

Isoetes longissima

Habitus and growth type

Plant height [m]: **0.24**

Life span: **Perennial**

Life form: **Hydrophyte**

Flower

Flowering period: **February-July**

Fruit, seed and dispersal

Dispersal mode: **Hydrochory**

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: **Water**

Substrate reaction relationship: **Slightly acidic to near-neutral**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.4**

Moisture indicator value: **10.3**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.69**

Disturbance frequency (herb layer): **1.69**

Disturbance severity: **0.26**

Disturbance severity (herb layer): **0.26**

Mowing frequency: **0.01**

Grazing pressure: **0.03**

Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [OB \(LIT\) Littorelletea uniflorae](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [P3f Oligotrophic-water vegetation](#)

Broad habitat

Occurrence in broad habitats: **Aquatic, Wetland**