Parnassia palustris

Habitus and growth type

Plant height [m]: **0.17**
Life span: **Perennial**
Life form: **Hemicryptophyte**

Leaf

Specific leaf area [mm^2/mg]: **25.43**

Flower

Flowering period: **May-August**

Fruit, seed and dispersal

Seed mass [mg]: **0.03**
Dispersal mode: **Local non-specific dispersal**
Dispersal distance class: **1**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Taxon origin

Origin in Europe: **native**

Ecology

Environmental relationships

Substrate humidity relationship: **Wet**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **8.1**
Temperature indicator value: **4**
Moisture indicator value: **8.2**
Nutrient indicator value: **2**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.12**
Disturbance frequency (herb layer): **1.51**

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Disturbance severity: **0.32**
Disturbance severity (herb layer): **0.28**
Mowing frequency: **0.37**
Grazing pressure: **0.19**
Soil disturbance: **0.12**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **PA (SCH) *Scheuchzerio palustris-Caricetea fuscae***

EUNIS habitat

Diagnostic species of EUNIS habitats: **Q23 Relict mire of Mediterranean mountains**, **Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen**, **Q42 Extremely rich moss-sedge fen**, **Q43 Tall-sedge base-rich fen**, **Q45 Arctic-alpine rich fen**, **Q46 Carpathian travertine fen with halophytes**
Constant species of EUNIS habitats: **MA211 Arctic coastal saltmarsh**, **N1H Atlantic and Baltic moist and wet dune slack**, **Q23 Relict mire of Mediterranean mountains**, **Q24 Intermediate fen and soft-water spring mire**, **Q41 Alkaline, calcareous, carbonate-rich small-sedge spring fen**, **Q42 Extremely rich moss-sedge fen**, **Q43 Tall-sedge base-rich fen**, **Q45 Arctic-alpine rich fen**, **Q46 Carpathian travertine fen with halophytes**, **R37 Temperate and boreal moist or wet oligotrophic grassland**, **U25 Boreal and Arctic base-rich scree and block field**
Dominant species of EUNIS habitats: **Q46 Carpathian travertine fen with halophytes**

Broad habitat

Occurrence in broad habitats: **Coastal saltmarsh, Spring, Wetland, Mire, Grassland (non-alpine, non-saline), Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: **8**

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