Polystichum lonchitis

Habitus and growth type

Plant height [m]: **0.27**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm^2/mg]: **7.8**

Flower

Flowering period: **May-September**

Fruit, seed and dispersal

Dispersal mode: **Anemochory**
Dispersal distance class: **3**

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: **Mesic**
Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Mesotrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.4**
Moisture indicator value: **5.1**
Reaction indicator value: **7.9**
Nutrient indicator value: **3.5**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.11**
Disturbance frequency (herb layer): **1.01**
Disturbance severity: **0.61**

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Disturbance severity (herb layer): **0.14**
Mowing frequency: **0.01**
Grazing pressure: **0.18**
Soil disturbance: **0.09**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **KE (THL) *Thlaspietea rotundifolii***

EUNIS habitat

Diagnostic species of EUNIS habitats: **S25 Subalpine and subarctic deciduous scrub**, **T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest**, **T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest**
Constant species of EUNIS habitats: **S25 Subalpine and subarctic deciduous scrub**, **T34 Temperate subalpine Larix, Pinus cembra and Pinus uncinata forest**, **T39 Mediterranean and Balkan subalpine Pinus heldreichii-Pinus peuce forest**

Broad habitat

Occurrence in broad habitats: **Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: **5**

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