# *Phyteuma charmelii*

### Habitus and growth type

Plant height [m]: **0.16**
Life span: **Perennial**
Life form: **Hemicryptophyte**

### Flower

Flowering period: **June-August**

### Fruit, seed and dispersal

Seed mass [mg]: **0.05**
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: **Dry**
Substrate reaction relationship: **Acidic**
Nutrient relationship: **Oligotrophic**
Salinity relationship: **Non-saline**

#### Ellenberg-type indicator values

Light indicator value: **7**
Temperature indicator value: **3.5**
Moisture indicator value: **4**
Reaction indicator value: **3**
Nutrient indicator value: **3**
Salinity indicator value: **0**

#### Disturbance indicator values

Disturbance frequency: **0.68**
Disturbance frequency (herb layer): **0.84**
Disturbance severity: **0.26**
Disturbance severity (herb layer): **0.22**

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Mowing frequency: **0.02**
Grazing pressure: **0.13**
Soil disturbance: **0.08**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **KC (ASP) *Asplenietea trichomanis***

### EUNIS habitat

Diagnostic species of EUNIS habitats: **U36 Temperate high-mountain base-rich inland cliff**

### Broad habitat

Occurrence in broad habitats: **Coastal cliff, Spring, Sparsely vegetated (incl. rock and scree)**

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