E1	.	.	.	+	+	+	+	+
	Allium ericetorum	E1	+	.	+	.	.	.	.	+
	Pedicularis elongata subsp. *julica*	E1	.	.	.	.	.	.	.	.
	Festuca calva	E1	.	.	.	.	.	.	.	.
ES	***Elyno-Seslerietea***									
	Sesleria caerulea	E1	1	2	2	+	1	1	3	2
	Betonica alopecuros	E1	.	.	+	1	1	1	1	1
	Phyteuma orbiculare	E1	+	+	+	+	+	+	+	.
	Scabiosa lucida subsp. *stricta*	E1	.	.	.	.	.	.	.	+
	Carex sempervirens	E1	.	1	1	+	.	.	+	1
	Helianthemum nummularium subsp. *grandiflorum* (inc. subsp. *glabrum)*	E1	+	+	+	+	1	+	1	1

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
253844	257295	258665	258670	258669	264603	258671	258680	258681	258685	258682	269570	258684	264625	269569	253843				
1210	1150	1120	1060	1200	1125	1135	1130	1125	1185	1220	1215	1210	1300	1290	1005				
SWW	SSW	SW	SW	SW	SSW	SW	SSW	SW	SW	SSW	S	SE	SW	W	SE				
30	35	30	30	35	30	35	30	30	30	30	35	30	30	35	30				
D	D	D	D	D	D	D	D	D	D	D	A	D	D	A	D				
Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re	Re				
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100	100	100	100	100	100	100	100	100	100	95	100	100	100	100	100				
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39	64	59	85	75	77	62	48	47	35	53	51	50	45	45	39				
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30				
2. 8. 2014	10. 7. 2015	18. 6. 2015	18. 6. 2015	18. 6. 2015	28. 6. 2016	10. 7. 2015	10. 7. 2015	10. 7. 2015	10. 7. 2015	10. 7. 2015	18. 7. 2017	10. 7. 2015	18. 7. 2016	18. 7. 2017	2. 8. 2014				
Muzec-Planjca	Puntračič-Na Kucliu-Kurnja	Puntračič-Na Kucliu-Kurnja	Puntarčič-Sv. Marjeta	Puntračič-Na Kucliu-Police	Njivca-Cerkveni dol	Puntračič-Na Kucliu-Kurnja	Puntračič-Na Kucliu-Kurnja	Puntračič-Na Kucliu-Kurnja	Puntarčič-Sv. Marjeta	Breginjski Stol-Njivca	Puntarčič-Sv. Marjeta	Breginjski Stol-Njivca	Breginjski Stol-Njivca	Breginjski Stol-Njivca	Muzec-Boban				
9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2	9746/2				
378238	379831	379859	380082	379883	380369	380025	380040	379965	380272	380331	380325	380350	380380	380383	378272				
5127648	5127295	5127199	5126742	5127368	5126794	5127073	5127051	5127110	5126922	5127001	5126980	5126974	5127091	5127104	5127281				
																Pr.	Fr.		
4	5	5	4	4	4	4	4	4	5	4	4	4	3	4	+	24	100		
4	3	2	3	2	2	3	2	3	3	3	3	3	1	4	5	24	100		
+	+	r	+	+	r	1	1	r	+	+	1	1	+	+	r	24	100		
1	1	1	1	1	+	1	1	1	+	+	+	+	1	1	1	23	96		
1	1	+	1	1	1	+	.	+	+	+	1	1	1	1	.	19	79		
+	.	1	+	1	1	+	+	.	.	.	.	.	+	.	+	14	58		
1	+	.	+	+	+	.	.	.	.	+	+	+	1	+	.	14	58		
.	1	.	.	1	+	+	.	+	+	+	+	.	+	1	.	14	58		
.	.	.	+	+	.	.	.	.	.	1	1	2	2	+	.	7	29		
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4		
+	+	+	+	+	+	1	1	1	+	.	+	+	+	+	.	19	79		
+	+	1	+	+	.	1	1	1	+	+	+	+	.	+	1	17	71		
.	.	.	.	+	r	+	1	.	.	.	.	.	.	.	.	4	17		
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2	1	1	2	3	2	3	2	3	2	2	2	1	2	1	1	24	100		
1	1	1	1	1	1	1	1	1	1	1	+	1	1	1	+	22	92		
+	.	.	1	+	1	1	+	+	+	+	.	+	+	.	+	19	79		
1	+	+	+	+	1	+	+	+	+	+	+	+	+	+	+	17	71		
1	.	.	.	1	1	1	+	.	.	+	.	.	1	1	.	13	54		
+	.	.	.	.	1	.	.	.	.	.	+	.	+	1	.	13	54		

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8
	Campanula witasekiana	E1	.	.	+	+	+	.	.	+
	Leucanthemum heterophyllum	E1	.	.	.	.	.	.	.	.
	Gymnadenia odoratissima	E1	.	.	.	.	.	.	.	.
	Campanula thyrsoides	E1	.	+	.	.	.	.	.	.
	Anthyllis vulneraria subsp. *alpestris*	E1	.	.	.	.	+	.	.	.
	Orobanche reticulata	E1	.	.	.	.	.	+	.	.
	Globularia cordifolia	E1	.	.	.	.	.	+	.	.
	Galium anisophyllum	E1	.	.	.	.	.	.	.	.
	Carex mucronata	E1	.	.	.	.	.	.	.	.
	Phleum hirsutum	E1	.	.	.	.	.	.	.	.
	Gentiana clusii	E1	.	.	+	.	.	.	.	.
	Rhinanthus glacialis	E1	.	.	.	.	.	.	.	.
	Thymus praecox subsp. *polytrichus*	E1	.	.	.	.	.	.	.	.
	Hieracium pilosum	E1	.	.	.	.	.	.	.	.
FB	***Festuco-Brometea***									
	Bromopsis transsilvanica	E1	2	2	1	1	+	1	1	1
	Galium verum	E1	1	+	+	1	1	1	1	+
	Buphthalmum salicifolium	E1	.	.	.	+	1	+	+	+
	Carex humilis	E1	1	2	.	2	2	2	2	1
	Dianthus hysopifolius (D. monspessulanus)	E1	.	.	.	+	1	1	+	+
	Gymnadenia conopsea	E1	.	+	+	+	+	.	.	+
	Inula hirta	E1	+	.	+	1	+	+	+	+
	Trifolium montanum	E1	1	+	+	+	.	+	.	.
	Centaurea scabiosa subsp. *fritschii*	E1	+	+	+	.	.	+	+	.
	Teucrium montanum	E1	+	+	+	+	1	+	.	+
	Hypochoeris maculata	E1	+	r	.	+	.	+	.	.
	Genista tinctoria	E1	+	.	+	+	.	+	.	.
	Linum viscosum	E1	.	.	.	+	+	.	.	+
	Prunella grandiflora	E1	.	.	+	+	+	.	1	.
	Brachypodium rupestre	E1	.	.	.	.	.	.	.	.
	Centaurea triumfettii	E1	.	.	.	.	.	+	.	.
	Silene nutans	E1	.	.	.	.	.	+	.	.
	Koeleria pyramidata	E1	.	.	.	.	.	.	+	.
	Helictotrichon praeustum	E1	.	.	.	.	.	.	.	.
	Allium carinatum subsp. *carinatum*	E1	+	+	.	.	.	+	.	.
	Carlina acaulis	E1	.	.	.	.	.	.	+	+
	Helianthemum nummularium subsp. *obscurum*	E1	.	.	.	.	.	.	.	.
	Campanula glomerata	E1	.	+	.	.	+	.	.	+
	Briza media	E1	.	.	.	.	.	.	.	.
	Peucedanum oreoselinum	E1	+	.	.	.	.	.	.	.
	Euphorbia cyparissias	E1	.	+	.	.	.	.	.	.
	Coronilla vaginalis	E1	.	.	+	+	.	.	.	.
	Centaurea bracteata	E1	.	.	.	.	.	.	+	.
	Cirsium pannonicum	E1	.	.	.	.	.	.	.	.
	Anthyllis vulneraria	E1	.	.	.	.	.	.	.	.
	Cirsium erisithales	E1	.	.	.	.	.	.	+	.
	Hippocrepis comosa	E1	.	.	.	.	.	.	.	+
	Polygala nicaeensis subsp. *carniolica*	E1	.	.	.	.	.	.	.	.
	Stachys recta	E1	.	.	.	.	.	+	.	.
	Linum catharticum	E1	.	+	.	.	.	.	.	.
	Cirsium x linkianum	E1	.	.	.	.	.	.	.	.
	Galium purpureum	E1	+	.	.	.	.	+	.	.
	Orobanche teucrii	E1	.	.	.	.	.	.	.	.
	Salvia pratensis	E1	.	.	.	.	.	.	.	.
	Teucrium chamaedrys	E1	.	.	.	.	.	.	.	.
	Orobanche gracilis	E1	.	.	.	.	.	.	.	.
	Betonica serotina	E1	+	.	.	.	.	.	.	.
	Thesium linophyllon	E1	.	r	.	.	.	.	.	.
	Asperula cynanchica	E1	.	.	.	.	.	.	.	.
	Festuca rupicola	E1	.	.	.	.	.	.	.	.
	Orchis ustulata	E1	.	.	.	.	.	.	.	.
	Plantago media	E1	.	.	.	.	.	.	.	.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Pr.	Fr.
+	+	.	+	.	.	.	.	+	.	.	.	.	.	.	.	8	33
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+	1	2	2	2	2	3	3	3	1	3	2	1	2	1	.	23	96
+	1	1	+	1	1	.	.	+	+	1	+	1	+	+	+	22	92
+	1	+	+	1	1	1	1	1	1	1	+	1	1	1	+	21	88
1	.	1	1	2	1	+	1	2	1	1	1	1	.	.	1	20	83
+	1	1	+	+	1	1	+	1	+	+	+	+	+	+	.	20	83
+	1	1	1	1	1	1	+	+	1	+	1	2	+	+	.	20	83
.	+	+	+	+	+	+	+	+	+	+	+	+	.	.	+	20	83
+	+	+	1	+	+	+	+	+	+	+	.	+	+	.	.	18	75
.	.	+	+	+	.	1	+	+	+	1	2	+	.	.	1	16	67
.	.	+	.	+	+	+	+	+	.	.	+	.	.	.	+	15	63
.	+	.	+	.	r	+	+	.	.	+	+	+	+	.	+	14	58
.	.	+	+	.	+	+	+	+	.	.	+	+	.	.	.	12	50
+	+	.	.	+	+	+	.	.	+	+	.	+	.	.	+	12	50
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.	1	1	1	+	1	+	.	1	.	1	.	+	1	1	.	11	46
.	.	+	+	+	1	.	.	+	.	+	+	.	+	+	+	11	46
.	+	+	+	+	1	+	+	.	.	.	+	.	.	.	.	9	38
.	1	1	+	1	1	.	.	.	.	+	.	.	+	+	.	9	38
.	+	+	.	+	.	+	.	.	.	+	+	+	+	+	.	9	38
.	+	.	+	.	+	.	.	.	.	.	+	+	.	.	.	8	33
+	.	+	.	+	.	.	.	.	.	.	+	+	.	+	.	8	33
.	+	1	1	1	.	1	+	+	+	.	.	.	.	.	.	8	33
.	+	.	.	.	+	.	+	.	.	.	.	+	.	.	.	7	29
.	1	.	+	+	+	+	+	.	.	+	.	.	.	.	.	7	29
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.	.	+	+	+	+	.	+	.	.	.	.	.	.	.	.	5	21
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	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8
	Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	.	.	.	.	.	.	.	.
	Thymus pulegioides	E1	.	.	.	.	.	.	.	.
TG	***Trifolio-Geranietea***									
	Anthericum ramosum	E1	3	3	3	3	2	2	2	2
	Polygonatum odoratum	E1	1	1	2	1	1	1	1	1
	Thalictrum minus	E1	+	1	.	.	+	+	+	.
	Grafia golaka	E1	r	+	.	.	.	.	1	2
	Thesium bavarum	E1	+	.	.	+	+	.	+	+
	Trifolium rubens	E1	+	.	.	.	.	.	.	.
	Vincetoxicum hirundinaria	E1	1	+	.	.	.	+	+	+
	Iris graminea	E1	1	.	.	+	.	.	2	+
	Orobanche laserpitii-sileris	E1	.	.	.	.	.	.	.	.
	Arabis pauciflora	E1	.	.	.	.	.	.	.	.
	Libanotis daucifolia	E1	.	.	.	.	.	.	.	.
	Geranium sanguineum	E1	.	.	.	.	.	.	.	.
	Valeriana nemorensis	E1	.	.	.	.	.	.	.	.
	Verbascum lanatum	E1	.	.	.	.	.	.	.	.
	Viola hirta	E1	+	.	.	.	.	.	.	.
	Libanotis sibirica subsp. *montana*	E1	.	.	.	.	.	.	+	.
	Achillea distans	E1	.	.	.	.	.	.	.	.
	Origanum vulgare	E1	.	.	.	.	.	.	.	.
	Trifolium alpestre	E1	.	.	.	.	.	.	.	.
MO	***Molinion caeruleae***									
	Succisa pratensis	E1	.	.	.	.	.	.	.	.
	Colchicum autumnale	E1	.	.	.	.	.	.	.	.
	Betonica officinalis	E1	.	.	.	.	.	.	.	.
PaT	***Poo alpinae-Trisetetalia***									
	Traunsteinera globosa	E1	.	.	.	+	.	+	+	+
	Trollius europaeus	E1	.	.	.	.	.	.	.	.
	Festuca nigrescens	E1	.	.	.	.	.	.	.	.
MA	***Molinio-Arrhenatheretea***									
	Lotus corniculatus	E1	+	.	.	.	.	+	.	.
	Dactylis glomerata	E1	.	.	.	.	.	.	.	.
	Leontodon hispidus	E1	.	.	.	.	.	.	.	.
	Tragopogon pratensis subsp. *orientalis*	E1	.	.	.	.	.	.	.	.
	Vicia cracca	E1	.	.	.	.	.	.	.	.
NS	***Nardetalia strictae***									
	Potentilla erecta	E1	+	+	1	1	+	+	+	1
BA	***Betulo-Alnetea***									
	Salix appendiculata	E2a	.	.	.	.	.	.	.	+
	Salix appendiculata	E1	.	.	.	.	.	.	+	.
	Salix glabra	E2a	.	.	.	.	.	.	.	.
MuA	***Mulgedio-Aconitetea***									
	Tanacetum corymbosum subsp. *clusii*	E1	.	.	.	.	.	.	.	+
	Silene vulgaris subsp. *antelopum*	E1	.	.	.	.	.	.	.	.
	Veratrum album	E1	.	.	.	.	.	.	.	.
	Rhaponticum scariosum subsp. *rhaponticum*	E1	.	.	.	.	.	.	.	.
	Geranium sylvaticum	E1	.	.	.	.	.	.	.	.
RP	***Rhamno-Prunetea***									
	Juniperus communis	E2a	+	+	+	.	.	.	.	.
	Rhamnus saxatilis	E2a	.	.	.	.	.	.	.	.
TR	***Thlaspietea rotundifolii***									
	Biscutella laevigata	E1	+	.	.	.	.	.	.	.
	Hieracium porrifolium	E1	.	.	.	.	.	.	.	.
	Petasites paradoxus	E1	.	.	.	.	.	.	.	.
AF	***Aremonio-Fagion***									
	Knautia drymeia	E1	.	.	.	.	.	.	.	.
	Cyclamen purpurascens	E1	.	.	.	.	.	.	+	.
	Anemone trifolia	E1	.	.	.	.	.	.	.	.
EC	***Erythronio-Carpinion***									
	Ornithogalum pyrenaicum	E1	.	.	.	.	.	.	.	.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Pr.	Fr.
.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4
2	.	1	+	1	1	1	1	1	1	1	2	1	+	1	3	23	96
1	1	1	1	1	1	1	1	+	1	1	1	.	+	.	1	22	92
+	+	1	+	+	1	+	+	.	+	+	+	+	.	.	1	18	75
2	2	+	1	1	.	+	.	1	+	+	+	1	3	4	.	17	71
.	+	+	+	+	+	+	+	.	.	+	+	1	+	+	.	17	71
.	1	1	+	.	+	+	.	.	+	+	+	+	.	.	+	11	46
.	.	1	+	.	+	.	.	.	+	.	+	.	.	.	+	11	46
1	1	+	+	.	.	.	.	.	.	+	+	.	.	.	.	10	42
.	+	1	+	r	.	r	+	+	+	.	.	.	.	.	.	8	33
.	+	+	+	+	1	.	.	.	.	.	.	.	.	+	.	6	25
.	.	.	+	+	+	.	.	.	.	+	.	.	+	+	.	6	25
.	.	+	+	.	+	+	.	.	.	.	+	.	.	.	.	5	21
.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	8
.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4
.	.	.	+	.	+	r	.	.	.	.	.	.	.	.	.	3	13
.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	1	+	1	1	1	+	+	.	.	+	+	1	.	+	.	15	63
.	.	.	.	.	+	.	.	.	.	.	.	.	+	+	.	3	13
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	+	+	+	1	+	+	+	.	+	+	+	+	.	+	14	58
.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	1	4
1	+	+	1	1	1	1	+	+	+	+	+	+	1	1	1	24	100
+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
+	+	.	.	.	.	.	.	.	.	.	+	+	.	.	.	5	21
.	1	.	+	1	+	.	.	+	.	.	.	.	.	.	.	5	21
.	+	.	.	.	.	.	.	.	.	.	+	+	.	+	.	4	17
.	.	.	.	.	+	.	.	.	.	.	.	.	1	1	.	3	13
.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	17
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	+	+	.	.	.	+	.	.	.	.	.	.	.	4	17
.	.	.	.	.	.	r	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
.	+	.	+	.	+	+	.	+	.	+	.	+	1	+	.	9	38
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	+	+	+	.	.	.	.	.	.	.	.	+	1	+	.	6	25

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8
QP	***Quercetalia pubescenti-petraeae***									
	Carex flacca	E1	.	+	.	.	+	1	.	1
	Convallaria majalis	E1	+	+	.	.	.	.	1	.
	Melittis melissophyllum	E1	.	.	.	.	.	.	.	.
	Ostrya carpinifolia	E2a	.	.	.	.	.	.	.	+
	Ostrya carpinifolia	E1	.	.	.	.	+	+	.	.
	Primula veris subsp. *columnae*	E1	.	.	.	.	.	.	.	.
	Sorbus aria (Aria edulis)	E2a	.	.	.	.	.	.	.	.
QR	***Quercetalia roboris***									
	Chamaecytisus supinus	E1	.	.	.	.	.	.	.	.
	Querco-Fagetea									
	Veratrum nigrum	E1	.	.	.	+	.	+	+	+
	Corylus avellana	E2a	.	.	.	.	.	.	.	.
	Corylus avellana	E1	.	+	.	+	.	.	.	.
	Listera ovata	E1	.	.	.	.	.	.	.	.
	Cruciata glabra	E1	.	.	.	.	.	.	.	.
EP	***Erico-Pinetea***									
	Chamaecytisus purpureus	E1	+	+	+	+	+	+	1	.
	Chamaecytisus hirsutus	E1	+	+	+	.	+	+	+	+
	Erica carnea	E1	1	1	2	1	+	+	.	1
	Aster amellus	E1	1	+	.	.	.	+	.	+
	Leontodon incanus	E1	.	.	.	.	.	.	+	.
	Amelanchier ovalis	E2a	.	.	.	.	.	.	.	.
	Pinus nigra	E1	.	.	.	.	.	.	.	.
	Epipactis atrorubens	E1	.	.	.	.	.	.	.	.
	Polygala chamaebuxus	E1	.	.	.	.	.	.	.	.
	Genista radiata	E1	.	.	.	.	.	.	.	.
	Calamagrostis varia	E1	.	.	.	.	.	.	.	.
VP	***Vaccinio-Piceetea***									
	Picea abies	E1	.	+	.	.	.	.	.	.
	Picea abies	E2a	.	.	.	.	.	.	.	.
O	**Other species (Druge vrste)**									
	Orobanche sp.	E1	.	.	.	.	.	.	.	.

Legend - Legenda

A Limestone - apnenec
D Dolomite - dolomit
Re Rendzina - rendzina
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Pr.	Fr.
.	1	1	+	+	.	1	+	1	1	+	2	1	+	.	.	16	67
1	+	+	.	+	.	.	.	+	.	+	1	.	+	1	.	12	50
.	+	.	.	+	+	.	.	.	.	.	.	.	.	+	.	4	17
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	+	+	+	.	.	.	.	+	.	.	r	+	.	10	42
.	.	.	+	+	.	+	.	+	.	.	.	.	.	.	+	5	21
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	8
.	+	.	+	+	+	.	.	.	+	.	.	.	.	.	.	5	21
.	+	.	.	.	+	.	+	.	.	.	.	.	.	.	.	3	13
+	+	1	1	1	+	+	+	1	1	1	1	+	.	.	1	21	88
+	.	+	+	1	1	+	+	.	.	.	.	+	+	.	.	16	67
+	.	.	.	1	.	+	.	.	.	.	.	.	.	.	1	11	46
.	.	1	.	.	.	.	.	.	.	.	.	+	.	.	+	7	29
.	.	.	.	+	.	+	+	+	.	.	+	.	.	.	.	6	25
.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	r	.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4
.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	2	8
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4
.	r	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4

Table 9: Different communities with *Gladiolus palustris* and *G. illyricus*
Preglednica 9: Različne združbe z vrstama *Gladiolus palustris* in *G. illyricus*

Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12		
Database number of relevé (Številka popisa v podatkovni bazi)		283513	215741	259025	237000	255106	261342	215946	276696	276697	276704	246749	276664		
Elevation in m (Nadmorska višina v m)		350	1110	1035	560	410	510	570	450	450	450	120	526		
Aspect (Lega)		N	E	NE	0	0	N	SWW	0	0	0	0	SEE		
Slope in degrees (Nagib v stopinjah)		20	3	10	0	0	1	2	0	0	0	0	5		
Parent material (Matična podlaga)		DL	DA	DL	Mo	Al	Fl	Mo	Al	Al	Al	Al	Mo		
Soil (Tla)		Eu	Li	Eu	Re	Flu	Hy	Hy	Hy	Hy	Re	Hy	Hy		
Stoniness in % (Kamnitost v %)		10	30	.	.	.	.	.	.	.	.	.	.		
Cover in % (Zastiranje v %):															
Tree layer (Drevesna plast)	E3	80	.	.	.	.	.	.	.	.	40	.	.		
Shrub layer (Grmovna plast)	E2	10	.	.	.	.	.	20	40	30	50	.	.		
Herb layer (Zeliščna plast)	E1	80	70	100	100	100	100	100	100	90	90	100	100		
Moss layer (Mahovna plast)	E0	10	.	.	.	.	.	.	5	5	5	.	.		
Number of species (Število vrst)		43	41	78	31	40	53	28	31	29	42	22	10		
Relevé area (Velikost popisne ploskve)	m^2	400	5	30	30	30	30	30	4	25	400	20	15		
Date of taking relevé (Datum popisa)		2. 7. 2020	21. 6. 2007	25. 6. 2015	11. 6. 2010	12. 5. 2011	14. 6. 2016	2. 7. 2007	7. 5. 2019	7. 5. 2019	7. 5. 2019	13. 6. 2011	3. 7. 2019		
Locality (Nahajališče)		Kozjek-Dolc	Vas na Skali-Krbulnik	Vojsko-Ogalce	Ukanc-Blato	Gornji Zemon-Mlaka	Hrušica-Malke	Bohinj-Žlan	Zasip-Brje	Zasip-Brje	Zasip-Brje	Vipava-Mlake	Podhom-barje		
Quadrant (Kvadrant)		9948/2	9648/3	9949/3	9748/2	0451/4	0450/2	9749/2	9650/2	9650/2	9650/2	0149/4	9650/2		
Geographic coordinate Y (Geografska koordinata Y)	m	409552	401488	415130	408804	443999	431778	417645	432897	432904	433083	420127	430488		
Geographic coordinate X (Geografska koordinata X)	m	5105295	5133688	5100124	5127020	5044519	5045475	5125030	5138075	5138078	5138010	5075536	5138036		
Diagnostic species of syntaxa (Diagnostične vrste sintaksonov)														Pr.	Fr.
FS *Fagus sylvatica*	E3b	3	.	.	.	.	.	.	.	.	.	.	.	1	8
FS *Fagus sylvatica*	E2a	+	.	.	.	.	.	.	.	.	.	.	.	1	8
FS *Fagus sylvatica*	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
AF *Hacquetia epipactis*	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	8
ES *Acinos alpinus*	E1	.	1	.	.	.	.	.	.	.	.	.	.	1	8
ES *Thymus praecox* subsp. *polytrichus*	E1	.	1	.	.	.	.	.	.	.	.	.	.	1	8
ES *Polygonum viviparum*	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
ES *Galium anisophyllum*	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
ES *Helianthemum nummularium* subsp. *grandiflorum*	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
PaT *Festuca nigrescens*	E1	.	.	1	.	.	.	+	.	.	.	.	.	2	17
MA *Arrhenatherum elatius*	E1	.	.	2	.	.	.	.	.	.	.	.	.	1	8
MA *Carum carvi*	E1	.	.	1	.	.	.	.	.	.	.	.	.	1	8
MA *Trisetum flavescens*	E1	.	.	1	.	.	.	.	.	.	.	.	.	1	8
FB *Rhinanthus freynii*	E1	.	.	.	3	.	+	.	.	.	.	.	.	2	17
FB *Salvia pratensis*	E1	.	.	.	2	.	+	.	.	.	.	.	.	2	17
FB *Campanula glomerata*	E1	.	.	.	+	.	.	.	.	.	.	.	.	1	8
FB *Potentilla pusilla*	E1	.	.	.	+	.	.	.	.	.	.	.	.	1	8
Mo *Molinia caerulea* subsp. *caerulea*	E1	.	.	.	.	1	2	3	2	+	.	1	1	7	58
Mo *Inula salicina*	E1	.	.	.	.	1	3	.	.	.	.	.	.	2	17
CD *Dactylorhiza incarnata*	E1	.	.	.	.	1	1	.	.	.	.	.	.	2	17
Mo *Plantago altissima*	E1	.	.	.	.	2	.	.	.	.	.	3	.	2	17

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	Pr.	Fr.
FB	*Danthonia alpina*	E1	.	.	.	.	.	2	.	.	.	.	.	.	1	8
CD	*Carex panicea*	E1	.	.	.	.	+	1	+	1	+	.	+	.	6	50
CD	*Carex distans*	E1	.	.	.	.	1	1	+	.	.	.	+	.	4	33
CD	*Carex hostiana*	E1	.	.	.	.	.	.	1	+	.	.	1	.	3	25
CD	*Carex lepidocarpa*	E1	.	.	.	.	.	+	+	+	.	.	.	.	3	25
CD	*Schoenus nigricans*	E1	.	.	.	.	.	.	.	1	.	.	3	4	3	25
EP	*Chamaecytisus purpureus*	E1	.	.	.	.	.	.	.	.	.	2	.	.	1	8
EP	*Pinus sylvestris*	E2a	.	.	.	.	.	.	.	.	.	1	.	.	1	8
EP	*Pinus sylvestris*	E3b	.	.	.	.	.	.	.	.	.	3	.	.	1	8
EP	*Pinus sylvestris*	E2b	.	.	.	.	.	.	.	.	.	2	.	.	1	8
EP	*Erica carnea*	E1	.	.	.	.	.	.	.	.	.	4	.	.	1	8
EP	*Polygala chamaebuxus*	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	8
FB	***Festuco-Brometea***															
	Brachypodium rupestre	E1	1	1	2	1	.	1	1	+	4	3	.	.	9	75
	Gymnadenia conopsea	E1	.	.	1	1	.	+	+	.	+	+	+	.	7	58
	Briza media	E1	.	+	2	.	1	2	+	.	.	.	.	.	5	42
	Euphorbia cyparissias	E1	.	+	.	1	.	.	.	+	1	1	.	.	5	42
	Peucedanum oreoselinum	E1	+	.	.	1	.	.	+	.	+	1	.	.	5	42
	Galium verum	E1	.	.	.	+	2	1	.	.	.	1	.	.	4	33
	Buphthalmum salicifolium	E1	.	+	+	.	.	.	.	.	.	+	.	.	3	25
	Linum catharticum	E1	.	+	+	.	.	.	.	.	.	.	.	+	3	25
	Plantago media	E1	.	+	1	.	.	+	.	.	.	.	.	.	3	25
	Trifolium montanum	E1	.	.	1	1	.	1	.	.	.	.	.	.	3	25
	Carex montana	E1	+	.	+	.	.	.	.	.	.	.	.	.	2	17
	Koeleria pyramidata	E1	.	1	2	.	.	.	.	.	.	.	.	.	2	17
	Hippocrepis comosa	E1	.	+	+	.	.	.	.	.	.	.	.	.	2	17
	Anthyllis vulneraria	E1	.	.	+	+	.	.	.	.	.	.	.	.	2	17
	Centaurea scabiosa subsp. *fritschii*	E1	.	.	.	1	.	.	.	.	.	1	.	.	2	17
	Ranunculus nemorosus agg. *(R. polyanthemophyllus)*	E1	.	.	.	.	+	+	.	.	.	.	.	.	2	17
	Filipendula vulgaris	E1	.	.	.	.	.	3	.	.	.	1	.	.	2	17
	Pimpinella saxifraga	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Polygala comosa	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Medicago lupulina	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Sanguisorba minor agg. *(*incl. *S. muricata)*	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Prunella grandiflora	E1	.	r	.	.	.	.	.	.	.	.	.	.	1	8
	Carlina vulgaris	E1	.	r	.	.	.	.	.	.	.	.	.	.	1	8
	Cirsium erisithales	E1	.	.	1	.	.	.	.	.	.	.	.	.	1	8
	Campanula rotundifolia	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Carlina acaulis	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Dactylorhiza sambucina	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Polygala vulgaris	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Ranunculus bulbosus	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Silene nutans	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Thymus praecox	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Carex caryophyllea	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Orchis morio	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
	Orchis ustulata	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
	Carex humilis	E1	.	.	.	.	.	.	.	.	.	3	.	.	1	8
	Cirsium pannonicum	E1	.	.	.	.	.	.	.	.	.	1	.	.	1	8
	Teucrium chamaedrys	E1	.	.	.	.	.	.	.	.	.	1	.	.	1	8
	Dorycnium germanicum	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	8
	Genista tinctoria	E1	.	.	.	.	.	.	.	.	.	.	+	.	1	8
SV	***Scorzonerion villosae***															
	Centaurea pannonica	E1	.	.	.	.	.	1	.	.	.	.	.	.	1	8
	Knautia illyrica	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
TG	***Trifolio-Geranietea***		.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Thalictrum minus	E1	+	.	.	1	.	.	.	+	+	.	.	.	4	33
	Vincetoxicum hirundinaria	E1	1	.	.	.	.	.	.	.	.	+	.	.	2	17
	Peucedanum cervaria	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Lilium carniolicum	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Hypericum perforatum	E1	.	.	1	.	.	.	.	.	.	.	.	.	1	8
	Lilium bulbiferum	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Trifolium medium	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Valeriana nemorensis	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	Pr.	Fr.
	Polygonatum odoratum	E1	.	.	.	+	.	.	.	.	.	.	.	.	1	8
	Viola hirta	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	8
Mo	***Molinion caeruleae***															
	Gladiolus palustris	E1	r	+	.	1	.	.	+	+	1	2	2	1	9	75
	Colchicum autumnale	E1	.	.	1	+	.	.	+	.	+	.	.	.	4	33
	Galium boreale	E1	.	.	.	+	.	.	+	.	+	1	.	.	4	33
	Succisa pratensis	E1	.	.	.	.	+	1	1	.	.	.	+	.	4	33
	Betonica officinalis	E1	1	.	.	.	+	+	.	.	.	.	.	.	3	25
	Gladiolus illyricus	E1	.	.	1	.	1	2	.	.	.	.	.	.	3	25
	Epipactis palustris	E1	.	.	.	.	.	.	1	+	2	.	.	.	3	25
	Equisetum palustre	E1	.	.	.	.	1	1	.	.	.	.	.	.	2	17
	Taraxacum sect. *Palustria*	E1	.	.	.	.	1	+	.	.	.	.	.	.	2	17
	Ophioglossum vulgatum	E1	.	.	.	.	+	+	.	.	.	.	.	.	2	17
	Gratiola officinalis	E1	.	.	.	.	.	2	.	.	.	.	2	.	2	17
	Juncus conglomeratus	E1	.	.	.	.	.	+	.	.	.	.	+	.	2	17
	Valeriana dioica	E1	.	.	.	.	.	.	1	+	.	.	.	.	2	17
	Peucedanum coriaceum subsp. *pospichalii*	E1	.	.	.	.	2	.	.	.	.	.	.	.	1	8
	Carex tomentosa	E1	.	.	.	.	1	.	.	.	.	.	.	.	1	8
	Centaurea carniolica	E1	.	.	.	.	1	.	.	.	.	.	.	.	1	8
	Dactylorhiza majalis	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Lotus palustris	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Ranunculus sardous	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Allium angulosum	E1	.	.	.	.	.	1	.	.	.	.	.	.	1	8
	Filipendula ulmaria	E1	.	.	.	.	.	1	.	.	.	.	.	.	1	8
	Juncus inflexus	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
	Laserpitium prutenicum	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	8
	Pulicaria dysenterica	E1	.	.	.	.	.	.	.	.	.	.	1	.	1	8
	Sanguisorba officinalis	E1	.	.	.	.	.	.	.	.	.	.	1	.	1	8
PaT	***Poo alpinae-Trisetetalia***															
	Traunsteinera globosa	E1			+										1	8
	Anthoxanthum odoratum	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
MA	***Molinio-Arrhenatheretea***															
	Trifolium pratense	E1	.	+	1	1	+	.	.	.	.	.	.	.	4	33
	Lotus corniculatus	E1	.	+	+	+	.	+	.	.	.	.	.	.	4	33
	Vicia cracca	E1	.	+	+	+	.	+	.	.	.	.	.	.	4	33
	Plantago lanceolata	E1	.	.	+	2	1	+	.	.	.	.	.	.	4	33
	Festuca pratensis	E1	.	.	+	.	.	2	+	.	+	.	.	.	4	33
	Centaurea jacea	E1	.	+	1	+	.	.	.	.	.	.	.	.	3	25
	Galium mollugo	E1	.	+	.	.	+	+	.	.	.	.	.	.	3	25
	Leontodon hispidus	E1	.	.	1	+	+	.	.	.	.	.	.	.	3	25
	Helictotrichon pubescens	E1	.	.	2	.	+	+	.	.	.	.	.	.	3	25
	Dactylis glomerata	E1	.	.	1	.	+	1	.	.	.	.	.	.	3	25
	Ranunculus acris	E1	.	.	+	.	1	1	.	.	.	.	.	.	3	25
	Lathyrus pratensis	E1	.	+	.	.	.	+	.	.	.	.	.	.	2	17
	Stellaria graminea	E1	.	.	1	+	.	.	.	.	.	.	.	.	2	17
	Tragopogon pratensis subsp. *orientalis*	E1	.	.	1	.	.	+	.	.	.	.	.	.	2	17
	Ajuga reptans	E1	.	.	+	.	+	.	.	.	.	.	.	.	2	17
	Leucanthemum ircutianum	E1	.	.	+	.	+	.	.	.	.	.	.	.	2	17
	Rumex acetosa	E1	.	.	+	.	+	.	.	.	.	.	.	.	2	17
	Holcus lanatus	E1	.	.	.	.	+	1	.	.	.	.	.	.	2	17
	Festuca rubra	E1	.	.	.	.	.	.	.	+	.	.	.	+	2	17
	Galium album	E1	.	.	1	.	.	.	.	.	.	.	.	.	1	8
	Achillea millefolium	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Crepis biennis	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Phleum pratense	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Pimpinella major	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Prunella vulgaris	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Veronica chamaedrys	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Cerastium holosteoides	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Lychnis flos-cuculi	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Poa pratensis	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Daucus carota	E1	.	.	.	.	.	1	.	.	.	.	.	.	1	8
	Ononis arvensis	E1	.	.	.	.	.	1	.	.	.	.	.	.	1	8

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	Pr.	Fr.
	Orchis coriophora	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
	Deschampsia cespitosa	E1	.	.	.	.	.	.	.	.	.	.	1	.	1	8
NS	***Nardetalia strictae***															
	Potentilla erecta	E1	.	.	1	.	.	.	1	+	1	1	.	1	6	50
	Alchemilla flabellata	E1	.	+	1	.	.	.	.	.	.	.	.	.	2	17
	Carex pallescens	E1	.	.	1	+	.	.	.	.	.	.	.	.	2	17
	Rhinanthus minor	E1	.	.	+	.	.	+	.	.	.	.	.	.	2	17
	Selaginella helvetica	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Arnica montana	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Chamaespartium sagittale	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Luzula campestris	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Phyteuma zahlbruckneri	E1	.	.	2	.	.	.	.	.	.	.	.	.	1	8
ES	***Elyno-Seslerietea***															
	Phyteuma orbiculare	E1	.	+	+	+	.	.	.	.	.	.	.	.	3	25
	Rhinanthus glacialis	E1	.	+	3	.	.	.	.	.	.	.	.	.	2	17
	Carduus crassifolius	E1	.	.	.	+	.	.	.	.	.	.	.	.	1	8
	Polygala alpestris	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
CD	***Caricetalia davallianae***															
	Juncus articulatus	E1	.	.	.	.	.	.	+	.	.	.	+	.	2	17
	Carex davalliana	E1	.	.	.	.	.	.	+	.	.	.	.	.	1	8
	Eriophorum latifolium	E1	.	.	.	.	.	.	+	.	.	.	.	.	1	8
	Parnassia palustris	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Primula farinosa	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Epilobium palustre	E1	.	.	.	.	.	.	.	.	.	.	+	.	1	8
	Schoenus ferrugineus	E1	.	.	.	.	.	.	.	.	.	.	.	+	1	8
BA	***Betulo-Alnetea***															
	Salix appendiculata	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
MuA	***Mulgedio-Acxonitetea***															
	Veratrum album	E1	+	.	2	.	.	.	.	.	.	.	.	.	2	17
	Lathyrus occidentalis var. *montanus*	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Thalictrum aquilegiifolium	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
PM	***Phragmiti-Magnocaricetea***															
	Phragmites australis	E1	.	.	.	.	.	.	.	.	.	.	r	5	2	17
	Glyceria notata	E1	.	.	.	.	.	.	.	.	.	.	+	.	1	8
EA	***Epilobietea angustifolii***															
	Fragaria vesca	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Eupatorium cannabinum	E1	.	.	.	.	.	.	.	1	.	.	.	.	1	8
FC	***Filipendulo-Convolvuletea***															
	Lythrum salicaria	E1	.	.	.	.	.	+	.	+	+	.	+	.	4	33
	Lysimachia vulgaris	E1	.	.	.	.	.	1	.	.	.	.	1	.	2	17
SM	***Papaveretea rhoeadis (Stellarietea mediae)***															
	Taraxacum sect. *Ruderalia*	E1	.	.	r	.	+	.	.	.	.	.	.	.	2	17
	Erigeron annuus	E1	.	.	.	+	.	.	.	.	.	.	.	.	1	8
RP	***Rhamno-Prunetea***															
	Viburnum lantana	E2b	.	.	.	.	.	.	.	.	+	+	.	.	2	17
	Viburnum lantana	E2a	.	.	.	.	.	.	.	.	.	+	.	.	1	8
	Juniperus communis	E2a	.	.	.	.	.	.	+	.	.	.	.	.	1	8
	Ligustrum vulgare	E2a	.	.	.	.	.	.	.	3	.	.	.	.	1	8
	Cornus sanguinea	E2b	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Prunus spinosa	E2a	.	.	.	.	.	.	.	.	2	.	.	.	1	8
	Rhamnus saxatilis	E2a	.	.	.	.	.	.	.	.	.	3	.	.	1	8
	Berberis vulgaris	E2b	.	.	.	.	.	.	.	.	.	1	.	.	1	8
TP	***Thlaspietea rotundifolii***															
	Petasites paradoxus	E1	.	+	.	1	.	.	.	.	.	+	.	.	3	25
	Hieracium piloselloides	E1	.	1	.	.	.	.	.	.	.	.	.	.	1	8
	Achnatherum calamagrostis	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Hieracium bifidum	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Astrantia carniolica	E1	.	.	.	.	.	.	.	1	.	.	.	.	1	8
	Equisetum ramosissimum	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Peucedanum verticillare	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	8
AI	***Alnion incanae***															
	Frangula alnus	E2b	.	.	.	.	.	.	.	+	3	2	.	.	3	25
	Frangula alnus	E2a	.	.	.	.	.	.	1	.	.	2	.	.	2	17

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	Pr.	Fr.
	Frangula alnus	E1	.	.	.	.	.	.	.	+	+	1	.	.	3	25
	Alnus incana	E2a	.	.	.	.	.	.	1	.	.	.	.	.	1	8
	Equisetum arvense	E1	.	.	.	.	.	.	+	.	.	.	.	.	1	8
	Salix myrsinifolia	E2a	.	.	.	.	.	.	.	.	+	.	.	.	1	8
	Knautia drymeia subsp. *intermedia*	E1	.	.	.	.	.	.	.	.	+	.	.	.	1	8
	Alnus glutinosa	E2a	.	.	.	.	.	.	.	.	.	.	.	+	1	8
AF	***Aremonio-Fagion***															
	Anemone trifolia	E1	+	.	.	.	.	.	.	+	+	1	.	.	4	33
	Knautia drymeia	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Omphalodes verna	E1	.	.	.	.	.	.	.	.	+	.	.	.	1	8
	Helleborus niger	E1	.	.	.	.	.	.	.	.	.	2	.	.	1	8
EC	***Erythronio-Carpinion***															
	Primula vulgaris	E1	+	.	+	.	.	.	.	.	.	.	.	.	2	17
	Ornithogalum pyrenaicum	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
FS	***Fagetalia sylvaticae***															
	Melica nutans	E1	.	.	.	.	.	.	.	+	+	1	.	.	3	25
	Phyteuma spicatum subsp. *coeruleum*	E1	+	.	+	.	.	.	.	.	.	.	.	.	2	17
	Acer pseudoplatanus	E3b	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Acer pseudoplatanus	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Daphne mezereum	E2a	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Mercurialis perennis	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Juglans regia	E2a	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Asarum europaeum subsp. *caucasicum*	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Lathyrus vernus	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Salvia glutinosa	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Symphytum tuberosum	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Viola reichenbachiana	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Euphorbia amygdaloides	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Polygonatum multiflorum	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Tilia cordata	E2a	.	.	.	.	.	.	.	.	1	.	.	.	1	8
	Carpinus betulus	E2a	.	.	.	.	.	.	.	.	+	.	.	.	1	8
	Epipactis helleborine subsp. *orbicularis*	E1	.	.	.	.	.	.	.	.	.	+	.	.	1	8
QP	***Quercetalia pubescenti-petraeae***															
	Carex flacca	E1	.	+	+	+	+	1	+	+	1	1	+	.	10	83
	Convallaria majalis	E1	2	.	.	+	.	.	.	.	.	.	.	.	2	17
	Ostrya carpinifolia	E3a	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Ostrya carpinifolia	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Fraxinus ornus	E3b	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Fraxinus ornus	E3a	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Fraxinus ornus	E1	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Cornus mas	E2b	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Asparagus tenuifolius	E1	+	.	.	.	.	.	.	.	.	.	.	.	1	8
QR	***Queretalia roboris***															
	Quercus robur	E1	.	.	.	.	.	.	.	+	+	+	.	.	3	25
	Serratula tinctoria	E1	1	.	.	.	.	+	.	.	.	.	.	.	2	17
	Quercus petraea	E3b	2	.	.	.	.	.	.	.	.	.	.	.	1	8
	Populus tremula	E2b	.	.	.	.	.	.	.	+	.	.	.	.	1	8
	Pteridium aquilinum	E1	.	.	.	.	.	.	.	.	+	.	.	.	1	8
QF	***Querco-Fagetea***															
	Listera ovata	E1	.	+	+	.	.	.	.	.	.	+	.	.	3	25
	Platanthera bifolia	E1	.	.	+	.	.	.	+	.	.	+	.	.	3	25
	Anemone nemorosa	E1	1	.	+	.	.	.	.	.	.	.	.	.	2	17
	Carex umbrosa	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Corylus avellana	E2a	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Cruciata glabra	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Dactylorhiza fuchsii	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
EP	***Erico-Pinetea***															
	Calamagrostis varia	E1	1	.	.	.	.	.	.	1	3	3	.	1	5	42
	Molinia arundinacea	E1	4	.	.	.	.	.	1	.	.	+	.	.	3	25
	Carex alba	E1	1	.	.	.	.	.	.	.	.	.	.	.	1	8
	Carex ornithopoda	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Aquilegia nigricans	E1	.	.	.	.	.	.	.	.	.	1	.	.	1	8

	Number of relevé (Zaporedna številka popisa)		1	2	3	4	5	6	7	8	9	10	11	12	Pr.	Fr.
VP	***Vaccinio-Piceetea***															
	Picea abies	E2a	.	.	.	.	.	.	.	.	.	1	.	.	1	8
	Picea abies	E1	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Gentiana asclepiadea	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
	Vaccinium myrtillus	E1	.	.	+	.	.	.	.	.	.	.	.	.	1	8
O	**Other species (Druge vrste)**															
	Rhinanthus sp.	E1	.	.	.	.	+	.	.	.	.	.	.	.	1	8
	Centaurea sp.	E1	.	.	.	.	.	+	.	.	.	.	.	.	1	8
	Calamagrostis sp.	E1	.	.	.	.	.	.	.	.	+	.	.	.	1	8
M	**Mosses (Mahovi)**		.	.	.	.	.	.	.	.	.	.	.	.		
	Ctenidium molluscum	E0	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Hypnum cupressiforme	E0	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Neckera crispa	E0	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Polytrichum formosum	E0	+	.	.	.	.	.	.	.	.	.	.	.	1	8
	Tortella tortuosa	E0	.	+	.	.	.	.	.	.	.	.	.	.	1	8
	Musci	E0	.	.	.	.	.	.	.	1	.	.	.	.	1	8
	Scleropodium purum	E0	.	.	.	.	.	.	.	.	.	1	.	.	1	8
	Rhytidiadelphus triquetrus	E0	.	.	.	.	.	.	.	.	.	+	.	.	1	8

Legend - Legenda

Relevé 1: *Hacquetio-Fagetum molinietosum arundinaceae* prov.
Relevé 2: *Gladiolus palustris community (Bromion erecti)*
Relevé 3: *Rhinatho freynii-Trisetetum flavescentis*
Relevé 4: *Gladiolus palustris community (Bromion erecti)*
Relevés 5-6: *Plantagini altissimae-Molinietum caeruleae*
Relevés 7-8: *Molinio caeruleae-Caricetum hostianae*
Relevé 9: *Gladiolo palustris-Brachypodietum rupestris* nom. prov.
Relevé 10: *Brachypodio rupestris-Pinetum sylvestris*
Relevé 11: *Schoeno nigricantis-Molinetum caeruleae*
Relevé 12: *Schoeno nigricantis-Molinetum caeruleae* degradation stage with *Phragmites australis*
A Limestone - apnenec
D Dolomite - dolomit
Fl Flysch - fliš
L Marlstone - laporovec
Mo Moraine (Till) - morena (til)
Al Alluvium - prod, rečni nanosi
Li Lithosol - kamnišče
Re Rendzina - rendzina
Eu Eutryc brown soil - evtrična rjava tla
Flu Fluvisol - obrečna tla
Hy Hydromorphic soil - hidromorfna tla
Pr. Presence (number of relevés in which the species is presented) - število popisov, v katerih se pojavlja vrsta
Fr. Frequency in % - frekvenca v %