

Floristický príspevok zo strednej časti Strážovských vrchov

Floristical contribution from the central part of Strážovské vrchy Mts

MONIKA JANIŠOVÁ^{1,4}, SYLVA MERTANOVÁ², JANA SMATANOVÁ³ & IVETA ŠKODOVÁ¹

¹Botanický ústav SAV, Oddelenie geobotaniky, Sienkiewiczova 1, 845 23 Bratislava, monika.janisova@savba.sk, iveta.skodova@savba.sk

²Správa CHKO Biele Karpaty, Trenčianska 31, 914 42 Nemšová, mertanova@sopsr.sk

³Správa CHKO Strážovské vrchy, Orlové 189, 017 01 Považská Bystrica, jsmatan@sopsr.sk

⁴Fakulta prírodných vied UMB, Tajovského 40, 974 01 Banská Bystrica

Flora of the grassland communities (meadows, pastures, orchards, wetlands) was studied in the central part of Strážovské vrchy Mts during the growing season 2002. Altogether 550 taxa of vascular plants were recorded, 36 taxa belong to threatened species (5 endangered, 18 vulnerable, 12 lower risk, 1 data deficient).

Keywords: Čavoj, flora of vascular plants, grassland communities, Valaská Belá.

Práca prináša výsledky floristického terénneho prieskumu okolia obcí Valaská Belá, Čavoj a Temeš uskutočneného v roku 2002. Táto časť Strážovských vrchov patriaca orograficky do Zliechovskej hornatiny je floristicky pomerne málo preskúmaná. Botanici oddávna venovali pozornosť predovšetkým okolitým vrcholom s bohatou vápencovou teplomilnou vegetáciou. Preto sme o flóre sledovaného územia našli iba ojedinelé zmienky v niektorých dieloch Flóry Slovenska (Bertová et al. 1988, Bertová et al. 1992, Goliašová et al. 1997) a v správe z geobotanického mapovania Slovenska (Jurko, 1967).

Predmetom výskumu boli najmä trávne porasty (lúky, pasienky, sady, záhrady) a čiastočnú pozornosť sme venovali mokradiam, okrajom ciest a ruderalizovaným porastom. Uvedené taxóny s ťažiskom výskytu v lesných ekosystémoch boli zistené v skupinách drevín v rámci trávnych porastov, na lesných okrajoch alebo v lesných porastoch v bezprostrednom okolí popisovaných lokalít.

Metodika

Názvoslovie vyšších rastlín je podľa práce Marhold & Hindák (1998). Kategorizácia ohrozených a vzácných druhov je podľa práce Feráková, Maglocký & Marhold (2001): EN – ohrozené, VU – zraniteľné, LR: nt – menej ohrozené, DD – chýbajúce alebo nedostatočné údaje. Označenie § je použité pre taxóny podliehajúce legislatívnej ochrane podľa Vyhlášky MŽP SR (2003). Kategorizácia endemitov je podľa práce Klimenta (1999): KZ – západokarpatský endemit, KZs – západokarpatský subendemit. Dokladový materiál (herbár a fotoarchív) je uložený u autoriek príspevku.

Charakteristika územia

Podľa geomorfologického členenia Slovenska (Mazúr & Lukniš 1978) patrí sledované územie v rámci provincie Západné Karpaty a subprovincie Vnútorne Západné Karpaty do Fatransko-tatranskej oblasti, celku Strážovské vrchy a podcelku Zlie-

chovská hornatina (v rámci neho zasahuje do častí Belianska vrchovina, Temešská vrchovina a Belianska kotlina). Niekoľko lokalít z okolia Nevidzian a Lomnice v juhovýchodnej časti skúmaného územia patrí do celku Hornonitrianska kotlina, podcelku Rudnianska kotlina. Výškové rozpätie sledovaného územia je 572 m (najnižšie miesto pri potoku Nitrica v obci Lomnica – 320 m n. m., najvyššie položená kóta pri osade Koškarovci – 892 m n. m.).

Geologické podložie v severnej a západnej časti územia je tvorené najmä vápencovo-dolomitickými, ílovcovo-vápencovými a pieskovcovo-zlepencovými horninami (vápence, dolomity, ílovité bridlice, pieskovce, slieňovce a kremence), v južnej a východnej časti (Koškarovci, Šindliarovci, Čavoj-Biela voda, Čavojec-Podlán, Temeš, Nevidzany, Lomnica) sa nachádzajú metamorfované horniny (granity, granodiority, diority, migmatity a pararuly). Pri potokoch sa nachádzajú fluválne sedimenty (Maheľ 1982). Presnejšie údaje o geologickom podloží sú uvedené v popise lokalít.

Podľa fytogeografického členenia Slovenska (Futák 1984) patrí územie do oblasti západokarpatskej flóry (Carpaticum occidentale), obvodu predkarpatskej flóry (Praecarpaticum), okresu Strážovské a Súľovské vrchy. Potenciálnu prirodzenú vegetáciu (Michalko et al. 1986) na väčšine územia tvoria bukové lesy kvetnaté a bukové kvetnaté lesy podhorské (*Eu-Fagenion*). V alúviu Nitrice sú zastúpené lužné lesy podhorské (*Alnenion glutinoso-incanae*) a ostrovčekovité sa na veľmi malých plochách vyskytujú aj bukové kyslomilné lesy podzväzu *Luzulo-Fagenion* (Jurko 1967).

Výsledky a diskusia

Počas terénneho prieskumu bolo zaznamenaných 554 taxónov vyšších rastlín, ktoré sú nižšie uvedené v abecednom poradí s číslami lokalít, kde boli zistené. Poloha lokalít je znázornená na obr. 1.

Zoznam lokalít

(číslo lokality, názov a popis lokality, geologické podložie, nadmorská výška, geografické súradnice stredu lokality, čísla štvorcov mapovania):

1. prielom Nitrice, skalnaté svahy a extenzívne pasienky po oboch stranách cesty, vápence, dolomity, bridlice a pieskovce, 475 – 530 m n. m., 18°22'41", 48°53'28", 7176a.
2. Maslák, intenzifikované a dost' ruderalizované lúky v okolí osady, pestré bridlice, dolomity a pieskovce, 530 – 600 m n. m., 18°22'37", 48°53'56", 7076c, 7176a.
3. Valaská Belá, SZ okraj obce, rozsiahle intenzifikované lúky na JZ až JV svahoch pod kótou 608 m, v súčasnosti neobhospodávané, miestami prepásané kravami a kozami, pestré bridlice, dolomity a pieskovce, 500 – 570 m n. m., 18°23'02", 48°53'35", 7076c, 7176a.
4. Valaská Belá, nad sklárňou, prevažne kosené lúky na S – SV svahoch, dolomity, bridlice a pieskovce, 475 – 525 m n. m., 18°22'41", 48°53'06", 7176a.
5. Šrámkovci, pasienky v okolí osady, V a SV svahy, dolomity, bridlice a pieskovce, 500 – 610 m n. m., 18°22'34", 48°52'48", 7176a.
6. Valaská Belá, J okraj obce, pasienky na strmších SV – SZ svahoch, dolomity a kremence, 475 – 525 m n. m., 18°23'10", 48°53'02", 7176a.

7. Valaská Belá, J okraj obce, lúky a pasienky okolo kóty 505 m, nad cintorinom, V orientované svahy Zábojnickej doliny, dolomity, vápence, pieskovce, bridlice a slieňovce, 480 – 600 m n. m., 18°23'10", 48°53'17", 7176a.
8. Trhanovci, Toporovci, najmä neobhospodarované a miestami pasené lúky v okolí osád, dolomity, pestré a piesčité bridlice, kremence, 475 – 675 m n. m., 18°22'37", 48°52'23", 7176a.
9. Číkovci, lúky a bývalé polia V a J od osady, na SZ orientovaných svahoch Zábojnickej doliny, dolomity, bridlice a kremence, 450 – 575 m n. m., 18°23'60", 48°52'52", 7176a.
10. Račkovci, Ondrejkovci, prevažne intenzifikované lúky v okolí osád na V a JV svahoch, slienité vápence a slieňovce, 500 – 700 m n. m., 18°22'34", 48°54'36", 7076c.
11. Škripov, niva potoka, čiastočne kosená, prevažne ruderalizovaná, slienité vápence a slieňovce, 490 – 500 m n. m., 18°23'13", 48°54'47", 7076c.
12. Končina, zanedbané a zarastajúce lúky na SZ svahoch Končiny, slienité vápence a slieňovce, 600 – 725 m n. m., 18°23'35", 48°54'36", 7076c.
13. Mócikovci, lúky a mokrad' na JZ svahoch Končiny, bridlice, pieskovce a vápence, 475 – 550 m n. m., 18°23'24", 48°54'18", 7076c.
14. Končina, lúky na hrebeni, vápence, slieňovce a slieň, 700 – 825 m n. m., 18°24'11", 48°54'36", 7076c.
15. Michalovci, lúky, sady a bývalé pasienky v okolí osady, na JZ svahoch Končiny, dolomity, 475 – 575 m n. m., 18°23'60", 48°54'04", 7076c.
16. Ďurovci, SZ svahy Vysokého vrchu, lúky nad ihriskom, v hornej časti ruderalizované, dolomity, 460 – 500 m n. m., 18°24'04", 48°53'38", 7176a.
17. Múčkovci, lúky a pasienky v okolí osady, dolomity, vápence, bridlice, 500 – 625 m n. m., 18°24'40", 48°53'60", 7076c.
18. Múčkovci, breh potoka na V úpätí Vysokého vrchu, J od osady, v blízkosti opusteného lomu, tmavé vápence, dolomity, 475 m n. m., 18°24'47", 48°53'42", 7076c.
19. Štrbkovci, pasienky a krovinaté stráne v okolí osady, vápence, dolomity, slieňovce, bridlice a pieskovce, 450 – 530 m n. m., 18°24'54", 48°53'28", 7176a, 7176b.
20. Vysoký vrch, lúky a bývalé polia na J svahoch Vysokého vrchu S od Valaskej Belej, zčasti kosené, v hornej časti zarastené drevinami, slieň, slieňovce, bridlice, vápence a dolomity, 450 – 580 m n. m., 18°24'25", 48°53'20", 7176a.
21. Hupkovci, lúky a pasienky pri osade, väčšinou Z a SZ svahy, dolomity, vápence a bridlice, 455 – 615 m n. m., 18°25'19", 48°53'42", 7076d, 7176b.
22. Angušinovci, prevažne intenzifikované lúky v okolí osady a na SV svahu až po Slávikovu dolinu, kremence, bridlice a vápence, 440 – 615 m n. m., 18°25'48", 48°53'56", 7076d.
23. Slezákovci, Kopilec, Dutovci, Šupinovci, Slávikovci, lúky a pasienky v okolí osád, prevažne na V a SV svahoch, slieňovce, pieskovce, vápence, silicity, ilovité a slienité bridlice, 425 – 606 m n. m., 18°26'13", 48°53'46", 7076d, 7176b.
24. Macovci, drevinami zarastajúce lúky na Z svahoch v okolí osady, bridlice, slieňovce, 470 – 665 m n. m., 18°25'34", 48°53'28", 7176b.
25. Púčkovci, lúky pri ceste k osade a v okolí osady, vápence, dolomity, slieňovce, bridlice a pieskovce, 550 – 700 m n. m., 18°25'52", 48°53'28", 7176b.
26. Slávikova dolina, nívne lúky a ruderalizované plochy, fluvialné sedimenty, 420 – 453 m n. m., 18°26'24", 48°53'60", 7076d.
27. Vlčkovci, lúky a pasienky v okolí osady, SV svahy, kremeť, biotitické pararuly, 425 – 575 m n. m., 18°25'30", 48°52'52", 7176b.
28. Nitrica, nívne lúky Nitrice medzi Klinom a Valaskou Belou, fluvialné sedimenty, 395 – 425 m n. m., 18°25'41", 48°52'55", 7176b.

29. Chrumkovci, Pánisovci, lúky v okolí osád, v spodnej časti zarastené, kremité biotitické pararuly, 425 – 625 m n. m., 18°25'48", 48°52'34", 7176b.
30. Kapušarovci, lúky a polička v okolí osady, polovica z nich v súčasnosti kosená, kremité biotitické pararuly, 400 – 575 m n. m., 18°26'20", 48°52'26", 7176b.
31. Matušíková, svahové a nivné lúky v okolí osady, prevažne S svahy, migmatity, granity a deluviálne sedimenty, 18°26'53", 48°52'37", 7176b.
32. Nitrica, nivné lúky Nitrice a ruderalné plochy v blízkosti cesty v úseku od Klina po Nitrianske Rudno, fluvialné sedimenty, 340 – 390 m n. m., 18°28'12", 48°50'49", 7176b, 7176d.
33. niva v sútoku Zliechovského potoka a Jaseniny, fluvialné sedimenty, 430 m n. m., 18°27'47", 48°54'25", 7076d.
34. Gápel, ruderalizované pasienky a zarastajúce stráne JZ od obce, S svahy, silicity, slieňovce, vápence, bridlice, 475 – 525 m n.m., 18°28'34", 48°54'25", 7076d.
35. Gápel, čistinka pri ceste 3 km Z od obce pri kóte 460, dolomity, 460 m n.m., 18°28'41", 48°54'36", 7076d.
36. Petriskovci, intenzifikované a zanedbané lúky na SZ svahoch pod osadou, čiastočne spásané, kremence, slieňovce, vápence a bridlice, 450 – 550 m n. m., 18°27'47", 48°54'07", 7076d.
37. Kučerovci, Petriskovci, Šunegovci, väčšinou intenzifikované lúky a pasienky na svahoch Čavojského vrchu, kremité biotitické pararuly, 580 – 660 m n. m., 18°27'54", 48°53'46", 7076d, 7176b.
38. Koškarovci, pasienky SZ od osady, SV svahy pod kótou 725 m, biotiticko-oligoklasové grandiority až kremité diority, 650 – 724 m n. m., 18°28'44", 48°53'56", 7076d, 7176b.
39. Koškarovci, Šindliarovci, lúky a pasienky v okolí osád, mnohé zarastajúce, biotiticko-oligoklasové grandiority, leukokrátne granity, 620 – 892 m n. m., 18°29'06", 48°53'38", 7176b.
40. Cobrial, lúka JZ od osady, deluviálne sedimenty, slieňovce a pieskovce, 580 – 630 m n. m., 18°29'35", 48°53'46", 7176b.
41. Cobrial, slatinné pramenisko pri osade, deluviálne sedimenty hlinito-kamenité, 600 m n. m., 18°29'35", 48°53'49", 7176b.
42. Cobrial, lúky a pasienky okolo osady, dolomity, kremence a pararuly, 600 – 675 m n. m., 18°29'38", 48°53'60", 7076d, 7176b.
43. Čavoj, Dolná Biela Voda, lúky sady a medze okolo kóty 615 m, V a JV od osady Biela Voda, biotiticko-oligoklasové grandiority až silikátové diority, granity, 550 – 600 m n. m., 18°28'48", 48°53'17", 7176b.
44. Čavoj, Biela Voda, suchšie lúky na J a JZ svahoch medzi osadou Biela Voda a Čavojom, slieňovce a pieskovce a biotiticko-oligoklasové grandiority 560 – 640 m n. m., 18°29'31", 48°53'13", 7176b.
45. Čavoj, lúky a polička na J okraji obce, S svahy, vápence, dolomity, silicity, slieňovce a bridlice, 550 – 660 m n. m., 18°29'31", 48°52'55", 7176b.
46. Čavoj, slatinné pramenisko na J okraji obce nad cintorínom, slieňovce, vápence a bridlice, 600 – 610 m n. m., 18°29'24", 48°52'52", 7176b.
47. Čavojec-Podlán, údolie Čavojského potoka a stráne nad ním, lúčky s medzami, okraje ciest, migmatity, granodiority, diority a dolomity 450 – 590 m n. m., 18°28'44", 48°52'44", 7176b.
48. Temeš, Čavoj, lúky medzi obcami, väčšinou nekosené a zarastajúce, migmatity a pararuly, 520 – 650 m n. m., 18°28'48", 48°52'30", 7176b.
49. Temeš, lúky, pasienky a väčšinou zarastené polička a úhory S a Z od obce, pararuly a granity, 520 – 580 m n. m., 18°28'48", 48°52'12", 7176b.
50. Temeš, lúky V a J od obce, pararuly a granity, 500 – 680 m n. m., 18°29'02", 48°52'08", 7176b.
51. Nevidzianka, zvyšky zarastajúcich lúk nad údolím potoka S od obce Nevidzany, pararuly, pri potoku fluvialné sedimenty, 425 – 600 m n. m., 18°29'10", 48°51'11", 7176b, 7176d.

52. Nevidzany, intenzifikované lúky Z od obce, okolo kóty 442, migmatity, 350 – 442 m n. m., 18°28'44", 48°50'35", 7176d.
53. Lomnica, nevyužívané pasienky Z od obce a lúky s poličkami na S okraji obce, Z svahy, migmatity, 320 – 450 m n. m., 18°28'08", 48°50'02", 7176d.
54. Nevidzany, zarastajúce pasienky V a JV od obce, Z a JZ svahy, prevaha pieskovcov, brekcie a zlepené, 350 – 562 m n. m., 18°29'31", 48°50'20", 7176d.

Zoznam taxónov vyšších rastlín

Acer campestre 9, 21, 22; *Acetosa pratensis* 6, 7, 8, 9, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 41, 42, 44, 45, 47, 48, 49, 50, 51, 53, 54; *Acetosella vulgaris* 2, 6, 7, 9, 20, 21, 22, 30, 31, 39, 42, 44, 47, 48, 50, 51; *Achillea collina* 1, 44; *A. millefolium* agg., 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 45, 47, 48, 49, 50, 51, 52, 53, 54; *Acinos alpinus* 42; *A. arvensis* 1, 17, 20, 21, 44, 46, 47; *Actaea spicata* 10; *Aegopodium podagraria* 11, 22, 28, 32, 38, 39, 53; *Aesculus hippocastanum* 9; *Agrimonia eupatoria* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 26, 28, 29, 35, 36, 39, 42, 43, 44, 45, 47, 48, 49, 51, 52, 53, 54; *Agrostis canina* 9; *A. capillaris* 1, 2, 4, 6, 7, 8, 9, 10, 12, 15, 16, 17, 19, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *A. gigantea* 2, 5, 8, 10, 11, 15, 17, 28, 32, 53; *A. stolonifera* 2, 10, 21, 23, 26, 32, 54; *Ajuga genevensis* 1, 12, 14, 17, 21, 43, 47, 48, 53; *A. reptans* 18, 22, 23, 26, 33, 34, 39, 45; *Alchemilla* sp. 1, 2, 3, 7, 8, 9, 10, 11, 13, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 47, 48, 49, 51, 53; *Alisma plantago-aquatica* 26, 32, 33; *Allium oleraceum* 10, 30; *A. scorodoprasum* 3, 5, 8, 10, 14, 34, 36, 40, 42, 50, 51, 52; *Alopecurus pratensis* 11, 14, 19, 23, 24, 25, 27, 30, 31, 33; *Amaranthus* sp. 32, 47; *Anagallis arvensis* 6, 8, 32, 43, 45, 51, 52, 53, 54; *Angelica sylvestris* 26, 32, 33; *Antennaria dioica* 1, 22, 51; *Anthemis arvensis* 11, 19, 30, 32, 49, 50, 52; *Anthericum ramosum* 40; *Anthoxanthum odoratum* 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 25, 27, 30, 31, 33, 36, 39, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *Anthriscus sylvestris* 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 36, 37, 39, 42, 43, 44, 45, 47, 48, 49, 50, 53, 54; *Anthyllis vulneraria* 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 17, 18, 19, 20, 21, 22, 25, 36, 39, 42, 43, 44, 45, 46, 47, 48, 49, 50, 53, 54; *A. vulneraria* subsp. *polyphylla* 47; *Apera spica-venti* 52; **LR: nt** *Aquilegia vulgaris* 45; *Arabidopsis thaliana* 19; *Arabis glabra* 23; *A. hirsuta* 1, 6, 8, 10, 17, 18, 19, 21, 23, 24, 26, 31, 34, 39, 42, 44, 45, 48, 54; *Arctium lappa* 51; *A. nemorosum* 53; *A. tomentosum* 2, 10, 28, 32, 34, 44; *Arenaria serpyllifolia* 1, 2, 17, 19, 20, 30, 32, 48; *Armoracia rusticana* 10, 45, 47; *Arrhenatherum elatius* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 52, 53, 54; *Artemisia absinthium* 39; *A. vulgaris* 1, 2, 4, 10, 11, 15, 17, 19, 22, 23, 26, 30, 32, 35, 39, 42, 43, 44, 47, 48, 49, 50, 51, 52, 53; *Asarum europaeum* 1, 9, 10, 12, 39, 45; *Asperula cynanchica* 1, 3, 6, 8, 10, 12, 13, 15, 16, 17, 18, 20, 21, 44, 54; *A. tinctoria* 40; *Asplenium ruta-muraria* 1; *A. trichomanes* 1, 9; *A. viride* 9; *Astragalus glycyphyllos* 3, 6, 8, 10, 17, 20, 21, 22, 32, 34, 39, 40, 42, 43, 47, 48, 49, 50, 51, 52, 53; *Astrantia major* 40, 48; *Athyrium filix-femina* 9, 27; *Atriplex* sp. 32; *Avena fatua* 50; *Avenula pubescens* 33; *Ballota nigra* 30; *Barbarea vulgaris* 26; *Bellis perennis* 8, 15, 17, 18, 19, 21, 22, 23, 27, 45, 47, 54; *Berberis vulgaris* 26; *Betonica officinalis* 1, 3, 5, 6, 7, 9, 10, 17, 19, 20, 21, 22, 24, 27, 34, 37, 39, 45, 48, 50; *Betula pendula* 9, 46; *Bidens* sp. 30; *Blysmus compressus* 16, 18, 21; *Brachypodium pinnatum* 1, 7, 10, 15, 16, 17, 40, 42, 44, 45, 46, 54; *B. sylvaticum* 1, 2, 4, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 35, 42, 44, 45, 47, 49, 51, 53, 54; *Briza media* 1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 36, 37, 39, 41, 42, 43, 44, 45, 46, 47, 48,

49, 50, 51, 53, 54; *Bromus benekenii* 22; *B. erectus* 1, 3, 9, 16, 22, 42; *B. hordeaceus* 1, 2, 3, 11, 13, 15, 21, 22, 44, 49, 54; *B. inermis* 10; *B. sterilis* 20; *Bunias orientalis* 44.
Calamagrostis arundinacea 36, 38; *C. epigejos* 1, 2, 6, 7, 8, 9, 10, 15, 17, 18, 20, 22, 25, 27, 28, 29, 30, 31, 33, 34, 37, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54; *C. varia* 46; *Caltha palustris* 7, 8, 9, 11, 13, 16, 20, 21, 23, 26, 32, 33, 39, 40, 46, 48; *Calystegia sepium* 32; *Campanula cervicaria* 36; *C. glomerata* 7, 9, 10, 12, 14, 15, 17, 20, 22, 24, 34, 38, 39, 40, 42, 43, 45, 46, 47; *C. patula* 1, 3, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *C. persicifolia* 12, 20, 23, 24, 36, 37, 45, 47, 48, 49; *C. rapunculoides* 1, 2, 3, 5, 7, 8, 10, 15, 19, 21, 22, 25, 28, 30, 39, 43, 44, 45, 47, 48, 49, 50, 54; *C. trachelium* 5, 8, 9, 10, 11, 22, 23, 29, 30, 34, 43, 44, 45, 48; *Capsella bursa-pastoris* 1, 2, 19, 27, 30, 32, 43, 44, 45, 47, 49, 51; *Cardamine amara* 27, 48; *Cardaminopsis arenosa* agg. 1; *Carduus acanthoides* 1, 2, 3, 10, 11, 15, 16, 17, 19, 20, 21, 22, 31, 36, 43, 44, 47; *C. crispus* 11, 26, 29, 32, 33, 34, 46, 47; *Carex acutiformis* 26; *C. alba* 44; *C. caryophylla* 1, 6, 7, 16, 17, 22, 39, 42, 44, 51, 53; **VU** *C. davalliana* 41, 46; *C. digitata* 8; **VU** *C. distans* 16, 18, 21, 47; *C. flacca* 8, 9, 12, 14, 25, 26, 33, 39, 40, 41, 42, 45, 46, 47, 48; **LR: nt** *C. flava* 5, 8, 18, 20, 21, 22, 23, 26, 47; *C. hirta* 2, 6, 7, 8, 9, 10, 11, 13, 18, 19, 20, 21, 22, 26, 27, 31, 32, 33, 40, 46, 48, 50, 51, 53, 54; **LR: nt** *C. lepidocarpa* 21, 40, 41, 46; *C. montana* 27, 45; *C. muricata* agg. 1, 3, 4, 7, 9, 10, 13, 15, 17, 19, 20, 21, 22, 23, 32, 33, 36, 39, 42, 47, 48, 49, 50, 54; *C. nigra* 9, 16, 18, 20, 33, 41, 46; *C. ovalis* 8, 9, 23, 27, 49, 50, 51; *C. pallescens* 1, 3, 7, 8, 9, 12, 17, 20, 21, 22, 23, 24, 27, 31, 34, 36, 37, 38, 39, 40, 42, 47, 48, 50; *C. panicea* 4, 5, 7, 9, 16, 18, 20, 21, 23, 26, 33, 40, 41, 42, 46; **VU** *C. paniculata* 5, 11, 16, 18, 20, 26, 32, 33, 40, 41, 46, 48; *C. remota* 8, 47; *C. sylvatica* 8, 9, 10, 26, 34, 47; *C. tomentosa* 8, 9, 10, 12, 16, 21, 26, 33, 40, 42, 44, 46, 54; *C. vesicaria* 20; *Carlina acaulis* 1, 3, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 36, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 53, 54; *C. vulgaris* 8, 39, 42, 44, 47, 51, 52, 53, 54; *Carpinus betulus* 36; *Carum carvi* 1, 3, 8, 9, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 36, 39, 42, 45, 47; **LR: nt** *Centaurium erythraea* 51, 52, 54; §, **VU** *C. pulchellum* 11; §, **VU** *Cephalanthera damasonium* 8, 18; §, **VU** *C. rubra* 8, 22, 42, 47; *Cerastium holosteoides* 1, 2, 3, 5, 7, 8, 9, 10, 11, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 32, 33, 36, 37, 45, 46, 47, 49, 50, 51, 54; *Ceratophyllum demersum* 33; *Cerinthe minor* 1, 9, 10, 14, 17, 21, 47; *Chaerophyllum aromaticum* 1, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 37, 38, 39, 42, 43, 44, 45, 48, 50, 52, 54; *Ch. hirsutum* 7, 10, 34; *Chamerion angustifolium* 22, 28, 49, 53; *Chelidonium majus* 22, 44, 45; *Chenopodium album* 19, 44, 45, 47, 48, 49; *Ch. bonus-henricus* 10, 11, 22, 23, 42; *Chondrilla juncea* 17; *Chrysosplenium alternifolium* 8, 27; *Cichorium intybus* 2, 5, 7, 8, 10, 15, 26, 32, 42, 44, 47, 48, 50, 51, 52, 54; *Circaea lutetiana* 8, 15, 34, 54; *Cirsium arvense* 2, 5, 6, 7, 8, 12, 15, 16, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 34, 36, 37, 39, 42, 43, 45, 47, 49, 50, 51, 52, 53, 54; *C. canum* 7, 11, 16, 20, 28, 32, 33, 53; *C. eriophorum* 1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 14, 16, 17, 19, 20, 21, 23, 25, 26, 31, 38, 39, 47, 48, 54; *C. oleraceum* 9, 10, 11, 21, 23, 24, 25, 34, 36, 37, 39, 41, 42, 43, 44, 45, 46, 47, 48, 49, 54; *C. patula* 2, 5, 7, 8, 9, 16, 26, 31, 32, 39, 46, 48, 49, 50, 51; *C. pannonicum* 40, 42, 45; *C. rivulare* 13, 20, 26, 33, 39, 40, 41, 48; *C. vulgare* 1, 2, 7, 10, 15, 19, 42, 48, 53, 54; *Clematis vitalba* 20, 21, 22, 32, 35, 43, 44, 47; *Clinopodium vulgare* 1, 5, 8, 10, 12, 14, 15, 17, 19, 20, 21, 23, 24, 26, 28, 29, 30, 31, 34, 35, 39, 42, 43, 44, 47, 48, 49, 50, 51, 52, 53, 54; *Colchicum autumnale* 4, 5, 7, 8, 9, 10, 11, 13, 14, 16, 17, 19, 20, 21, 22, 26, 29, 33, 34, 36, 39, 40, 41, 42, 46, 48, 50; *Colymbada scabiosa* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 21, 22, 24, 25, 34, 36, 37, 39, 41, 42, 43, 44, 45, 46, 47, 48, 49, 54; *Convolvulus arvensis* 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 36, 37, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *Conyza canadensis* 17, 32, 43, 44, 52, 53; §, **VU** *Corallorhiza trifida* 8; *Corylus avellana* 9, 36, 46; *Cota tinctoria* 17, 39; *Crataegus monogyna* 9, 19, 21; *Crepis biennis* 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 52, 53, 54;

C. capillaris 53; *C. paludosa* 26, 33, 40, 41, 46, 48; *C. setosa* 53; *Cruciata glabra* 1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20, 21, 22, 24, 25, 26, 27, 29, 30, 31, 33, 34, 36, 37, 38, 39, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 54; *Cucubalus baccifer* 53; *Cuscuta* sp. 3, 4, 5, 6, 7, 8, 9, 10, 16, 22, 27, 29, 31, 43, 44, 47, 52; *Cynosurus cristatus* 1, 2, 3, 5, 7, 9, 11, 13, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 36, 37, 38, 39, 42, 44, 45, 46, 47, 48, 49, 50, 51, 53, 54; *Cyperus fuscus* 16; *Cystopteris fragilis* 9.

Dactylis glomerata 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; § *Dactylorhiza majalis* 2, 20, 22, 23, 31, 33, 41, 48; *Danthonia decumbens* 1, 7, 8, 18, 21, 22, 23, 24, 27, 31, 37, 39, 43, 48, 51, 53; *Daphne mezereum* 8; *Daucus carota* 1, 2, 3, 4, 7, 8, 9, 10, 15, 16, 17, 20, 21, 23, 26, 27, 30, 32, 34, 39, 42, 43, 44, 45, 47, 48, 50, 51, 52, 53, 54; *Deschampsia cespitosa* 2, 8, 9, 11, 16, 20, 26, 27, 31, 32, 34, 36, 40, 41, 46, 47, 48; *Dianthus armeria* 1, 49; *D. carthusianorum* 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 26, 32, 35, 36, 38, 39, 42, 43, 44, 45, 47; *D. carthusianorum* subsp. *latifolius* 1, 21, 22, 50; *D. deltoides* 1, 6, 7, 8, 9, 13, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 31, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 51, 53, 54; *Digitalis grandiflora* 22, 26, 43; *Dipsacus fullonum* 7, 10, 11, 21, 26, 31, 32, 34, 35.

Echinochloa crus-galli 47, 54; *Echium vulgare* 1, 3, 10, 16, 17, 21, 22, 24, 26, 35, 37, 39, 42, 43, 44, 47, 48, 49, 50, 51, 52; *Eleocharis palustris* agg. 51; *Elytrigia repens* 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 15, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 34, 35, 36, 39, 42, 43, 44, 46, 47, 49, 50, 51, 52, 53; *Epilobium ciliatum* 32, 44, 52, 53; *E. collinum* 20 cf., 29, 45, 47, 48; *E. hirsutum* 6, 7, 8, 10, 11, 16, 20, 21, 26, 28, 32, 39, 44, 51, 52; *E. montanum* 8, 10, 22, 23, 26, 34, 38, 39, 43, 48, 49, 50; *E. parviflorum* 1, 2, 6, 10, 16, 21, 26; *E. tetragonum* 9, 28, 43, 44; §, **LR: nt** *Epipactis atrorubens* 8, 17, 22, 26, 42, 47; **LR: nt** *E. helleborine* 8, 17, 22, 44, 45; §, **VU** *E. palustris* 41; *Equisetum arvense* 6, 7, 8, 10, 11, 13, 15, 16, 17, 20, 21, 22, 23, 26, 27, 28, 30, 31, 32, 34, 39, 40, 41, 43, 44, 46, 47, 48, 49, 50, 51, 52, 53; *E. fluviatile* 16, 41, 46; *E. palustre* 2, 5, 11, 16, 20, 21, 26, 28, 31, 32, 33, 40, 48; *E. sylvaticum* 39; *Erigeron acris* 39, 42, 44, 48; *Eriophorum latifolium* 16, 21, 41, 46, 48; *Erysimum odoratum* 1, 3, 6, 12, 16, 17, 20, 21, 22; *Eupatorium cannabinum* 5, 8, 11, 16, 21, 26, 27, 28, 32, 33, 34, 35, 40, 41, 43, 44, 46, 47, 50, 51; *Euphrasia rostkoviana* 6, 7, 8, 9, 10, 15, 16, 17, 19, 20, 21, 22, 23, 25, 27, 29, 30, 31, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 53, 54; *E. stricta* 39, 44.

Fagus sylvatica 9; *Fallopia convolvulus* 30, 44, 45, 47; *Festuca gigantea* 7, 29, 51; *F. pratensis* 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 53, 54; *F. rubra* agg. 1, 3, 5, 6, 7, 8, 10, 12, 14, 16, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *F. rupicola* 1, 4, 6, 7, 9, 10, 13, 15, 16, 17, 19, 20, 21, 22, 23, 44, 48; *Filaginella uliginosa* 49; *Filipendula ulmaria* 1, 20, 23, 26, 27, 28, 31, 32, 33, 39, 40, 48, 53; *F. vulgaris* 1, 2, 5, 6, 8, 10, 17, 20, 21, 22, 23, 24, 27, 34, 36, 39, 40, 41, 42, 43, 45, 47, 48, 50; *Fragaria moschata* 12, 22, 45, 49; *F. vesca* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 27, 32, 34, 36, 37, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 52, 53, 54; *F. viridis* 1, 5, 7, 13, 14, 17, 19, 20, 21, 22, 23, 24, 25, 39, 54; *Fraxinus excelsior* 46; *Fumaria officinalis* 44, 45, 49.

Galeopsis bifida 5, 8, 9, 23, 29, 30, 44, 45, 47, 48, 49; *G. pubescens* 27; *G. speciosa* 34, 35; *Galinsoga parviflora* 30, 45, 47, 49; *G. urticifolia* 32, 44, 45; *Galium album* 1, 2, 3, 5, 6, 7, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 34, 36, 37, 38, 39, 42, 44, 45, 46, 47, 50, 51, 52, 53, 54; *G. aparine* 7, 10, 11, 16, 19, 20, 21, 22, 23, 26, 28, 29, 30, 32, 33, 34, 44, 45, 47, 48, 49; *G. mollugo* 1, 3, 5, 6, 7, 8, 9, 10, 11, 13, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 28, 32, 33, 34, 37, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 53, 54; *G. mollugo* agg. 10, 19, 22, 41; *G. odoratum* 9, 10; *G. palustre* 8, 9, 21, 26, 31, 32, 41, 51; *G. rivale* 11, 20, 27, 28, 29, 31, 32, 33, 34, 48, 51, 53; *G. uliginosum* 21, 26, 33, 48; *G. erum* 1, 3, 5, 6, 7, 9, 10, 12, 14, 15, 16, 20, 21, 26, 33, 34, 35, 51; **LR: nt** *Gentiana cruciata* 3, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 20, 21, 22, 42; *Gentianella* sp. 17, 26; *Geranium*

columbinum 1, 10, 17, 19, 20, 21, 22, 23, 44, 47, 48, 50, 51, 52; *G. dissectum* 44, 52; *G. palustre* 23, 26, 28, 32, 48; *G. pratense* 1, 3, 5, 6, 7, 8, 10, 11, 19, 20, 21, 26, 27, 28, 30, 31, 32, 34, 44, 51, 53; *G. pusillum* 2, 10, 22, 44; *G. pyrenaicum* 32; *G. robertianum* 1, 9, 13, 26, 27, 29, 32, 40, 44, 45, 48, 53; *Geum rivale* 33, 34; *G. urbanum* 1, 7, 8, 9, 10, 11, 14, 17, 19, 20, 21, 22, 23, 25, 34, 43, 44, 45, 47, 48, 49, 53, 54; §, **VU** *Gladiolus imbricatus* 40; *Glechoma hederacea* 7, 8, 9, 10, 11, 19, 25, 26, 30, 39, 43, 45, 47, 53; *G. hirsuta* 1, 10, 17; *Glyceria declinata* 54; *G. nemoralis* 10, 11, 18, 23, 26, 28, 46, 47, 48; *G. notata* 51; *Gymnadenia conopsea* subsp. *conopsea* 6, 8, 9, 12, 17, 18, 22, 24, 25, 27, 29, 39, 40, 41, 42, 45, 46, 47, 48, 50; §, **EN** *G. densiflora* 41, 46; *Gymnocarpium robertianum* 1; *Gypsophila muralis* 52, 54.

Hedera helix 1; *Helianthemum grandiflorum* subsp. *obscurum* 8, 9, 12, 13, 14, 15, 17, 18, 19, 22, 25, 42, 43, 44, 45, 47, 48, 54; *Heracleum sphondylium* 1, 5, 6, 7, 8, 9, 10, 11, 13, 15, 18, 19, 20, 21, 23, 24, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 40, 43, 44, 45, 47, 48, 49, 50, 51, 53; *Hieracium lachenalii* 45; *H. murorum* 42; *H. sabaudum* 27, 52, 53; *H. umbellatum* 45; §, **EN** *Hippochaete variegata* 18; *Hippocrepis comosa* 1, 3, 6, 7, 10, 16, 21, 22; *Holcus lanatus* 7, 8, 9, 18, 20, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54; *H. mollis* 20; *Hypericum hirsutum* 8, 10, 11, 18, 20, 26, 32, 35; *H. maculatum* 1, 3, 6, 7, 8, 9, 10, 16, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 50, 51, 53; *H. perforatum* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 24, 25, 26, 27, 28, 31, 34, 36, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *H. tetrapterum* 20, 21, 23, 26, 33, 41; *Hypochaeris radicata* 23, 27, 31, 47, 48, 52, 53.

Impatiens glandulifera 54; *I. noli-tangere* 7, 8, 9, 11, 28, 51; *I. parviflora* 1, 32, 53; *Inula britannica* 44; *I. conyzae* 1, 8, 9, 10, 44; *I. salicina* 16, 42, 44.

Jacea phrygia agg. 8, 9, 16, 17, 23, 27, 28, 30, 31, 32, 34, 43, 44, 45, 47, 50, 53; *J. pratensis* 2, 3, 5, 6, 7, 8, 11, 14, 15, 16, 18, 19, 20, 21, 23, 24, 27, 28, 29, 31, 32, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 50, 51, 52, 53; *J. sp.* 22, 26, 33, 44, 47, 49, 54; **LR: nt** *Jasione montana* 51; *Juglans regia* 9; *Juncus articulatus* 2, 9, 18, 21, 23, 26, 27, 28, 31, 32, 33, 41, 46, 47, 48, 51; *J. bufonius* 8, 31, 32, 33; *J. compressus* 8, 11, 18, 21, 33; *J. conglomeratus* 48; *J. effusus* 2, 8, 9, 20, 23, 27, 31, 32, 39, 48, 51, 53; *J. inflexus* 1, 2, 5, 7, 10, 11, 11, 13, 16, 18, 20, 21, 23, 26, 28, 31, 32, 33, 34, 41, 44, 46, 47, 51; *J. tenuis* 32, 54; *Juniperus communis* 1, 4, 6, 7, 9, 15, 21, 22.

Knautia arvensis 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20, 22, 24, 32, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 53, 54; **KZs** *K. kitaibelii* 10, 12, 16, 21; *Koeleria macrantha* 1.

Lactuca serriola 10, 32, 39, 44, 49, 53; *Lamium maculatum* 26, 27, 34, 43, 45, 47; *L. purpureum* 30, 44, 47, 49; *Lapsana communis* 30, 32, 34, 45, 47, 49; *Larix decidua* 9; *Laserpitium latifolium* 40; *Lathyrus latifolius* 45; *L. pratensis* 1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 36, 37, 39, 40, 42, 43, 45, 47, 49, 50; *L. sylvestris* 37, 39, 42, 43, 44, 47; *L. tuberosus* 1, 3, 5, 8, 9, 20, 21, 22, 29, 44, 47, 48; *Lemna minor* 26; *Leontodon autumnalis* 29, 30, 32, 54; *L. hispidus* 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 34, 35, 36, 37, 38, 39, 42, 43, 44, 47, 48, 50, 51, 53, 54; *L. hispidus* subsp. *danubialis* 9, 22, 45, 46, 48, 49; *L. hispidus* subsp. *hispidus* 21, 22, 44, 45, 46, 49; *L. incanus* 8; *Lepidium campestre* 1, 22, 49; *Leucanthemum vulgare* agg. 1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 53, 54; *Libanotis pyrenaica* 34, 35; *Ligustrum vulgare* 16, 21, 26, 46; **LR: nt** *Lilium martagon* 40, 45, 47; *Linaria vulgaris* 1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 15, 20, 21, 22, 25, 28, 29, 30, 34, 38, 39, 42, 43, 44, 45, 47, 50, 51, 52, 53; *Linum catharticum* 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 31, 32, 36, 39, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 54; §, **VU** *Listera ovata* 7, 8, 9, 12, 18, 21, 22, 25, 40, 42, 45, 46, 47; *Lolium perenne* 2, 3, 4, 7, 10, 15, 27, 28, 30, 32, 43, 44, 47, 49, 50, 53, 54; *Lonicera xylosteum* 9; *Lotus corniculatus* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,

17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54; *Luzula campestris* 1, 6, 8, 17, 18, 19, 21, 22, 24, 25, 31, 39, 43, 44, 45, 47, 50, 53, 54; *L. luzuloides* 22, 27, 30, 36, 37, 39, 45, 50, 53; *L. multiflora* 7, 12, 20, 25, 27, 36, 37, 38, 39, 41, 44, 45, 47, 48, 49, 50; *Lychnis flos-cuculi* 9, 11, 18, 20, 21, 23, 26, 31, 33, 48, 49; *Lycopsis arvensis* 49; *Lycopus europaeus* 2, 8, 9, 18, 22, 26, 31, 39, 51, 53; *Lysimachia nummularia* 2, 5, 8, 9, 10, 11, 15, 16, 18, 19, 20, 21, 23, 26, 27, 28, 29, 30, 31, 33, 34, 44, 45, 48, 53; *L. vulgaris* 5, 9, 20, 21, 23, 26, 29, 31, 32, 39, 48, 49, 50, 53; *Lythrum salicaria* 5, 11, 16, 20, 21, 26, 28, 31, 32, 33, 39, 40, 41, 47, 48, 51, 53.

Maianthemum bifolium 22, 45; *Malva moschata* 20; *M. neglecta* 44, *Matricaria discoidea* 11, 32, 44, 49, 54; *M. recutita* 47; *Medicago falcata* 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 19, 20, 21, 22, 31, 35, 36, 39, 40, 42, 44, 45, 47, 48, 54; *M. lupulina* 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 29, 32, 33, 39, 42, 43, 44, 45, 47, 48, 50, 54; *M. sativa* 1, 2, 3, 28, 44, 45; *M. ×varia* 1, 3, 9, 10, 42, 43, 44, 47; *Melica ciliata* 1, 16, 44; *M. nutans* 8, 22, 40, 47; *M. transsilvanica* 1; *Melilotus albus* 1; *M. officinalis* 1, 4, 8, 10, 15, 17, 19, 20, 21, 32, 37, 39, 42, 43, 44, 45, 47, 48; *Melittis melissophyllum* 23; *Mentha arvensis* 2, 9, 11, 20, 21, 22, 23, 26, 27, 31, 44, 45, 53; *M. longifolia* 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 13, 15, 16, 18, 20, 21, 22, 24, 26, 27, 28, 30, 31, 32, 33, 34, 39, 40, 44, 46, 47, 48, 50, 51, 53; *Mercurialis perennis* 10, 21; *Microrrhinum minus* 32; *Molinia arundinacea* 47; *Mycelis muralis* 9; *Myosotis arvensis* 1, 7, 8, 11, 12, 13, 17, 19, 20, 21, 32, 23, 24, 25, 28, 30, 33, 37, 39, 42, 43, 44, 45, 47, 48, 49, 50, 53; *M. laxiflora* 16; *M. nemorosa* 48; *M. scorpioides* 2, 5, 7, 8, 9, 20, 21, 23, 28, 33; *M. scorpioides* agg. 11, 18, 26, 31, 32, 53; *Myosoton aquaticum* 26, 28, 32, 51, 52.

Nardus stricta 6, 7, 9, 22, 27, 29, 30, 31, 36, 37, 51; *Neottia nidus-avis* 18, 19, 22.

Odontites vulgaris 8, 54; *Omalothea sylvatica* 9, 52, 53; *Onobrychis viciifolia* 1, 3, 5, 6, 9, 10, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 42, 44, 47; *Ononis spinosa* 1, 2, 3, 4, 5, 6, 7, 8, 10, 15, 16, 18, 19, 21, 22, 25, 27, 31, 34, 39, 42, 44, 47, 48, 51, 54; *Onosma* sp. 1; §, **VU** *Orchis mascula* subsp. *signifera* 12; §, **VU** *O. militaris* 22; *Origanum vulgare* 10, 12, 13, 15, 20, 26, 35, 42, 43, 44, 45, 47, 48, 54; **VU** *Orobancha elatior* 47, 48; *O. flava* 33; *Orobancha* sp. 35, 45; *Orthilia secunda* 8; *Oxalis acetosella* 10, 45.

Paris quadrifolia 8, 10; **LR: nt** *Parnassia palustris* 41; *Pastinaca sativa* 1, 2, 3, 4, 7, 10, 11, 16, 20, 22, 28, 31, 32, 33, 35, 42, 44, 53; *Peplis portula* 8; *Persicaria hydropiper* 9, 27, 28, 51; *P. lapathifolia* 2, 30, 31, 32, 47, 49, 52, 54; *P. maculosa* 2, 9, 52; *Petasites albus* 22, 47, 48; *P. hybridus* 8, 9, 11, 28, 32, 33, 34, 48; *Phleum pratense* 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 13, 14, 15, 17, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 34, 36, 39, 40, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *Phyteuma spicatum* 34, 45; *Picea abies* 36; *Picris hieracioides* 1, 3, 8, 10, 16, 44, 46, 47, 54; *Pilosella bauhinii* 1, 8, 13, 17, 18, 19, 21, 22, 23, 25, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; **VU** *P. caespitosa* 39; *P. officinarum* 1, 7, 8, 9, 19, 21, 25, 27, 31, 39, 43, 44, 51, 53, 54; *Pimpinella major* 9, 18, 39, 50; *P. saxifraga* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, 19, 20, 21, 22, 24, 26, 27, 28, 30, 31, 34, 35, 37, 38, 39, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54; *Pinus sylvestris* 1, 9, 46; *Plantago lanceolata* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *P. major* 2, 3, 5, 7, 8, 9, 10, 11, 19, 20, 21, 23, 27, 30, 31, 32, 35, 43, 47, 48, 49, 51, 52, 53, 54; *P. media* 1, 2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 34, 36, 39, 40, 42, 43, 44, 45, 46, 47, 48, 50, 51, 53, 54; **VU** *Platanthera bifolia* 18, 39, 44, 47, 49, 50; §, **EN** *P. chlorantha* 10, 12, 13, 18, 21, 23; *Poa angustifolia* 9, 50, 54; *P. annua* 11, 32, 44, 47, 49, 54; *P. compressa* 1, 6, 7, 9, 18, 22, 44, 47, 50, 51, 54; *P. nemoralis* 8, 22, 23, 34, 47, 53, 54; *P. palustris* 7, 26, 28, 51; *P. pratensis* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 33, 34, 36, 37, 38, 39, 42, 43, 44, 47, 48, 49, 50, 51, 53, 54; *P. remota* 54; *P. trivialis* 3, 8, 11, 13, 17, 18, 19, 20, 21, 22, 23, 25, 26, 28, 30, 32, 33, 45, 46, 48, 50, 51, 54; *Polygala comosa* 1, 3, 6, 8, 9, 12, 13, 17, 18, 20, 21, 22, 24, 25, 36,

39, 42, 44, 45, 47, 48, 50; *P. major* 45, 47; *P. vulgaris* 1, 7, 23, 24, 27, 31, 36, 39, 48, 49, 53; *Polygonatum odoratum* 40; *P. aviculare* 2, 11, 32, 44, 47, 49, 53; *Potentilla anserina* 2, 3, 7, 8, 9, 10, 11, 16, 18, 20, 22, 23, 26, 27, 31, 32, 34, 39, 42, 44, 47, 49; *P. argentea* 1, 37, 38, 39, 43, 47, 48, 50, 51, 52; *P. collina* agg. 45; *P. erecta* 1, 6, 7, 8, 9, 13, 20, 21, 22, 23, 24, 26, 27, 29, 30, 31, 33, 34, 36, 37, 39, 40, 41, 43, 45, 46, 47, 48, 49, 51, 53; *P. heptaphylla* 1, 3, 6, 7, 8, 9, 10, 16, 21, 31, 39, 42, 44, 47, 54; *P. inclinata* 20, 52; *P. recta* 17, 20; *P. reptans* 1, 2, 3, 5, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 25, 26, 28, 31, 35, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 53, 54; *Primula elatior* 33, 34, 45; *P. veris* 1, 3, 6, 7, 8, 9, 10, 12, 13, 14, 16, 18, 19, 21, 22, 25, 26, 34, 35, 36, 37, 38, 39, 42, 44, 45, 46, 47, 48, 49, 50, 54; *Prunella grandiflora* 53; *P. laciniata* 1, 4, 8, 15, 17, 18, 44; *P. vulgaris* 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 36, 37, 39, 41, 42, 43, 44, 45, 47, 49, 50, 51, 52, 53, 54; *P. ×intermedia* 1, 22, 48; *Prunus spinosa* 21, 22, 26; *Pseudolysimachium spicatum* 21; *Pteridium aquilinum* 8, 15, 21, 27, 29, 31, 34, 39, 42, 47, 48; *Pulmonaria obscura* 30; *Pyrethrum clusii* 45; *P. corymbosum* 39, 44, 45.

Ranunculus acris 1, 2, 3, 5, 7, 8, 9, 10, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 42, 44, 45, 46, 47, 48, 49, 50, 53, 54; *R. auricomus* agg. 34; *R. bulbosus* 12, 13, 14, 17, 19, 21, 23, 36, 45; *R. flammula* 9, 31; *R. polyanthemus* 9, 10, 12, 16, 19, 20, 22, 25, 36, 39, 42, 44, 45, 47, 48; *R. repens* 2, 3, 6, 7, 8, 9, 10, 11, 13, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 33, 43, 44, 45, 47, 48, 50, 51, 54; *Reseda lutea* 47; *Reynoutria japonica* 27, 52; *Rhinanthus minor* 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28, 31, 36, 37, 38, 39, 42, 44, 45, 47, 48, 50, 51, 54; *R. serotinus* 35; *Rorippa sylvestris* 49; *Rosa* sp. 7, 19, 21, 22, 36, 38, 45, 47; *Rubus idaeus* 8, 9, 22, 26, 27, 29, 30, 34, 45, 47, 48; *Rumex* cf. *aquaticus* 9, 22; *R. conglomeratus* 21, 26, 28, 30, 31, 32, 42, 51; *R. crispus* 2, 3, 5, 7, 9, 10, 20, 21, 25, 29, 32, 33, 43, 47, 48, 49, 51, 52, 54; *R. obtusifolius* 9, 28, 32, 34, 52, 53; *R. sanguineus* 7.

Sagina procumbens 8, 32; *Salix caprea* 46; *S. cinerea* 46; *S. fragilis* 26, 46; *S. purpurea* 46; *S. purpurea* × *S. fragilis* 46; *Salvia glutinosa* 8, 10, 21, 29, 47, 48; *S. pratensis* 1, 4, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 24, 26, 32, 34, 35, 36, 37, 39, 40, 42, 43, 44, 45, 49, 50, 54; *S. verticillata* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 24, 25, 26, 35, 36, 37, 39, 42, 43, 44, 45, 47, 48, 51, 54; *Sanguisorba minor* 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 19, 20, 21, 22, 23, 24, 26, 35, 36, 39, 42, 44, 45, 47, 48, 53; *Sanicula europaea* 9, 10, 17; *Scabiosa ochroleuca* 44; *Scirpus sylvaticus* 2, 7, 11, 21, 23, 24, 26, 28, 31, 32, 33, 39, 41, 46, 47, 48, 51, 53; *Scrophularia nodosa* 8, 9, 10, 11, 18, 22, 23, 27, 29, 32, 39, 43, 47, 49; **LR: nt** *S. umbrosa* 21, 26, 32, 51; *Securigera varia* 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 35, 36, 37, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *Sedum acre* 39, 50; *S. album* 1, 3, 10 cf.; *S. sexangulare* 1, 3, 4, 6, 7, 8, 9, 10, 15, 17, 19, 20, 21, 22, 23, 25, 27, 39, 43, 44, 47, 48, 49, 51, 53; *Senecio jacobaea* 3, 7, 8, 9, 10, 16, 22, 31, 34, 38, 39, 43, 45, 47, 49, 50, 51, 52, 53, 54; *S. ovatus* 9, 11, 43; **§, EN** *S. umbrosus* 6, 8, 11; *Setaria pumila* 32; *Silene dioica* 34, 47; *S. latifolia* subsp. *alba* 1, 3, 5, 7, 8, 9, 17, 19, 20, 21, 28, 29, 30, 32, 33, 35, 37, 39, 42, 43, 44, 47, 49, 50, 52, 53; *S. nutans* 1, 3, 8, 9, 15, 16, 17, 18, 20, 21, 22, 23, 25, 36, 39, 43, 47, 48, 49, 51, 53; *S. vulgaris* 1, 4, 6, 8, 9, 10, 13, 14, 15, 16, 17, 19, 21, 22, 27, 28, 29, 32, 37, 38, 39, 42, 43, 44, 45, 47, 48, 50, 51, 52, 53; *Sinapis arvensis* 32, 44; *Sisymbrium officinale* 11, 44; *Solidago gigantea* 27; *S. virgaurea* 45, 47; *Sonchus arvensis* 10, 43, 49; *S. asper* 44; *S. oleraceus* 31; *Stachys alpina* 10, 22, 32, 34; *S. germanica* 1; *S. palustris* 8, 9, 10, 27, 29, 30, 43, 44, 45, 49, 52, 53; *S. sylvatica* 8, 10, 11, 22, 26, 34, 40, 47, 49, 54; *Stellaria alsine* 51; *S. graminea* 2, 3, 9, 19, 22, 23, 25, 26, 27, 28, 29, 30, 31, 33, 38, 39, 43, 44, 47, 48, 49, 50, 53, 54; *S. media* 7, 22, 30, 44, 45, 47, 49; *Stenactis annua* 43, 47, 49; *Steris viscaria* 9, 37, 47, 48, 49, 50; *Succisa pratensis* 20; *Symphytum officinale* 20, 23, 26, 27, 28, 30, 32, 42, 45, 47, 48, 49, 50, 51, 53; *Syringa vulgaris* 9.

Tanacetum vulgare 2, 7, 9, 11, 22, 26, 27, 28, 30, 35, 43, 44, 47, 48, 51, 52, 54; *Taraxacum officinale* 1, 3, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 28, 30, 31, 34, 36, 37, 38, 39, 42,

43, 44, 45, 47, 48, 49, 50, 53, 54; §, **EN, KZ** *Tephrosia longifolia* subsp. *moravica* 45; *Teucrium botrys* 1, 10; *T. chamaedrys* 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 35, 43, 44, 47, 54; *Thlaspi arvense* 32, 45; *Th. perfoliatum* 17; *Thymus pulegioides* 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 25, 27, 28, 29, 30, 31, 32, 34, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 51, 53, 54; *Tilia cordata* 9; *Tithymalus cyparissias* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 26, 28, 31, 32, 34, 35, 36, 38, 39, 42, 43, 45, 46, 47, 48, 50, 51, 53, 54; *T. esula* 2, 3, 4, 6, 7, 8, 10, 14, 15, 16, 17, 20, 21, 22, 23, 25, 27, 29, 30, 36, 37, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *T. helioscopia* 30, 44, 49; *T. strictus* 1, 11, 20; **DD** *T. tommasinianus* 1, 2, 4, 5, 7, 8, 9, 10, 13, 14, 16, 17, 19, 20, 21, 40, 42, 43, 44, 45, 47; *T. villosus* 46; *Torilis japonica* 1, 2, 10, 11, 14, 15, 16, 28, 34, 44, 49, 52, 54; *Tragopogon orientalis* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 35, 36, 37, 39, 42, 43, 44, 45, 46, 47, 48, 50, 54; §, **VU** *Trautsteinera globosa* 40; *Trifolium arvense* 47, 50, 51, 52, 53, 54; *T. aureum* 1, 8, 20, 22, 29, 30, 36, 37, 38, 39, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53; *T. campestre* 7, 24, 32, 50, 54; *T. dubium* 7, 48, 54; *T. flexuosum* 1, 2, 5, 7, 8, 9, 10, 11, 12, 14, 15, 18, 20, 21, 23, 27, 28, 29, 30, 31, 32, 34, 36, 37, 39, 42, 43, 44, 47, 48, 50, 53, 54; *T. hybridum* 9, 10, 26, 31, 33, 47, 48; *T. montanum* 1, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 20, 21, 22, 24, 25, 28, 36, 37, 39, 42, 44, 45, 46, 47, 48, 49, 51; *T. ochroleucon* 1, 7, 13, 20, 39, 43, 47, 48, 51; *T. pratense* 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54; *T. repens* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 34, 36, 37, 38, 39, 42, 43, 44, 45, 47, 49, 50, 51, 52, 53, 54; *Tripleurospermum perforatum* 2, 3, 11, 26, 28, 32, 47, 49, 51, 52, 53, 54; *Trisetum flavescens* 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53; §, **VU** *Trollius altissimus* 10, 26, 34, 45; *Trommsdorffia maculata* 6, 10, 36, 37, 38, 45; *Tussilago farfara* 7, 8, 9, 10, 11, 12, 15, 16, 18, 20, 26, 27, 29, 33, 34, 40, 42, 44, 45, 46, 47, 52; *Typha latifolia* 9, 20, 32, 51.

Urtica dioica 1, 2, 6, 7, 8, 9, 10, 11, 15, 17, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 39, 42, 43, 44, 45, 47, 48, 49, 50, 52, 53.

Vaccinium myrtillus 8, 22, 27; *Valeriana dioica* 16, 46; *V. officinalis* 1, 2, 4, 5, 7, 8, 9, 11, 16, 18, 20, 21, 24, 26, 28, 29, 30, 31, 32, 33, 34, 42, 45; **VU** *V. simplicifolia* 20, 26, 33, 40, 41; *V. stolonifera* subsp. *angustifolia* 42, 45; *Valerianella* sp. 21; *Verbascum chaixii* subsp. *austriacum* 3, 8, 15, 16, 20, 21, 22, 29, 30, 35, 39, 43, 44, 47, 50, 53; *V. densiflorum* 15; *V. nigrum* 10, 32, 43; *V. thapsus* 7, 16, 28, 29, 44, 51, 53; *Verbena officinalis* 44; *Veronica arvensis* 11, 19, 20, 25, 39, 42, 44, 49, 50; *V. beccabunga* 2, 7, 8, 9, 18, 21, 26, 27, 28, 47, 48, 51; *V. chamaedrys* 2, 4, 5, 7, 8, 9, 10, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 36, 37, 38, 39, 42, 43, 44, 47, 48, 49, 50, 51, 52, 53; *V. officinalis* 1, 7, 8, 9, 12, 17, 18, 21, 22, 24, 27, 31, 36, 38, 39, 40, 41, 42, 45, 48, 49, 50, 51, 52, 53, 54; *V. persica* 11, 44, 45, 47; **LR: nt** *V. scutellata* 31; *V. serpyllifolia* 33, 34, 54; *V. teucrium* 1, 3, 8, 10, 12, 14, 16, 17, 19, 20, 21, 22, 23, 26, 37, 39, 44, 45, 47, 48; *Viburnum opulus* 46; *Vicia angustifolia* 1, 39, 47, 48, 49; *V. cracca* 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 36, 37, 38, 39, 40, 42, 43, 44, 45, 47, 48, 49, 50, 52, 53, 54; *V. hirsuta* 21, 44, 48; *V. sativa* 54; *V. sepium* 8, 9, 17, 19, 20, 21, 22, 23, 24, 26, 28, 29, 30, 31, 33, 34, 36, 37, 39, 42, 43, 45, 47, 50, 51, 52; *V. tetrasperma* 1, 15, 47, 48, 49, 50, 52, 54; *V. villosa* 1; *Vinca minor* 27, 29; *Vincetoxicum hirundinaria* 1; *Viola arvensis* 1, 8, 11, 17, 19, 20, 21, 23, 24, 30, 32, 35, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50, 51, 53; *V. canina* 6, 7, 8, 9, 27, 30, 31, 39, 43, 45, 47, 48, 49, 51, 53; *V. hirta* 1, 3, 6, 7, 8, 9, 10, 12, 13, 14, 16, 19, 20, 21, 22, 39, 43, 44, 45, 47, 51, 53, 54; *V. reichenbachiana* 9; *V. riviniana* 50; *Virga pilosa* 34.

Xanthoxalis stricta 45.

V literatúre sa okrem týchto taxónov zo širšieho okolia Valaskej Belej uvádzajú:

Potentilla tabernaemontani – Čavojs [ut *P. neumanniana*, Scheffer 1940 SLO in Goliašová (1992: 215)], *Crataegus rhipidophylla* – Valaská Belá [ut *C. curvisepala*, Jurko 1964 in Baranec & Bertová (1992: 479)], *Chamaecytisus ratisbonensis* – Valaská Belá NW [Soják 1964 PR in Holub & Bertová (1988: 43)], *Epilobium obscurum* – Nevidzany [Scheffer 1924 SLO in Holub & Kmeťová (1988: 467)], *Epilobium palustre* – Nevidzany [Scheffer 1924 SLO in Holub & Kmeťová (1988: 471)], *Euphrasia tatarica* – Temeš, Temešianska dolina [Futák 1941 SLO in Králik (1997: 336)], *Cardamine pratensis* – Valaská Belá, potok Jasenina pri sútoku s potokom Šindeliarska [Šťastná et Hadinec 1978 in Marhold & Kochjarová (2002: 336)], Valaská Belá, pri potoku Belanka [Scheffer 1940 SLO in Marhold & Kochjarová (2002: 336)] a *Cardamine matthioli* – Valaská Belá E, pri križovatke Zliechov – Čavojs [Šťastná et Hadinec 1978 in Marhold & Kochjarová (2002: 345)]. Jurko (1967) okrem viacerých z horeuvedených druhov zaznamenal v nelesných spoločenstvách *Erodium cicutarium* na lokalite v alúviu Belanky povýše Valaskej Belej.

Z celkového počtu 550 taxónov zistených počas nášho terénneho prieskumu patrí 18 k chráneným druhom a 36 k vzácnym a ohrozeným druhom. Jednotlivé kategórie ohrozenosti sú zastúpené nasledovne: LR: nt – 12 taxónov, VU – 18 taxónov, EN – 5 taxónov, DD – 1 taxón.

Literatúra

- Baranec T. & Bertová L., 1992: *Crataegus* L. – In: Bertová L. [ed.], Flóra Slovenska IV/3. Veda, Bratislava, p. 465 – 491.
- Feráková V., Maglocký Š. & Marhold K., 2001: Červený zoznam papraďorastov a semenných rastlín Slovenska. – Ochr. Prír. (Banská Bystrica), 20, Suppl.: 48 – 81.
- Futák J., 1984: Fytogeografické členenie Slovenska. – In: Bertová L. [ed.], Flóra Slovenska IV/1. Veda, Bratislava, p. 418 – 420.
- Goliašová K., 1992: *Potentilla* L. – In: Bertová L. [ed.], Flóra Slovenska IV/3. Veda, Bratislava, p. 143 – 241.
- Holub J. & Bertová L., 1988: *Chamaecytisus* Link. – In: Bertová L. [ed.], Flóra Slovenska IV/4. Veda, Bratislava, p. 32 – 59.
- Holub J. & Kmeťová E., 1988: *Epilobium* L. – In: Bertová L. [ed.], Flóra Slovenska IV/4. Veda, Bratislava, p. 441 – 489.
- Jurko A., 1967: Záverečná správa k mapovému listu M-34-109-B (Valaská Belá). – Msc., depon. in Odd. geobotaniky BÚ SAV Bratislava.
- Kliment J., 1999: Komentovaný prehľad vyšších rastlín flóry Slovenska, uvádzaných v literatúre ako endemické taxóny. – Bull. Slov. Bot. Spoločn., Bratislava, 21, Suppl. 4., 446 p.
- Králik E., 1997: *Euphrasia* L. – In: Goliašová K. [ed.], Flóra Slovenska V/2. Veda, Bratislava, p. 329 – 374.
- Maheľ M., 1982: Geologická mapa Strážovských vrchov. – Geologický ústav Dionýza Štúra, Bratislava.
- Marhold K. & Hindák F. [eds], 1998: Zoznam nižších a vyšších rastlín Slovenska. – Veda, Bratislava, 688 p.
- Marhold K. & Kochjarová J., 2002: *Cardamine* L. – In: Goliašová K. & Šípošová H. [eds], Flóra Slovenska V/4. Veda, Bratislava, p. 316 – 382.

- Mazúr E. & Lukniš M., 1978: Regionálne geomorfologické členenie SSR. – Geogr. Čas., 30/2: 101 – 125.
- Michalko J., Berta J. & Magic D., 1986: Geobotanická mapa ČSSR. Slovenská socialistická republika.
– Veda, Bratislava, 168 p.
- Vyhláška č. 24/2003 Ministerstva životného prostredia Slovenskej republiky, ktorou sa vykonáva
Zákon č. 543/2002 Z. z. o ochrane prírody a krajiny.

Obr. 1 Mapa sledovaného územia s vyznačenou polohou jednotlivých lokalít.
Fig. 1 Map of individual localities within the studied area.

