

Vallisneria spiralis

Habitus and growth type

Plant height [m]: **0.48**

Life span: **Perennial**

Life form: **Hydrophyte**

Leaf

Specific leaf area [mm²/mg]: **44.1**

Flower

Flowering period: **March-May**

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: **Alkaline**

Nutrient relationship: **Eutrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **6.5**

Moisture indicator value: **11.8**

Reaction indicator value: **6.3**

Nutrient indicator value: **5.8**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.64**

Disturbance frequency (herb layer): **1.64**

Disturbance severity: **0.24**

Disturbance severity (herb layer): **0.24**

Mowing frequency: **0.01**

Grazing pressure: **0**

Soil disturbance: **0.01**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [NB \(POT\) Potamogetonetea](#)

Broad habitat

Occurrence in broad habitats: **Aquatic**

Distribution

Continentality: 7

Continentality amplitude: 7