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Data to the flora and vegetation of the Gerecse Mountains I.

By

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Abstract: On the basis of literature, author gives a brief survey of the ordinary geographical conditions then takes the plant communities of the examined territory referring to 40 coenological samples. Stress is laid on the floristically significant species and the entire flora list is appended.

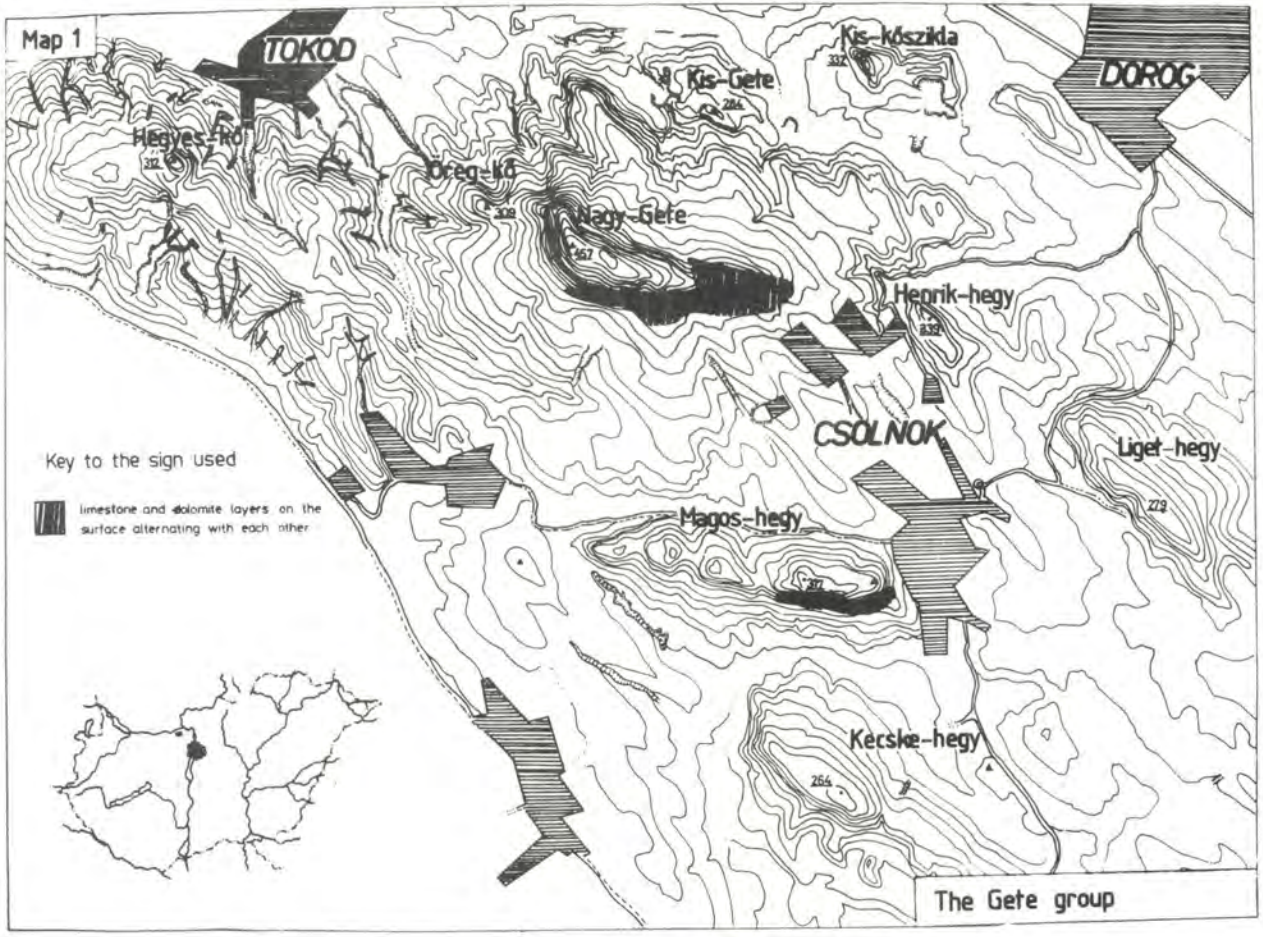
Introduction

The Gete group of hills is a block area of a relatively small extention on the eastern margin of the Gerecse Mts. (Map. 1). Its natural border is the Eastern Gerecse on the west, terrace of river Danube on the north, hills of Zsámbék-Bajna villages on the south and its eastern border is the Dorogi-árok with the Pilis Mts. behind. Formerly the Gerecse itself was treated not as a separate mountain but sometimes as part of the Pilis and sometimes of the Vértes Mts. (Kerner, Hunfalvy, Hantken cf., Rédl 1926) so the same situation with the Gete group today is understandable. In his paper on the Pilis and Vértes Mts., Á. Boros spoke about this uncertainity and he treated the floristical data of Gete together with the Pilis (Boros 1953 a). Further, also floristical source are the two very good papers of Feichtinger (1864, 1899); more detailed description of this area can not be found up to the present. In the fifties the coenological examinations also had been started. Data on the Gete were published by M. Járai-Komlódi (1958) and M. Járai-Komlódi-Fekete (1962). The first one gives only a brief account of the vegetation of this small territory while the latter deals only with a single community.

The relative independence of the Gete hills and the fact that there were few vegetation examinations and there were no mapping in this area so far, understandably require closer investigations. It was all the more necessary to do these works because botanically it is a valuable region, well worth protecting; it is badly endangered by the accumulation of secondary products (spoils-banks, slug-dumps) of coal mining for 100 years and the joining industries. Effects of growing (plant cultivation, grazing) and wrong forestry activities (formerly the acacia, nowdays the black pine plantations) also take part in transforming the face of this area.

Description of the geomorphological and geological characters

The Gete - which geographically belongs to the Gerecse Mts. - is a hilly country with vivid relief. The Gerecse itself is a block mountain unaffected by folding, considerably fragmented by tectonic motions (Cholnoky 1937, Láng 1955, Bulla 1926). Besides the three north-south and the


Map 1
TOKOD
DOROG
CSOLNOK
Kis-kőszikla
Kis-Gete
Hegyes-fő
Öreg-kő
Nagy-Gete
Henrik-hegy
Liget-hegy
Magos-hegy
Kecske-hegy
Key to the sign used
limestone and dolomite layers on the surface alternating with each other
The Gete group

one west-east directed block trent. Gete is formed by uplifted blocks (Korpás 1933); this is the very subject of our examinations.

The geological structure, determining the development of the vegetation, is not unvaried in the least. Its oldest formations are the upper Trias dolomite and Dachstein limestone on dolomite of the same age. Dolomite has varying chemical purity in the Gerecse Mts.; $CaCO_3$ is predominant especially in the offset (Korpás l. c.). These two bed-rocks strike to the surface at the southern sider of Magos-hegy and Nagy-Gete mixed with one another (Oravecz 1961), (Map 1). This phenomenon makes its effect felt in the rock-vegetation formation. But the main part of Dachstein limestone which appears as huge shoulders e. g. on the uplifted blocks of Hegyes-kő and Kis-kő-szikla but they can well be seen on Öreg-kő as well.

Dachstein limestone becomes karst easily but here this process takes place only in deeper levels (cave creation). Signs of karrification can be observed on the surface (e. g. Hegyes-kő). As a consequence, there are very few superficial streams, the existing ones are fed by leaking waters drained off by limestone layers, an example is found in a north-south directed alluvial erosive graben of the western part of the area. Younger geological formations are found on the surface and in the dephts as well.

The multiply faulted Eocene and Oligocene brown coal beds lay on subsided crust fragments surrounding the blocks on all sides (Korpás l.c.). Hollows between uplifted blocks are filled with Pleistocene loess - in thick layers in some places - which plays an important part this land (Korpás 1.c.). The sand also contributed to lend variety to this area; it was spread out by the prevailing NW-SE wind on the northern margin of the Gerecse Mts. (Korpás l. c.).

Climatologic conditions

Based on the data of the Central Meteorological Office (henceforth CMO) as well as data that can be read from maps, the average annual temperature is about 9-10 °C; average of the growth season (April-September) is 16-17 °C; the average annual change of temperature is between 21, 5-22 °C (Bacsó 1948). Average annual rainfall on the area is 550-600 mm; in the growth season 300-350 mm (Hajósy 1952). Data of the meteorological station of Dorog: 576 mm and 322 mm (CMO). It appears from Walter's climate diagrams based on the data of the surrounding meteorological stations (Esztergom, Páty and Dorog) that the climate of the area surrounded by the points of flatlands is semiarid-semihumid, which makes growing of woody steppe vegetation possible (Borhidi 1961). As a consequence - considering the height conditions - the Gete group lay in the zone of Turkey oak (Quercus cerris) and - just as the whole Gerecse Mts. - it is of fairly dry character. This is one of the reasons of the relative poorness of the flora here, comparing it with the Vértes, Pilis and the Visegrádi Mts. (Boros 1953).

An other important conclustion also can be drawn according to the dispersion of the annual rainfall: the rainfall maximum of May, which is characteristic of the south-west wing (Praeillyrico—Matricum, Zólyomi 1942) of the Hungarian Central Mountains, appears here as well (see data of CMO) though indistinctly, coming nearer and nearer to the summer (June-July) rainfall maximum of the temperate zone (Zólyomi 1.c.). This maximum of late spring can be considered as the irradiation of the Mediterranean climate (Zólyomi 1.c.); it can be seen also in the proportion of flora elements: as in the Vértes so in the Gerecse Mts., Mediterranean flora elements are present at a relatively high percentage (8%) while in the Visegrádi Mts. - though the difference is not significant - they can be found at 7% (Boros 1953, Száraz 1976).

Soils

a) Stony, rocky skeletal soils are to be found on steppe slopes and rock shoulders with pioneer plant communities and open rock-vegetation.
b) Rendzina soils of different depths - formed by disintegration at an advanced stage - are the soils of extreme watereconomy of closed rock-vegetation, of slope steppe, of karst scrub-forests and calciphilous oak forests.

c) Parallel with the formation of closer broad-leaved forest brown forest soils are established.
d) Chernozem soils; originally soils of loess-grasslands, nowdays under cultivation.
Rendzina and brown forest soils are dominant on our area (Stefanovits 1963).

Material and method

Author took 40 coenological samples in different plant communities from spring to the end of the growing season in 1977, using 4 m^2 samples of open rock-vegetation (Festucion rupicolae), 16 m^2 of grassland slope steppe and loess layers (Festucion rupicolae), and 400 m^2 of forestry plant communities. Presence of species is given by AD[x] values based on Braun-Blanquet - Soó method (Soó-Zólyomi 1951, Soó 1965). Keeping the area's primary coenological uncovering to the fore, author was anxious to take samples in slightly degraded - seeming to be typical - stands of vegetation. Identification of plant communities was supported firstly by the summarized lists of Zólyomi (1958).

Results

Plant communities of the Gete group of hills (Map. 2)

According to geographical subdivision (Soó 1960), the Gete - as the eastern offset of the Gerecse Mts. - belongs to the Pilisense district of the Bakonyicum floristic region of the Pannonian territory being contiguous with the Arrabonicum district of the Eupannonicum floristic region bordered with sand bed-rock on the north and east.

Before taking the plant communities one after the other - since this conclusion is true nearly in every case - it is to be mentioned that those stands are very often not typical but degraded or occupy an intermediate position between two communities. This is caused - besides the previously mentioned effects of growing and forestry activities - by the small extent of stands, their frequent alternation with each other so that the angle of slope, the exposure, etc. at the same time soil- as well as mezo- and microclimatic conditions change from one extreme to the other within short distances.

Querco petraeae - Carpinetum pannonicum (Zólyomi 1958, Soó 1964)
(On the basis of 4 samples. The data of the samples see later)

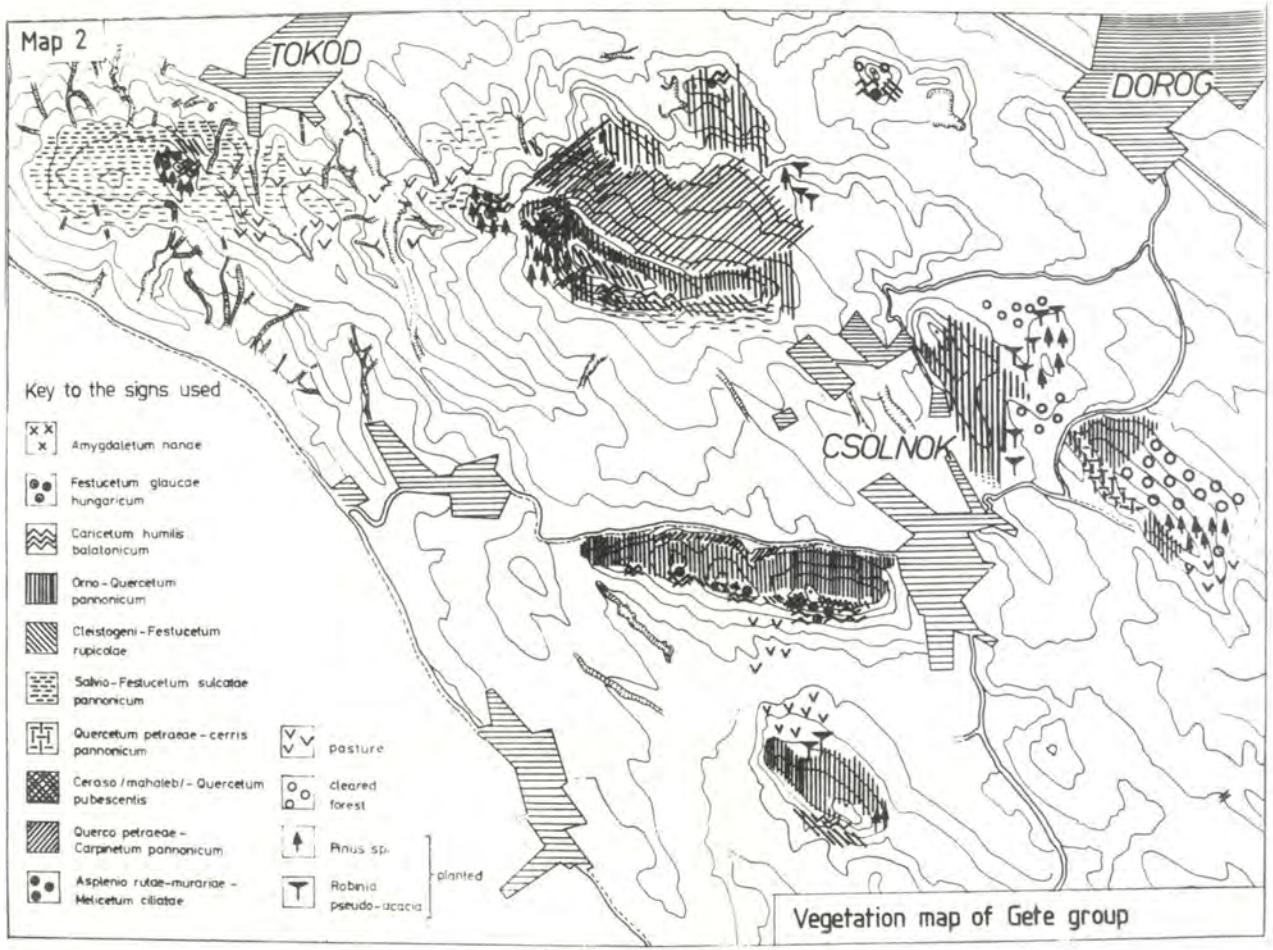
The most extensive forests are to be found on the north-eastern part of the Nagy-Gete. The tree layer of the closing plant community of hornbeam-oak forest (Q.-Cp.pann.) - positioned solely extrazonally in the examined region - is represented by Quercus petraea (1 - 4) and Carpinus betulus (1 - 4). Fraxinus ornus (1 - 3) is present in every stand; this is the most frequent (in some places dominant over the others) species in the shrub layer of this community. Considering the herb layer (failing samples taken, based on the flora list) it can be stated that both the corydaletosum (Zólyomi 1958) and the melicetosum (Zólyomi l.c.) subassociation[xx] are surely present.

The dominance of Corydalis cava and the mass of other geophytons illustrate the spring aspect of corydaletosum while Melica uniflora (+-1 - 4-5) is dominant in the other, also extended subassociation. Caricetosum pilosae (Zólyomi l.c.) subassociation is rarely present here.

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[x] This mark can be found in brackets after the names of species.

[xx] Subassociations of an association differ qualitative from each other; distinguishing species of the subassociation are the separating or differential species (Soó 1965).


Map 2
TOKOD
DOROG
CSOLNOK
Key to the signs used
Amygdaletum nanae
Festucetum glaucae hungaricum
Caricetum humilis balatonicum
Orno-Quercetum pannonicum
Cleistogeni-Festucetum rupicolae
Salvio-Festucetum sulcatae pannonicum
Quercetum petraeae-cerris pannonicum
Ceraso /mahaleb/-Quercetum pubescentis
Querco petraeae-Carpinetum pannonicum
Asplenio rutae-muriae-Melicetum ciliatae
pasture
cleared forest
Pinus sp.
Robinia pseudo-acacia
planted
Vegetation map of Gete group

It must be underlined that Quercus cerris is included in every sample taken in hornbeam-oak forests (Q.-Cp.pann.) - oven if with low AD value (+). This phenomenon correspond with the conclusion of Száraz (1976) that the frequent occurence of Quercus cerris is very striking in the hornbeam--oak forests (Q.-Cp.pann.) in the Gerecse Mts. In his examinations of association analysis he pointed out that the sharp isolation of the stands of the Gerecse Mts. from the same plant community of the Vértes and Visegrádi Mts. is caused just by Quercus cerris, as locally characteristic of the Gerecse Mts., differential species is the examination. He cannot offer sure resons for this phenomenon since plantation of Quercus cerris is very frequent (i.e. not native) but its energetic renewal after clear-felling is also possible.

The most typical species of the stand - besides the mentioned ones - are Stellaria holostea (+-1 - 1), Mercurialis perennis (+ - 1), Hedera helix (+ - 1), Poa nemoralis (1 - 4-5) - forest of dry character (Melica uniflora, Majer 1968). Carex pilosa (+ - 1) - semi-dry character (Majer 1968), Asperula odorata (+ - 1), Heracleum sphondylium (+) and Cerasus avium (+). Untroubled, typical stands can be found only in few places; plant communities are composed mainly of degraded coppices and oak-ash forests.

The single beech stand is to be found in a narrow valley of Nagy-Gete. Its underwood is scattered, dominant species are Carex pilosa and Poa nemoralis. Since there were no samples taken here it cannot be decided whether it is a beech consociation of hornbeam-oak forest (Q.-Cp. pann.) or an extrazonal beech forest (Melitti-Fagetum).

In addition this plant community lives on the northern margin - and the vallies stretching into it - of Magos-hegy as narrow belts. Its degraded condition is evident as Carpinus betulus dominants and it is mixed with old acacia groves in some places. It is also characteristic of its underwood that the still existing Carpinion, Fagetalia, etc. elements (Hedera helix, Heracleum sphondylium, Stellaria holostea, Mercurialis perennis, Carex pilosa, Melica uniflora, Mycelis muralis) are seriously driven back by nitrophyl weed communities (Sambucus nigra, Utrica dioica, Chaerophyllum temulum, etc.). Among all, the most degraded stand can be seen in the eastern exposition on the steep slope of Henrik-hegy .

Quercetum petraeae-cerris pannonicum (Soó 1964)
(=Potentillo albae - Quercetum petraeae-cerris pannonicum - Zólyomi 1958)
(On the basis of 3 samples)

Old, degraded, high matured Turkey oak forest (Q.p.-c.pann.) (Quercus cerris - 5, Quercus petraea - +) is to be found on deeper soils of the north-western part of Liget-hegy. Ligustrum vulgare (1), Acer campestre (+ - 1), Sorbus torminalis (+), Crataegus monogyna (+), C. oxyacantha (+), Cornus mas (+), Euonymus verrucosus (+) and Fraxinus ornus (+) represent the relatively luxuriant shrub layer of this community but it was rather disturbed when ranging this field because of the preceding select-cutting. In spite of this - regarding the presence of revealing species (Festuca heterophylla - + - 1, Polygonatum latifolium - +, P. odoratum - +, Pulmonaria mollissima - +, Primula veris - +, Lathyrus niger - +, etc.), definitely a degraded stand of festucetosum heterophyllae (Zólyomi 1958) subassociation is to be found here.

Orno - Quercetum pannonicum (Zólyomi 1958, Soó 1964)
(On the basis of 5 samples)

The Turkey oak - villous oak forest (Orno-Q.pann.) community covers nearly the biggest area. Its beautiful stands are to be seen in Nagy-Gete and Magos-hegy on poor soils, in southern exposition on almost flat plateaus. Three layer of this community is represented by Quercus pubescens (2 - 3), Qu. cerris (+ - 2) and Fraxinus ornus (+ - 3), its rich shrub stratum is composed mainly of Fraxinus ornus (+ - 1), Ligustrum vulgare (+), Cornus mas (+), Sorbus torminalis (+), Berberis vulgaris (+). Extreme habitat conditions of Nagy-Gete promote the oryzopsetosum (Zólyomi 1958) subassociation coming into being. In conformity with these conditions, stands tending towards karst schrub-forest (Cer.-Q.) communities are the most characteristic of this field. Frequently occurring species in its herb layer

are the subassociation distinguishing Teucrium chamaedrys (+ - +-1) and Cynanchum vincetoxium (+) as well as Lithospermum purpureo-coeruleum (+-1 - 1), Chrysanthemum corymbosum (+), Lathyrus niger (+), Sedum maximum (+), etc.

Species of the herb layer of low gradients next to the plateaus - Melica uniflora, Asperula odorata, Stellaria holostea, Mercurialis perennis - refer to the melicetosum uniflorae (Zólyomi 1958) subassociation, they are the distinguishing species of it. On the flat hilltop - once certainly covered with Turkey oak (Q.p.-c.pann.) or Turkey oak-villose oak (Orno-Q.pann.) forest - today cleared shrubbery, some rejected oak and grassland steppe are to be found. When leafing in spring, the isolation of the high matured Turkey oak (Q.p.-c.pann.) stand from the Turkey oak-villose oak (Orno-Q.pann.) forest can be seen from a long distance on the western side of Liget-hegy. In the tree stratum of the low, thinly planted wood the villose oak (Qu. pubescens) is dominant over the Turkey oak (Qu. cerris) and sessile oak (Qu. petraea). Sorbus torminalis - growing often to tree - is frequents in its shrub stratum. Revealing species of its herb layer: Oryzopsis virescens (+ - 1), Teucrium chamaedrys (+ - 1), Muscari racemosum (+), Dictamnus albus (+), Chrysanthemum corymbosum (+), Pulmonaria mollissima (+), Silene mutans (+), Peucedanum cervaria (+), Festuca heterophylla (+ -1), etc.

Degraded forests of Kecske-hegy generally occupy intermediate positions between Turkey oak-villose oak (Orno-Q.pann.) and Turkey oak-oak (Q.p.-c.pann.) forests. Characteristic species under the luxuriant shrub layer (Acer campestre, Crataegus monogyna, Ligustrum vulgare) are Primula veris, Oryzopsis virescens, Galium glaucum, Lithospermum purpureo-coeruleum, etc.

Ceraso (mahaleb) - Quercetum pubescentis (Soó 1964)
(On the basis of 3 samples)

Tree layer of the karst scrub-forest (Cer.-Q.) - with mosaiclike rock-vegetation - in the south-west exposed, abrupt, rocky side of Nagy-Gete is represented by Quercus pubescens (2 - 3), Fraxinus ornus (2 - 3) and Cerasus mahaleb (+ - 1). In its not much lower shrub layer Crataegus monogyna (+-1) and Pyrus achras (+) are the most frequent species besides Cornus mas (+-1) and Viburnum lantana (+-1). Typical species of its underwood: Cerasus fruticosa (+), Teucrium chamaedrys (+ - 1), Cynanchum vincetoxicum (+), Festuca sulcata (+ - 1), Inula ensifolia (+ - 1) and Iris variegata (+).

On the southern and western slopes of the blocks of Magos-hegy there are stands similar - but more stunded - to Nagy-Gete as well; species-content of their herb layer are a little bit different (see below). These two latter plant communities are contiguous with one another in many places so their borderland often can be met. Since they cannot be made use of from the view point of forestry, they are qualified as protected forests (mainly the karst shrub forests - Cer.Q. - are undisturbed).

Amygdaletum nanae (Soó 1964)
(On the basis of 3 samples)

We have found the characteristic species of this community on the open margin of the acidophilous oak forest on the southern side of the second block of Magos-hegy (Map. 2). Among the plants of the dwarf almond (Amygdalus nana - + - +-1) plantation stretching up across the foot of the mountain - as it is described by Zólyomi (1958) - the groups of dry oak forests (Quercion pubescenti-petraeae) are composed of Teucrium chamaedrys (+ - 1), Asparagus officinalis (+), Geranium sanguineum (+), Sedum maximum (+); representatives of dry herb layers (Festucion rupicolae) are Festuca sulcata (+ - 1), Vinca herbacea (+), Stachys recta (+), Aster linosyris (+ - +-1), Adonis vernalis (+), Inula ensifolia (+), I. ochulus-christi (+), and Serratula radiata (+).

Seeing that at this altitude of the mountain rock-vegetation and slope steppes come into being on the fields uncovered with forests, their characteristic species - Andropogon ischaemum (+-1 - 3), Carex humilis (+), Stipa capillata (+), Dorycnium germanicum (+), Thymus glabrescens (+), Iris pumila (+), etc. - also can be found here. Though they are present in other parts of Magos-hegy,

two of the characteristic species - Phlomis tuberosa and Iris variegata - do not occur here.

After dealing with forest communities we will now turn our attention to the herb communities of the examined area.

Asplenio rutae-murariae - Melicetum ciliatae (Soó-Zólyomi 1951, Soó 1962)

Besides the name-giving species of this community, Sedum and Sempervirum species are forming the initial herb layer of the limestone crevices. Naturally both successional borderland of the community are instanced as well; the pioneer stage composed of moss- and lichen species, and the vegetation is showing a trend towards open and closed rock-vegetation. (There were no samples taken in this community; they had been not examined in detail.).

Before introducing the rock-vegetation replacing the initial plants it is important to note that the separation of the plants of limestone and dolomite was confirmed by many publications (Seregélyes 1972, Török (1977) after Zólyomi's (1942) paper. At the same time, they underline that the separation is not unequivocal at all - and not only in the case of rock-vegetations. Of course, we do not want to categorize at any means still further examinations seem to be necessary - mainly on the fields of mixed bed-rock - so that the vegetation should be characterized and determined more exactly. Flora of the southern side of Nagy-Gete and Magos-hegy are also illustrative of the previous explanations; first of all regarding the two bed-rocks as well as the coexistence and the mixture of the flora on them.

Caricetum humilis balatonicum (Soó 1964)
(On the basis of 10 samples)

Existence of rocky-grassland of slope steppe is sure but it is necessary to underline immediately that borderlands are also between the open dolomite rock-vegetation (Festucetum glaucae hungaricum, Zólyomi 1958) and this community. Frequently can be seen that Festuca glauca (name-giving species of the open dolomite rock-vegetation) - even if it is not herb forming - occurs with a high AD value (+ - 2) while the revealing species of rocky-grassland of slope steppe are present on the same place. Among the species of open dolomite rock-vegetation it was only the Paronychia cephalotes (on the first block of Magos-hegy) and the Euphorbia seguieriana ssp. minor (on Nagy-Gete) what we have found.

Besides the previously mentioned species further ones - first of all characteristic of the rock-vegetation communities - are living here, such as Minuartia setacea (+), Teucrium montanum (2 - 3-4), Astragalus vesicarius ssp. albidus (+ - 1), Onosma visianii (+), Sempervivum hirtum (+), Fumana procumbens (+ - 3), etc. Species of most frequent occurrence characterize both communities: Carex humilis (+ - 1), Scorzonera austriaca (+), Dorycnium germanicum (+ - 1), Chrysopogon gryllus (+ - 1-2), Globularia aphyllantes (+ - +-1)[x], Vinca herbacea (+ - +-1), Helianthemum ovatum (+ - 1), Seseli varium (+), etc.

Cleistogeni - Festucetum rupicolae (Soó 1964)
(On the basis of 5 samples)

Besides the southern slopes of Magos-hegy and Nagy-Gete this community can be found on the limestone shoulders of Öreg-kő as well as on Kecske-hegy. On the examined region Festuca sulcata

x According to the paper of Török (1977) this species does not grow on limestone in the Gerecse just like Fumana procumbens but this latter one grows on - petrographically pure - limestone in Kis-Kőszikla.

(+ - 3) and Andropogon ischaemum (1 - 5) are the herb layer forming species, in a smaller extent Stipa capillata (1) and the other character species of this community: Cleistogenes serotina (+). According to Zólyomi (1958) the primarily characteristic species is Sternbergia colchiciflora but I have found this plant mainly in open herb spots.

This community of Magos-hegy and Nagy-Gete is composed mainly of Adonis vernalis (+ - +-1), Thymus marschallianus (+), Iris pumila (+), Allium flavum (+ - 1), Potentilla arenaria (2 - 3-4), Seseli osseum (+), S. hippomarathrum (+), Serratula radiata (+), etc.

It must be mentioned that the mixture of these three plant communities changing with karst scrub-forest (Cer.Q.) gives a very special face to Magos-hegy; for this reason - and because it is the living place of the dwarf almond plantation (Amygd.) - it is worth protecting.

Salvio - Festucetum sulcatae pannonicum (Zólyomi 1958, Soó 1964)
(On the basis of 5 samples)

There are only broken stands of the original vegetation of loess stretching as far up as the foot of the block because of the previously mentioned reasons. The herb layer - composed mainly of the substituting Festuca pseudovina for Festuca rupicola (1 - 3) - reflect the effects of grazing. Nevertheless, the typical species of loess grasslands (Salv.-F.s.pann.) are present, namely Salvia nemorosa (+), Cytisus austriacus (+ - 1), Euphorbia pannonica (+), Taraxacum serotinum (+), Astragalus onobrychis (1 - 3), Artemisia campestris (+), Agropyron pectinatum (+), Viola ambigua (+), Festuca sulcata (+ - 1), Agropyron intermedium (+ - 1), Stipa capillata (1), etc. Among all, samples of this place refer to degraded stands in most part; some of them hardly reflect the original content of vegetation. The subendemical Globularia aphyllantes is present in the loess herb layer of Kis-kő as well. Finally let's mention the sand steppe surrounding Tokod where some of the typical species of Festucetum sulcatae danubiale (Zólyomi 1958) - Astragalus exscapus, Viola kitaibeliana and Helichrysum arenarium - had also been found.

Significant floristical data

Cotinus coggygria Scop. - Formerly this species was known to be found only on Kecske-hegy ; we have met it also on the plateau of Nagy-Gete where they grow in groups at the margin of deforestation. At present this habitat supposed to be the single locality since it will be destroyed at Kecske-hegy - or it has already been destroyed - by mining works.

Astragalus vesicarius L. ssp. albidus (W. et K.) Br-Bl. - This Pannonian subendemic (Soó 1966) subspecies has scattered localities in Hungary but it is not rare in the rock-vegetation of Magos-hegy and Nagy-Gete.

Sternbergia colchiciflora W. et K. - This valuable, fairly rare species of our flora was also to be found on the southern exposed dry rock-vegetation of Magos-hegy and Nagy-Gete as well as on Hegyes-kő. Besides Dunántuli Középhegység it occurs sparsely on other part of the country. Soó (1973) does not mention the Gerecse Mts. among the habitats of Dunántuli Középhegység.

Amygdalus nana L. - Two of its habitats had been found, both on the southern slopes of Magos-hegy.

Data of the samples
All of the samples were taken in Gete group in the Gerecse Mts.

Querco petraeae - Carpinetum pannonicum (Zólyomi 1958, Soó 1964)

1. Nagy-Gete
Height: 300-350 m; Exposition (=Exp.): N-E; Angle of slope (=Ang.): 3°; Cover and height of the canopy layer (=A): 80%, 13 m; shrub layer (=B): 10%, 1 m; herb layer (=C): 80%, 40 cm; Date: 21. 9. 1977.

2. Nagy-Gete
Height: 300-350 m; Exp.: E; Ang.: 5°; Cover and height A_1: 75%, 15 m; A_2: 5%, 10 m; B: 30%, 1.5 m; C: 95%, 20 cm; Date: 21. 9. 1977.
3. Nagy-Gete
Height: 300-350 m; Exp.: E; Ang.: 3°; Cover and height A: 85%, 16 m; B: 5%, 1.5 m; C: 100%, 20 cm; Date: 20. 8. 1977.
4. Nagy-Gete
Height: 300-350 m; Exp.: N-E; Ang.: 5°; Cover and height A: 80%, 14 m; B: 15%, 2 m; C: 80%, 20 cm; Date: 20. 8. 1977.

Quercetum petraeae-cerris pannonicum (Soó 1964)
1. Liget-hegy
Height: 240-260 m; Exp.: N-W; Ang.: 3°; Cover and height A: 90%, 18 m; B: 30%, 3 m; C: 10%, 60 cm; Date: 15. 9. 1977.
2. Liget-hegy
Height: 240-260 m; Exp.: W; Ang.: 10°; Cover and height A: 80%, 16 m; B: 25%, 4 m; C: 15%, 40 cm; Date: 15. 9. 1977.
3. Liget-hegy
Height: 240-260 m; Exp.: W; Ang.: 15°; Cover and height A: 85%, 17 m; B: 20%, 3 m; C: 20%, 35 cm; Date: 15. 9. 1977.

Orno - Quercetum pannonicum (Zólyomi 1958, Soó 1964)
1. Magos-hegy
Height: 310 m; Exp.: -, (plateau); Ang.: 0°; Cover and height A: 80%, 9 m; B: 40%, 3.5 m; C: 40%, 30 cm; Date: 22. 8. 1977.
2. Magos-hegy
Height: 250-300 m; Exp.: S; Ang.: 20°; Cover and height A: 85%, 8 m; B: 15%, 2 m; C: 25%, 30 cm; Date: 22. 8. 1977.
3. Magos-hegy
Height: 250 m; Exp.: N; Ang.: 10°; Cover and height A: 95%, 8 m; B: 30%, 2 m; C: 20%, 20 cm; Date: 22. 8. 1977.
4. Liget-hegy
Height: 230 m; Exp.: S-W; Ang.: 20°; Cover and height A: 80%, 8 m; B: 40%, 4 m; C: 20%, 30 cm; Date: 15. 8. 1977
5. Nagy-Gete
Height: 430 m; Exp.: S-W; Ang.: 35°; Cover and height A: 80%, 10 m; B: 25%, 4 m; C: 30%, 40 cm; Date: 25. 7. 1977.

Ceraso (mahaleb) - Quercetum pubescentis (Soó 1964)
1. Magos-hegy
Height: 230 m; Exp.: S; Ang.: 20°; Cover and height A: 50%, 4.5 m; B: 80%, 40 cm, Date: 25. 8. 1977.
2. Nagy-Gete
Height: 350-400 m; Exp.: W; Ang.: 35°; Cover and height A: 70%, 6 m; B: 40%, 3 m; C: 60%, 30 cm; Date: 10. 7. 1977.
3. Nagy-Gete
Height: 350-400 m; Exp.: S-W; Ang.: 30°; Cover and height A: 60%, 5 m; B: 30%, 2 m; C: 70%, 40 cm; Date: 10. 7. 1977.

Amygdaletum nanae (Soó 1964)
1. Magos-hegy
Height: 270-290 m; Exp.: S; Ang.: 20°; Cover and height A: 30%, 4 m; C: 95%, 30 cm; Date: 25. 8. 1977.
2. Magos-hegy
Height: 270-290 m; Exp.: S; Ang.: 15°; Cover and height A: 70%, 5 m; C: 50%, 40 cm; Date: 25. 8. 1977.
3. Magos-hegy
Height: 270-290 m; Exp.: S; Ang.: 20°; Cover and height A: 50%, 4 m; C: 80%, 30 cm; Date: 25. 8. 1977.

Caricetum humilis balatonicum (Soó 1964)

1. Magos-hegy
   Height: 290 m; Exp.: S; Ang.: 45°; Cover and height C: 60%, 15 cm; Date: 8. 6. 1977.
2. Öreg-kő
   Height: 300 m; Exp.: N-E; Ang.: 5°; Cover and height C: 30%, 25 cm; Date: 10. 6. 1977.
3. Nagy-Gete
   Height: 400 m; Exp.: S; Ang.: 40°; Cover and height C: 60%, 15 cm; Date: 10. 6. 1977.
4. Nagy-Gete
   Height: 410 m; Exp.: S; Ang.: 45°; Cover and height C: 50%, 20 cm; Date: 14. 8. 1977.
5. Nagy-Gete
   Height: 400 m; Exp.: S-W; Ang.: 15°; Cover and height C: 80%, 40 cm; Date: 14. 8. 1977.
6. Kis-kőszikla
   Height: 300 m; Exp.: W; Ang.: 15°; Cover and height C: 85%, 25 cm; Date: 15. 6. 1977.
7. Hegyes-kő
   Height: 290 m; Exp.: S-E; Ang.: 60°; Cover and height C: 35%, 25 cm; Date: 21. 7. 1977.
8. Hegyes-kő
   Height: 260 m; Exp.: S-W; Ang.: 60°; Cover and height C: 80%, 30 cm; Date: 21. 7. 1977.
9. Hegyes-kő
   Height: 270 m; Exp.: E; Ang.: 45°; Cover and height C: 50%, 35 cm; Date: 29. 7. 1977.
10. Hegyes-kő
   Height: 280 m; Exp.: N: Ang.: 50°; Cover and height C: 60%, 30 cm; Date: 29. 7. 1977.

Cleistogeni - Festucetum rupicolae (Soó 1964)

1. Magos-hegy
   Height: 310 m; Exp.: -, (plateau); Ang.: 0°; Cover and height C: 100%, 25 cm; Date:10.7.1977.
2. Magos-hegy
   Height: 250-280 m; Exp.: S; Ang.: 45°; Cover and height C: 100%, 25 cm; Date: 10.7.1977.
3. Kecske-hegy
   Height: 250 m; Exp.: S; Ang.: 35°; Cover and height C: 90%, 45 cm; Date: 20. 8. 1977.
4. Öreg-kő
   Height: 308 m; Exp.: -, (plateau); Ang.: 0°; Cover and height C: 100%, 15 cm; Date:3.7.1977.
5. Nagy-Gete
   Height: 450 m; Exp.: -, (plateau); Ang.: 0°; Cover and height C: 100%, 60 cm; Date: 3.7. 1977.

Salvio - Festucetum sulcatae pannonicum (Zólyomi 1958, Soó 1964)

1. Hegyes-kő
   Height: 240 m; Exp.: S-W; Ang.: 40°; Cover and height C: 100%, 50 cm; Date: 5.7.1977.
2. Hegyes-kő
   Height: 180 m; Exp.: N-E; Ang.: 10°; Cover and height C: 100%, 50 cm; Date: 5.7.1977.
3. Hegyes-kő
   Height: 160-180 m; Exp.: S-W; Ang.: 10°; Cover and height C: 100%, 30 cm; Date: 5.7.1977.
4. Hegyes-kő
   Height: 160-180 m; Exp.: N-E; Ang.: 5°; Cover and height C: 100%, 50 cm; Date: 5.7.1977.
5. Nagy-Gete
   Height: 360 m; Exp.: S; Ang.: 10°; Cover and height C: 100%, 40 cm; Date: 3.6.1977.

Data of the flora of Gerecse Mountains

Author wants these data to be a contribution to the flora mapping of Central-Europe. Subdividing the whole of Hungary for mapping was made by Borhidi (mscr.) and his coworkers after Niklfeld (1971).

Our region is included in No. 8277, 8278 and 8378 units of the quadrate grid. Dense graduations are due to "dividing of the quadrate grid into quarters" (Map 2) therefore our data derive from No. 8277/4, 8278/3 and 8378/1 units.

All of the data were gathered in 1977. Localities recited after the names of species: mark of "Gete" implies the Nagy-Gete and the koining Kis-Gete the Öreg-kő and the Kis-kőszikla as well.

Our data were compared with the paper of Feichtinger (1899). Feichtinger gives 1430 species and subspecies (a few of them are cultivated). He had examined a part of county Esztergom as well as the eastern part of county Komárom and the southern part of county Hont so his data are related with the vegetation of the whole of Gerecse and Visegrádi Mts. parts of Börzsöny and Pilis mountains, right and left banks of river Danube, southern margin of Pozsonyi-medence and islands of river Danube (cf. Feichtinger 1899). While wandering the territory we have found 547 species (as well as subspecies and varieties) on Gete group.

After comparing the two flora-list we have found that

1) only 36 species were recorded that cannot be found in the paper of Feichtinger; the difference is very small, especially if considering that many of these taxa were recently described and there are subspecies and varieties among them which were not yet separated that time. There are some notable species among the differential ones e. g. Cotinus coggygria and Eleagnus angustifolia which are mentioned as rare ornamental plants of parks and gardens by Feichtinger. Nowdays they occur in quite another way: unfortunately Eleagnus angustifolia can be met very often because of the forestry plantations. It is very interesting that Feichtinger did not find Astragalus exscapus - though extended sandy herbs were found on his territory - and according to his paper Pulmonaria mollissima - which often can be met in Gerecse Mts. and other places - doesn't occur there. 511 species - 93% of our list - is included in the paper of Feichtinger but he often gives marks of localities in general (e. g. "common", "in rock-vegetations"; after concrete localities he says "...and in other places", etc) so we do not know which one did he find in Gete group.

2) There are 81 species with mark of Dorog, Tokod and Csolnok which cannot be found in our list. These species partly are members of the plant-communities of sandy- and sodic herbs and swamps.

Since it was not the compiling of flora-list our most important task there are very few data of localities though it is also the fact that many of them were done away after the turn of the century, in the other hand, the place-names may also include parts outside the area of examination.

3) Those species which he said to be common and that ones which possibly can be found in the communities of Gete group - approximately 150 species of the list of Feichtinger - also were selected. (Species living on different rock-beds and along streams, and beeches of higher lands were, of course left out of consideration.) It follows that flora-list of Gete group may increase with about 150-200 species during the subsequent examinations so this area is investigated in average.

List of species

Pteridophyta

Asplenium ruta-muraria L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Asplenium trichomanes L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Athyrium filix-femina (L.) Roth; Gete; 8278/3.
Equisetum arvense L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Equisetum palustre L.; Gete; 8278/3.
Equisetum ramosissimum Desf.; Gete; 8278/3.

Anthophyta

Gymnospermae

Juniperus communis L.; Magos-hegy; 8378/1.
Pinus nigra Arnold; Hegyes-kő, Gete, Henrik-hegy; 8277/4, 8278/3.
Pinus silvestris L.; Henrik-hegy; 8278/3.

Angiospermae

Dicotyledones

Acer campestre L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Acer platanoides L.; Gete, Henrik-hegy; 8278/3.
Achillea collina Becker; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy, 8277/4, 8278/3, 8378/1.
Achillea pannonica Scheele; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.

Aconitum anthora L.; Magos-hegy; 8378/1.
Adonis vernalis L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Aegopodium podagraria L.; Gete; 8278/3.
Agrimonia eupatoria L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecskehegy, 8277/4, 8278/3, 8378/1.
Ailanthus altissima (Mill.) Swingle; Hegyes-kő, Gete; 8277/4, 8278/3.
Ajuga genevensis L.; Gete, Liget-hegy; 8278/3, 8378/1.
Ajuga reptans L.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Alliaria petiolata (M.B.) Cavara et Grande; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Alyssum alyssoides (L.) Nath.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Alyssum montanum L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Amaranthus retroflexus L.; Gete; 8278/3.
Ambrosia elatior L.; Hegyes-kő; 8277/4.
Amorpha fruticosa L.; Gete; 8278/3.
Amygdalus nana L.; Magos-hegy; 8378/1.
Anchusa officinalis L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Anemone ranunculoides L.; Magos-hegy; 8378/1.
Anemone silvestris L.; Magos-hegy; 8378/1.
Anthemis ruthenica M.B.; Magos-hegy; 8378/1.
Anthemis tinctoria L.; Gete, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Anthriscus cerefolium (L.) Hoffm.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Anthriscus silvestris (L.) Hoffm.; Kecske-hegy; 8378/1.
Anthyllis macrocephala Wenderoth; Hegyes-kő, Gete, Henrik-hegy; 8277/4, 8278/3.
Arabidopsis thaliana (L.) Heynh.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Arabis hirsuta (L.) Scop.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Arabis turrita L.; Gete, Magos-hegy; 8278/3, 8378/1.
Arctium lappa L.; Gete, Henrik-hegy, Kecske-hegy; 8278/3, 8378/1.
Arenaria serpyllifolia L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Artemisia absinthium L.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Artemisia alba Turra; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Artemisia campestris L.; Hegyes-kő; 8277/4.
Artemisia dracunculus L.; Gete; 8278/3.
Artemisia vulgaris L.; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Asperula cynanchica L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Aster amellus L.; Magos-hegy 8378/1.
Aster linosyris (L.) Bernh.; Hegyes-kő, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8378/1.
Astragalus austriacus Jacq.; Hegyes-kő; 8277/4.
Astragalus cicer L.; Gete; 8278/3.
Astragalus exscapus L.; Hegyes-kő; 8277/4.
Astragalus glycyphyllos L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Astragalus onobrychis L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Astragalus vesicarius L. ssp. albidus (W. et K.) Br-Bl.; Gete, Magos-hegy; 8278/3, 8378/1.
Ballota nigra L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Berberis vulgaris L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Berteroa incana (L.) Dc.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Betonica officinalis L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Bilderdykia convolvulus (L.) Dum.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Bupleurum pachnospermum Panč.; Gete; 8278/3.
Bupleurum praealtum Nath.; Gete; 8278/3.
Bupleurum rotundifolium L.; Gete; 8278/3.
Calamintha acinos (L.) Clairv.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Calamintha clinopodium Spenner; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Campanula bononiensis L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Campanula glomerata L.; Hegyes-kő, Magos-hegy, Kecske-hegy; 8277/4, 8378/1.

Campanula macrostachya Kit.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Campanula persicifolia L.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Campanula rapunculoides L.; Gete, Magos-hegy; 8278/3, 8378/1.
Campanula rotundifolia L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy; 8277/4, 8278/3, 8378/1.
Campanula sibirica L.; Magos-hegy; 8378/1.
Campanula trachelium L.; Gete, Magos-hegy; 8278/3, 8378/1.
Cannabis sativa L.; Gete; 8278/3.
Capsella bursa-pastoris (L.) Medic.; Hegyes-kő; 8277/4.
Cardaminopsis arenosa (L.) Hay.; Hegyes-kő, Gete; 8277/4, 8278/3.
Carduus acanthoides L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Carduus hamulosus Ehrh.; Kecske-hegy; 8378/1.
Carduus nutans L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Carlina vulgaris L. ssp. intermedia (Schur) Hay. et Markgr.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Carpinus betulus L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Centaurea cyanus L.; Hegyes-kő; 8277/4.
Centaurea jacea L.; Hegyes-kő; 8277/4.
Centaurea micranthos Gmel.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Centaurea pannonica (Heuff.) Simk.; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Centaurea rhenana Bor.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Centaurea sadleriana Janka; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Centaurea triumfetti All.ssp. axillaris (Willd.) Stefanoff et Georgieff; Gete, Magos-hegy; 8278/3, 8378/1.
Centaurium minus Mönch; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Cerastium brachypetalum Desp.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Cerastium glomeratum Thuill.; Kecske-hegy; 8378/1.
Cerasus avium (L.) Mönch.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Cerasus fruticosa (Pall.) Woronow; Hegyes-kő, Gete, Liget-hegy; 8277/4, 8278/3, 8378/1.
Cerasus mahaleb (L.) Mill.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Chaerophyllum temulum L.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Chelidonium majus L.; Hegyes-kő; 8277/4.
Chenopodium album L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Chondrilla juncea L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Chrysanthemum corymbosum L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Cichorium intybus L.; Hegyes-kő, Gete, Henrik-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Cirsium arvense (L.) Scop.; Magos-hegy, Kecske-hegy; 8378/1.
Cirsium canum (L.) All.; Magos-hegy; 8378/1.
Cirsium eriophorum (L.) Scop.; Gete, Henrik-hegy, Liget-hegy; 8278/3, 8378/1.
Cirsium vulgare (Savi) Ten.; Hegyes-kő, Gete; 8277/4, 8278/3.
Clematis recta L.; Gete; 8278/3.
Clematis vitalba L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Colutea arborescens L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Consolida regalis S.F. Greay; Hegyes-kő; 8277/4.
Convolvulus arvensis L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Cornus mas L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy; 8278/3, 8378/1.
Cornus sanguinea L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Coronilla varia L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Corydalis bulbosa (L.) Pers.; Gete, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Corylus avellana L.; Gete, Magos-hegy; 8278/3, 8378/1.
Cotinus coggygria Scop.; Gete; 8278/3.
Cotoneaster integerrima Medik.; Hegyes-kő; 8277/4.
Crataegus monogyna Jacq.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Crataegus oxyacantha L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Crepis rhoeadifolia M.B.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Crepis tectorum L.; Hegyes-kő; 8277/4.

Cruciata laevipes Opiz; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Cruciata pedemontana (Bell.) Ehrend.; Hegyes-kő; 8277/4.
Crupina vulgaris Pers.; Hegyes-kő, Magos-hegy, Kecske-hegy; 8277/4, 8378/1.
Cynanchum vincetoxicum (L.) Pers.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Cynoglossum officinale L.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Cytisus austriacus L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Cytisus nigricans L.; Gete, Magos-hegy; 8278/3, 8378/1.
Cytisus ratisbonensis Schaeffer; Kecske-hegy; 8378/1.
Datura stramonium L.; Hegyes-kő; 8277/4.
Daucus carota L.; Hegyes-kő, Gete, Henrik-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Dentaria bulbifera L.; Gete; 8278/3.
Descurainia sophia (L.) Webb.; Hegyes-kő, Gete; 8277/4, 8278/3.
Dianthus armeria L.; Kecske-hegy; 8378/1.
Dianthus pontederae Kern.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Dictamnus albus L.; Liget-hegy; 8378/1.
Digitalis grandiflora Mill.; Magos-hegy; 8378/1.
Diplotaxis muralis (L.) Dc.; Hegyes-kő, Gete; 8277/4, 8278/3.
Diplotaxis tenuifolia (Jusl.) Dc.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Dipsacus laciniatus L.; Liget-hegy; 8378/1.
Doronicum hungaricum (Sadl.) Erchb.; Kecske-hegy; 8378/1.
Dorycnium germanicum (Gremli) Rikli; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Echinops sphaerocephalus L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Echium vulgare L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Eleagnus angustifolia L.; Gete, Henrik-hegy; 8278/3.
Epilobium hirsutum L.; Hegyes-kő; 8277/4.
Epilobium lanceolatum Seb. et M.; Kecske-hegy; 8378/1.
Epilobium montanum L.; Gete; 8278/3.
Erigeron acris L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Erigeron canadensis L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Erophila verna (L.) Chev.; Hegyes-kő; 8277/4.
Eryngium campestre L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Erysimum cheiranthoides L.; Magos-hegy; 8378/1.
Erysimum odoratum (Ehrh.); Gete, Magos-hegy; 8278/3, 8378/1.
Euonymus europaeus L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Euonymus verrucosus Scop.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Eupatorium cannabinum L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Euphorbia amygdaloides L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Euphorbia cyparissias L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Euphorbia pannonica Host.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Euphorbia polychroma Kern.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Euphorbia seguieriana Necker ssp. seguieriana; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Euphorbia seguieriana Necker ssp. minor (Sadl.) Dom.; Gete; 8278/3.
Euphrasia stricta Wolff; Hegyes-kő; 8277/4.
Fagus silvatica L.; Gete; 8278/3.
Falcaria vulgaris Bern.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Ficaria verna Huds.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Filipendula vulgaris Mönch; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Fragaria vesca L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Fragaria viridis Duch.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Fraxinus excelsior L.; Gete; 8278/3.
Fraxinus ornus L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy; 8278/3, 8378/1.

Fumana procumbens (Dun.) Gren. et Godr.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Fumaria schleicheri Soy.-Will.; Magos-hegy, 8378/1.
Galeopsis pubescens Bess.; Gete; 8278/3.
Galium aparine L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Galium glaucum L.; Hegyes-kő, Gete, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Galium mollugo L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Galium odoratum (L.) Scop.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Galium schultesii Vest.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Galium verum L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Genista tinctoria L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Gentiana ciliata L.; Magos-hegy; 8378/1.
Geranium columbinum L.; Gete; 8278/3.
Geranium lucidum L.; Hegyes-kő; 8277/4.
Geranium robertianum L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Geranium sanguineum L.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Geum urbanum L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Glechoma hederaceum L.; Gete, Magos-hegy; 8278/3, 8378/1.
Globularia aphyllantes Cr.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Hedera helix L.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Helianthemum nummularium (L.) Mill. ssp. ovatum (Viv.) Sch. et Th.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Helichrysum arenarium (L.) Mönch.; Hegyes-kő, Gete; 8277/4, 8278/3.
Heracleum sphondylium L.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Hesperis tristis L.; Gete, Magos-hegy; 8278/3, 8378/1.
Hieracium bauhinii Schult.; Gete, Kecske-hegy; 8278/3, 8378/1.
Hieracium pilosella L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Hieracium racemosum W. et K.; Magos-hegy, Kecske-hegy; 8378/1.
Hieracium sabaudumL.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Hieracium silvaticum (L.) Gruſbr.; Liget-hegy; 8378/1.
Hieracium umbellatum L.; Hegyes-kő; 8277/4.
Holosteum umbellatum L.; Hegyes-kő; 8277/4.
Humulus lupulus L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Hyoscyamus niger L.; Hegyes-kő; 8277/4.
Hypericum hirsutum L.; Gete, Magos-hegy; 8278/3, 8378/1.
Hypericum montanum L.; Magos-hegy; 8378/1.
Hypericum perforatum L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Hypochoeris maculata L.; Kecske-hegy; 8378/1.
Hyssopus officinalis L.; Magos-hegy; 8378/1.
Inula britannica L.; Hegyes-kő, Gete ; 8277/4, 8278/3.
Inula conysa Dc.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Inula ensifolia L.; Gete, Magos-hegy, Liget-hegy; 8278/3, 8378/1.
Inula germanica L.; Hegyes-kő; 8277/4.
Inula hirta L.; Kecske-hegy; 8378/1.
Inula ochulus-christi L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Isopyrum thaciltroides L.; Gete; 8278/3.
Jurinea mollis (Torn.) Rchb.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Knautia arvensis (L.) Coult.; Hegyes-kő, Gete, Henrik-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Lactuca perennis L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Lactuca quercina L.; Gete, Magos-hegy; 8278/3, 8378/1.
Lactuca serriola Torn.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Lactuca viminea (L.) J. et C. Presl; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Lamium album L.; Gete; 8278/3.
Lamium amplexicaule L.; Magos-hegy; 8378/1.
Lamium galeobdolon (L.) Nath.; Gete; 8278/3.
Lamium maculatum L.; Gete; 8278/3.
Lappula heteracantha (Ledeb.) Borb.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Lapsana communis L.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.

Laser trilobum (L.) Borkh.; Gete; 8278/3.
Lathyrus latifolius L.; Gete, Liget-hegy; 8278/3, 8378/1.
Lathyrus niger (L.) Bernh.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Lathyrus pannonicus (Jacq.) Garcke; Magos-hegy; 8378/1.
Lathyrus pratensis L.; Kecske-hegy; 8378/1.
Lathyrus tuberosus L.; Kecske-hegy; 8378/1.
Lavathera thuringiaca L.; Hegyes-kő; 8277/4.
Leontodon hispidus L. ssp. hispidus; Hegyes-kő, Gete; 8277/4, 8278/3.
Leontodon hispidus L. ssp. pseudoincanus (Hay.) Soó; Gete; 8278/3.
Leonurus cardiaca L.; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Lepidium campestre (L.) R. Br.; Magos-hegy; 8378/1.
Ligustrum vulgare L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Linaria genistifolia (L.) Mill.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Linaria vulgaris Mill.; Magos-hegy, Kecske-hegy; 8378/1.
Linum austriacum L.; Hegyes-kő, Gete, Liget-hegy, Kecske-hegy; 8277/4, 8378/1.
Linum tenuifolium L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Linum usitatissimum L.; Hegyes-kő; 8277/4.
Lithospermum arvense L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Lithospermum purpureo-coeruleum L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy, 8278/3, 8378/1.
Loranthus europaeus Jacq.; Henrik-hegy; 8278/3.
Lotus borbasii Ujhelyi; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Lotus corniculatus L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Lycium barbarum L.; Gete; 8278/3.
Lysimachia nummularia L.; Gete, Magos-hegy; 8278/3, 8378/1.
Lythrum salicaria L.; Gete; 8278/3.
Malcomia africana (L.) R. Br.; Hegyes-kő; 8277/4.
Marrubium peregrinum L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Marrubium vulgare L.; Hegyes-kő; 8277/4.
Matricaria maritima L. ssp. inodora (L.) Soó; Gete, Kecske-hegy; 8278/3, 8378/1.
Medicago falcata L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy, 8277/4, 8278/3, 8378/1.
Medicago lupulina L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Medicago minima (L.) Grufbg.; Hegyes-kő; 8277/4.
Medicago prostrata Jacq.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Melampyrum cristatum L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Melampyrum nemorosum L.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Melampyrum pratense L.; Gete; 8278/3.
Melandrium album (Mill.) Garcke; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Melilotus officinalis (L.) Lam.; Gete, Henrik-hegy, Kecske-hegy; 8278/3, 8378/1.
Melittis grandiflora Sm.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Mentha aquatica L.; Gete; 8278/3.
Mentha longifolia (L.) Nath.; Hegyes-kő, Gete; 8277/4, 8278/3.
Mercurialis annua L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Mercurialis perennis L.; Gete, Magos-hegy; 8278/3, 8378/1.
Minuartia fastigiata (Sm.) Rchb.; Hegyes-kő, Gete; 8277/4, 8278/3.
Minuartia setacea (Thuill.) Hay.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Minuartia verna (L.) Hiern.; Gete, Kecske-hegy; 8278/3, 8378/1.
Minuartia viscosa (Schreb.) Sch. et Thell.; Hegyes-kő; 8277/4.
Moehringia trinervia (L.) Clairv.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Morus alba L.; Hegyes-kő; 8277/4.
Mycelis muralis (L.) Dum.; Gete, Magos-hegy; 8278/3, 8378/1.
Myosoton aquaticum (L.) Mönch.; Gete; 8278/3.
Myosotis arvensis (L.) Hill; Magos-hegy; 8378/1.
Myosotis stricta Link; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Nepeta cataria L.; Gete, Magos-hegy; 8278/3, 8378/1.
Nigella arvensis L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Nonea pulla (L.) Lam. et Dc.; Hegyes-kő, Magos-hegy, Liget-hegy; 8277/4, 8378/1.

Odontites lutea (L.) Clairv.; Gete, Magos-hegy, Liget-hegy; 8278/3, 8378/1.
Odontites rubra (Baumg.) Opiz; Hegyes-kő, Gete; 8277/4, 8278/3.
Oenothera biennis L.; Gete, Henrik-hegy; 8278/3.
Ononis spinosa L.; Hegyes-kő, Gete, Liget-hegy; 8277/4, 8278/3, 8378/1.
Onopordon acanthium L.; Gete; 8278/3.
Onosma visianii Clem.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Origanum vulgare L.; Magos-hegy; 8378/1.
Orlaya grandiflora (L.) Hoffm.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Padus avium Mill.; Kecske-hegy; 8378/1.
Papaver dubium L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Papaver rhoeas L.; Gete; 8278/3.
Paronychia cephalotes (M.B.) Bess.; Magos-hegy; 8378/1.
Pastinaca sativa L.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Peucedanum cervaria (L.) Cuss.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Phlomis tuberosa L.; Gete, Magos-hegy; 8278/3, 8378/1.
Physalis alkekengi L.; Gete; 8278/3.
Picris hieracioides L. ssp. hieracioides; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Picris hieracioides L. ssp. hieracioides var. subumbellata Schur.; Hegyes-kő; 8277/4.
Pimpinella saxifraga L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Plantago lanceolata L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Plantago media L.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Plantago major L.; Hegyes-kő; 8277/4.
Polycnemum arvense L.; Magos-hegy; 8378/1.
Polygala comosa Schkuhr; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Polygonum lapathifolium L.; Kecske-hegy; 8378/1.
Polygonum patulum M. B. ; Gete; 8278/3.
Populus alba L.; Gete; 8278/3.
Populus nigra L.; Gete; 8278/3.
Potentilla arenaria Borkh; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Potentilla argentea L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Potentilla heptaphylla Jusl.; Kecske-hegy; 8378/1.
Potentilla recta L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Primula veris L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Prunella grandiflora (L.) Scholler; Gete; 8278/3.
Prunella vulgaris L.; Gete, Magos-hegy; 8278/3, 8378/1.
Prunus spinosa L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Pulmonaria mollissima Kern.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Pulmonaria officinalis L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Pulsatilla grandis Wender.; Magos-hegy; 8378/1.
Pulsatilla nigricans Störck; Magos-hegy; 8378/1.
Pyrus achras Gärtn.; Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Quercus cerris L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Quercus petraea (Mattuschka) Lieblein; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Quercus pubescens Willd.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Ranunculus illyricus L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Ranunculus polyanthemos L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Ranunculus sceleratus L.; Hegyes-kő; 8277/4.
Raphanus raphanistrum L.; Gete; 8278/3.
Rapistrum perenne (L.) All.; Kecske-hegy; 8378/1.
Reseda lutea L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Reseda luteola L.; Hegyes-kő; 8277/4.

Reseda phyteuma L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Reynoutria japonica Houttuyn; Gete; 8278/3.
Rhamnus catharticus L.; Magos-hegy, Kecske-hegy; 8378/1.
Robinia pseudo-acacia L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Rosa canina L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Rubus fruticosus Agg.; Liget-hegy; 8378/1.
Rubus idaeus L.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Rumex acetosella L.; Gete; 8278/3.
Salix alba L.; Gete; 8278/3.
Salix fragilis L.; Kecske-hegy; 8378/1.
Salix triandra L.; Gete; 8278/3.
Salvia aethiopis L.; Kecske-hegy; 8378/1.
Salvia austriaca Jacq.; Hegyes-kő; 8277/4.
Salvia nemorosa L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Salvia pratensis L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Sambucus ebulus L.; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Sambucus nigra L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Sanguisorba minor Scop.;Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Saponaria officinalis L.; Hegyes-kő; 8277/4.
Saxifraga tridactylites L.; Hegyes-kő, 8277/4.
Scabiosa ochroleuca L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Scorsonera austriaca Willd.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Scorsonera cana (C.A.Mey) Gris.; Kecske-hegy; 8378/1.
Scorsonera parviflora Jacq.; Hegyes-kő; 8277/4.
Scorsonera purpurea L.; Hegyes-kő; 8277/4.
Scrophularia nodosa L.; Gete, Magos-hegy; 8278/3, 8378/1.
Sedum acre L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Sedum album L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Sedum maximum (L.) Hoffm.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Sedum sexangulare L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Sempervivum hirtum Jusl.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Sempervivum marmoreaum Gris.; Gete, Henrik-hegy; 8278/3.
Senecio jacobea L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Serratula radiata (W. et K.) M. B.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Serratula tinctoria L.; Magos-hegy; 8378/1.
Seseli annuum L.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Seseli hippomarathrum Jacq.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Seseli osseum Cr.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8378/3, 8378/1.
Seseli varium Trev.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Sideritis montana L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Silene longiflora Ehrh.; Gete; 8278/3.
Silene nutans L.; Magos-hegy, Liget-hegy, Kecske-hegy; 8378/1.
Silene otites (L.) Wibel; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Silene vulgaris (Mönch) Garcke; Gete, Liget-hegy; 8278/3, 8378/1.
Sisymbrium loeselii Jusl.; Gete; 8278/3.
Sisymbrium orientale Torn.; Hegyes-kő, Gete; 8277/4, 8278/3.
Solanum dulcamara L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Solanum nigrum L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Solidago canadensis L.; Gete; 8278/3.
Solidago gigantea Ait.; Hegyes-kő; 8277/4.
Solidago virgaurea L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Sonchus asper (L.) Hill; Kecske-hegy; 8378/1.
Sonchus oleraceus L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Sorbus aucuparia L.; Henrik-hegy; 8278/3.
Sorbus torminalis (L.) Cr.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.

Spiraea media Fr. Schm.; Hegyes-kő; 8277/4.
Stachys recta L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Stachys silvatica L.; Magos-hegy; 8378/1.
Staphylea pinnata L.; Gete; 8278/3.
Stellaria holostea L.; Gete, Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Stellaria media (L.) Cyr.; Gete; 8278/3.
Stenactis annua (L.) Nees ssp. strigosa (Mühlenbg.) Soó; Gete; 8278/3.
Symphitum officinale L.; Kecske-hegy; 8378/1.
Tanacetum vulgare L.; Liget-hegy; 8378/1.
Taraxacum laevigateum (Willd.) Dc.; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Taraxacum officinale Weber; Hegyes-kő, Gete, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Taraxacum serotinum (W. et K.) Poir; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Tetragonolobus maritimus (L.) Roth ssp. siliquosus (L.) Murb.; Gete; 8278/3.
Teucrium chamaedrys L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Teucrium montanum L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Thalictrum minus L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Thesium arvense Horvátovszky; Magos-hegy; 8378/1.
Thesium linophyllon L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Thlaspi perfoliatum L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Thymelea passerina (L.) Coss. et Germ.; Hegyes-kő; 8277/4.
Thymus austriacus Bernh.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Thymus glabrescens Willd.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Thymus marschallianus Willd.; Hegyes-kő, Gete, Liget-hegy; 8277/4, 8278/3, 8378/1.
Tilia cordata Mill.; Gete, Magos-hegy, Liget-hegy; 8278/3, 8378/1.
Tilia platyphyllos Scop.; Gete, Henrik-hegy, Liget-hegy; 8278/3, 8378/1.
Torilis japonica (Houtt.) Dc.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Tragopogon dubius Scop.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Trifolium alpestre L.; Magos-hegy, Liget-hegy, Kecske-hegy, 8378/1.
Trifolium arvense L.; Hegyes-kő, Gete, Liget-hegy, Kecske-hegy;8277/4, 8278/3, 8378/1.
Trifolium aureum Poll.; Kecske-hegy; 8378/1.
Trifolium campestre Schreb.; Hegyes-kő; 8277/4.
Trifolium montanum L.; Liget-hegy, Kecske-hegy; 8378/1.
Trifolium pratense L.; Kecske-hegy; 8378/1.
Trinia glauca (L.) Dum.; Gete, Magos-hegy; 8278/3, 8378/1.
Tunica prolifera (L.) Scop.; Gete; 8278/3.
Turritis glabra L.; Kecske-hegy; 8378/1.
Tussilago farfara L.; Gete, Magos-hegy; 8278/3, 8378/1.
Ulmus minor Mill.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Urtica dioica L.; Gete, Henrik-hegy; 8278/3.
Valeriana collina Wallr.; Gete, Kecske-hegy; 8278/3, 8378/1.
Valeriana officinalis L.; Henrik-hegy, Magos-hegy; 8278/3, 8378/1.
Valerianella carinata Lois.; Kecske-hegy; 8378/1.
Valerianella locusta (L.) Latterade; Magos-hegy; 8378/1.
Verbascum austriacum Schott.; Gete, Magos-hegy; 8278/3, 8378/1.
Verbascum blattaria L.; Hegyes-kő; 8277/4.
Verbascum lychnitis L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Verbascum nigrum L.; Magos-hegy; 8378/1.
Verbascum phlomoides L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Verbascum phoeniceum L.; Gete, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Veronica austriaca L.; Hegyes-kő; 8277/4.
Veronica chamaedrys L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Veronica persica Poir.; Kecske-hegy; 8378/1
Veronica praecox All.; Hegyes-kő; 8277/4.
Veronica prostrata L.; Kecske-hegy; 8378/1.
Veronica spicata L.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Veronica teucrium L.; Magos-hegy, Kecske-hegy; 8378/1.

Veronica triphyllos L.;Hegyes-kő; 8277/4.
Viburnum lantana L.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Vicia angustifolia Grufbg.; Magos-hegy, Kecske-hegy; 8378/1.
Vicia cassubica L.; Magos-hegy; 8378/1.
Vicia cracca L.; Kecske-hegy; 8378/1.
Vicia sepium L.; Hegyes-kő; 8277/4.
Vicia sparsiflora Ten.; Hegyes-kő, Magos-hegy, Liget-hegy; 8277/4, 8378/1.
Vicia tenuifolia Roth.; Hegyes-kő, Liget-hegy; 8277/4, 8378/1.
Vinca herbacea W. et K.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Viola alba Bess.; Magos-hegy; 8378/1.
Viola ambigua W. et K.; Liget-hegy, Kecske-hegy; 8378/1.
Viola arvensis Murr.; Kecske-hegy; 8378/1.
Viola hirta L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Viola kitaibeliana R. et Sch.; Hegyes-kő; 8277/4.
Viola mirabilis L.; Gete, Magos-hegy; 8278/3, 8378/1
Viola odorata L.; Magos-hegy, Kecske-hegy; 8378/1.
Viola rupestris F.W.Schm.; Hegyes-kő; 8277/4.
Viola silvestris Lam.; Hegyes-kő; 8277/4.
Xanthium spinosum L.; Gete; 8278/3.
Xeranthemum annuum L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.

Monocotyledones

Agropyron intermedium (Host) P.B.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Agropyron pectinatum (M.B.) R. et Sch.; Hegyes-kő; 8277/4.
Agropyron repens (L.) P.B.; Hegyes-kő, Gete, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Agrostis stolonifera L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Allium flavum L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Allium montanum F.W.Schmidt; Hegyes-kő; 8277/4.
Allium oleraceum L.; Kecske-hegy; 8378/1.
Allium rotundum L.; Magos-hegy; 8378/1.
Allium sphaerocephalum L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Anthericum ramosum L.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy; 8277/4, 8278/3, 8378/1.
Arrhenatherum elatius (L.) J. et C. Presl; Hegyes-kő, Henrik-hegy, Magos-hegy, Liget-hegy; 8277/4, 8278/3, 8378/1.
Asparagus officinalis L.; Hegyes-kő, Henrik-hegy, Magos-hegy, Liget-hegy; 8277/4, 8278/3, 8378/1.
Botriochloa ischaemum (L.) Keng; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Brachypodium pinnatum (L.) P. B.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Brachypodium silvaticum (Huds.) R. et Sch.; Gete, Magos-hegy; 8278/3, 8378/1.
Briza media L.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Bromus erectus Huds.; Hegyes-kő; 8277/4.
Bromus inermis Leyss.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Bromus japonicus Thunbg.; Hegyes-kő; 8277/4.
Bromus pannonicus Kummer et Sendtner; Hegyes-kő, Gete; 8277/4, 8278/3.
Bromus ramosus Huds.; Gete; 8278/3.
Bromus squarrosus L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Bromus sterilis L.; Gete; 8278/3.
Calamagrostis epigeios (L.) Roth; Hegyes-kő, Gete, Henrik-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Carex halleriana Asso; Liget-hegy; 8378/1.
Carex humilis Leyss.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Carex liparocarpos Gaud.; Hegyes-kő, Magos-hegy, Kecske-hegy; 8277/4, 8378/1.
Carex michelii Host; Kecske-hegy; 8378/1.
Carex montana L.; Hegyes-kő; 8277/4.

Carex pilosa Scop.; Gete, Magos-hegy; 8278/3, 8378/1.
Carex stenophylla Wahlbg.; Hegyes-kő, Gete; 8277/4, 8278/3.
Chrysopogon gryllus (Torner) Trin.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Cleistogenes serotina (L.) Keng; Hegyes-kő, Magos-hegy, Kecske-hegy; 8277/4, 8378/1.
Convallaria majalis L.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy; 8278/3, 8378/1.
Cynodon dactylon (L.) Pers.; Gete, Henrik-hegy; 8278/3.
Dactylis glomerata L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Dactylis polygama Horvátovszky; Gete, Henrik-hegy; 8278/3.
Digitaria sanguinalis (L.) Scop. ssp. pectiniformis Henrard; Hegyes-kő; 8277/4.
Echinochloa crus-galli (L.) P. B.; Hegyes-kő; 8277/4.
Epipactis helleborine Cr.; Gete, Magos-hegy; 8278/3, 8378/1.
Festuca cinerea Vill.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy; 8277/4, 8278/3, 8378/1.
Festuca heterophylla Jam.; Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Festuca pratensis Huds.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Festuca pseudovina Hack.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Festuca rupicola Heuff.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Festuca valesiaca Schleich.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Galanthus nivalis L.; Gete; 8278/3.
Helictotrichon pratense (L.) Bess.; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.
Hordeum murinum L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Iris pumila L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Iris variegata L.; Gete, Magos-hegy; 8278/3, 8378/1.
Juncus bufonius L.; Hegyes-kő, Gete; 8277/4, 8278/3.
Juncus inflexus L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Koeleria cristata (L.) Pers.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Koeleria glauca (Schkuhr) Dc.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Lilium martagon L.; Gete, Kecske-hegy; 8278/3, 8378/1.
Lolium perenne L.; Gete; 8278/3.
Luzula campestris (L.) Lam. et Dc.; Hegyes-kő; 8277/4.
Melica ciliata L.; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Melica nutans L.; Gete; 8278/3.
Melica uniflora Retz.; Gete, Magos-hegy; 8278/3, 8378/1.
Muscari comosum (L.) Mill.; Gete, Liget-hegy; 8278/3, 8378/1.
Muscari racemosum (L.) Mill.; Hegyes-kő, Gete, Magos-hegy, Liget-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Neottia nidus-avis (L.) Rich.; Gete, Magos-hegy; 8278/3, 8378/1.
Orchis purpurea Huds.; Magos-hegy; 8378/1.
Ornithogalum umbellatum L.; Magos-hegy; 8378/1.
Oryzopsis virescens (Trin.) Beck; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Phleum phleoides (L.) Karsten; Hegyes-kő, Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Platanthera bifolia (L.) Rchb.; Magos-hegy; 8378/1.
Poa angustifolia L.; Hegyes-kő, Gete, Magos-hegy, Kecske-hegy; 8277/4, 8278/3, 8378/1.
Poa bulbosa L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Poa compressa L.; Hegyes-kő, Kecske-hegy; 8277/4, 8378/1.
Poa nemoralis L.; Gete, Henrik-hegy, Magos-hegy, Kecske-hegy; 8278/3, 8378/1.
Poa palustris L.; Hegyes-kő; 8277/4.
Poa pratensis L.; Hegyes-kő; 8277/4.
Polygonatum latifolium (Jacq.) Desf.; Gete, Henrik-hegy, Magos-hegy, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Polygonatum multiflorum (L.) All.; Gete, Liget-hegy, Kecske-hegy; 8278/3, 8378/1.
Polygonatum odoratum (Mill.) Druce; Gete, Magos-hegy, Liget-hegy; 8278/3, 8378/1.
Puccinellia peisonis (Beck.) Jáv.; Gete; 8278/3.

Setaria viridis (L.) P.B.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Sternbergia colchiciflora W. et K.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/2, 8378/1.
Stipa capillata L.; Hegyes-kő, Gete, Magos-hegy; 8277/4, 8278/3, 8378/1.
Stipa pulcherrima C. Koch; Hegyes-kő, Magos-hegy; 8277/4, 8378/1.

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