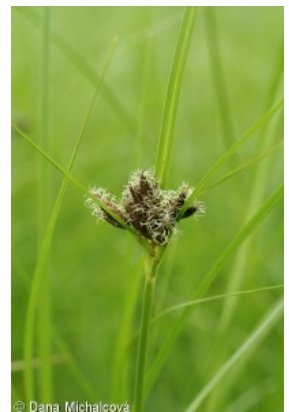
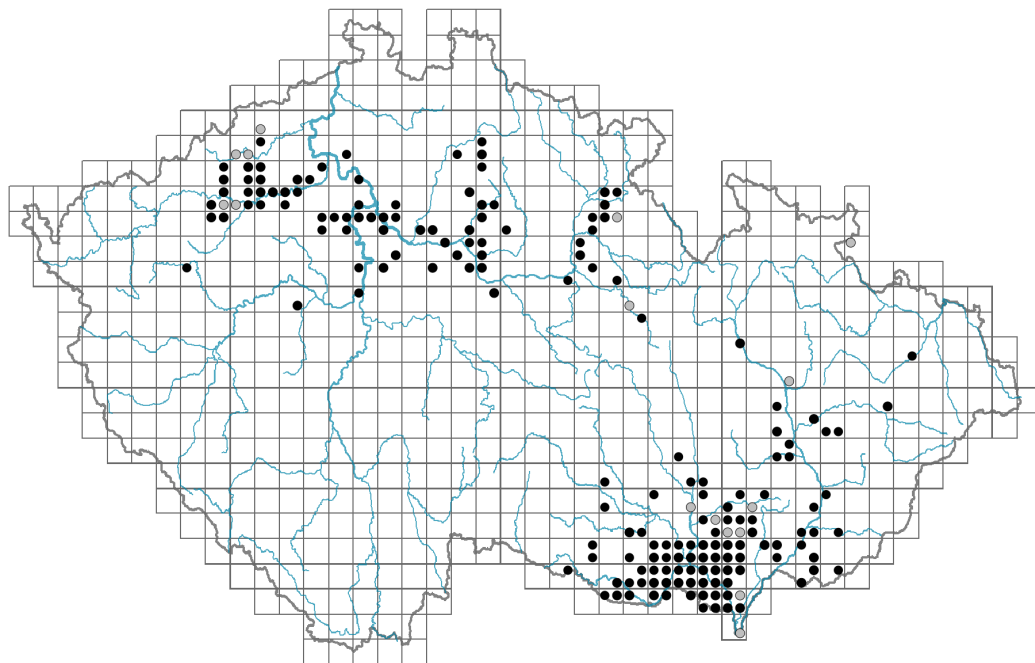


# *Bolboschoenus planiculmis*

## Distribution



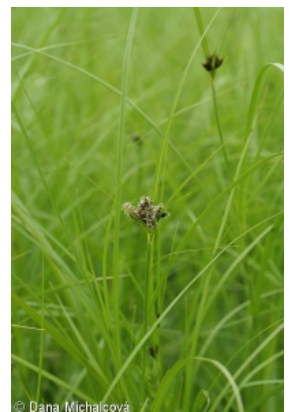
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### Map info

● revised records

● unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



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## Habitus and growth type

Height [m]: **0.2-0.8**

Growth form: **clonal herb**

Life form: **geophyte**

## Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **absent**

## Flower

Flowering period [month]: **May-July**

Flower colour: **brown**

Perianth type: **reduced**

Perianth fusion: **reduced**

Inflorescence type: **anthella e spiculis composita**



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## Fruit, seed and dispersal

Fruit type: **dry fruit - achene/cypsela/samara**

Fruit colour: **brown**

Dispersal unit (diaspore): **fruit, infrutescence or its part**

Dispersal strategy: **Sparganium (mainly autochory and hydrochory)**

Myrmecochory: **probably non-myrmecochorous**

## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Karyology

Chromosome number (2n): **108**

Ploidy level (x): **2**

2C genome size [Mbp]: **466.99**

1Cx monoploid genome size [Mbp]: **233.5**

Genomic GC content: **36.1 %**

## Taxon origin

Origin in the Czech Republic: **native**

## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **8 - light plant, only exceptionally occurring at less than 40% of diffuse radiation incident in an open area**

Temperature indicator value: **7 - heat indicator, occurring in relatively warm lowlands**

Moisture indicator value: **9 - wetness indicator, focus on often soaked, poorly aerated soils**

Reaction indicator value: **8 - transition between values 7 and 9, occurring mostly in calcium-rich conditions**

Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**

Salinity indicator value: **3 -  $\beta$ -mesohaline, mostly on soils with low salt content**

## Habitat and sociology

Affinity to the forest environment

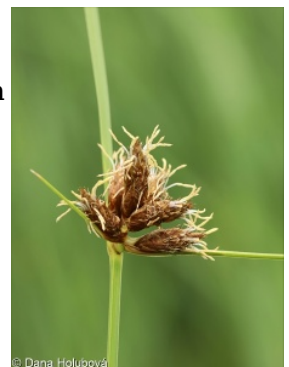
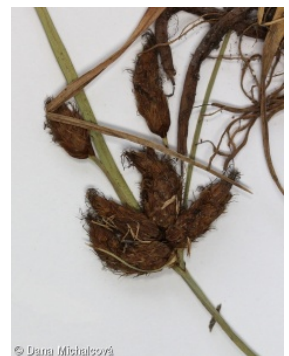
Affinity to the forest environment in Thermophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

Diagnostic taxon

Diagnostic taxon of alliances: [MAC \*Verbenion supinae\*](#)

Diagnostic taxon of associations: [MAC01 \*Veronico anagalloidis-Lythretum hyssopifoliae\*](#), [MCB01 \*Astero pannonici-Bolboschoenetum compacti\*](#), [MCC12 \*Tripleurospermo inodori-Bolboschoenetum planiculmis\*](#)



## Constant taxon

Constant taxon of associations: [MBB04 \*Chenopodio chenopodioidis-Atriplicetum prostratae\*](#), [MCC12 \*Tripleurospermo inodori-Bolboschoenetum planiculmis\*](#)

## Dominant taxon

Dominant taxon of associations: [MCB01 \*Astero pannonici-Bolboschoenetum compacti\*](#), [MCC12 \*Tripleurospermo inodori-Bolboschoenetum planiculmis\*](#)

## Distribution and frequency

Elevational belt in the Czech Republic: **lowlands, colline belt**

Expansive taxon in the region: **Bohemian Thermophyticum, Pannonian Thermophyticum, Carpathian Mesophyticum**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 108

taxon.data.freq\_in\_quad: 194

## Threats and protection

Red List 2017 (national categories): **C4a - near threatened taxon**

Red List 2017 (IUCN categories): **NT - near threatened**

Legal protection: **not protected by law**

