

# *Hydrocharis morsus-ranae*

## Habitus and growth type

Plant height [m]: **0.17**

Life span: **Perennial**

Life form: **Hydrophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **40.37**

## Flower

Flowering period: **June-September**

## Fruit, seed and dispersal

Seed mass [mg]: **0.16**

Dispersal mode: **Epizoochory**

Dispersal distance class: **6**

## 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: **7.3**

Moisture indicator value: **11.1**

Reaction indicator value: **6.8**

Nutrient indicator value: **6.7**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **1.54**

Disturbance frequency (herb layer): **1.61**

Disturbance severity: **0.27**

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

Mowing frequency: **0.08**

Grazing pressure: **0.03**

Soil disturbance: **0.04**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [NA \(LEM\) Lemnetea](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [Pd Fresh-water small pleustophyte vegetation](#),  
[Pe Fresh-water large pleustophyte vegetation](#)

Constant species of EUNIS habitats: [Pd Fresh-water small pleustophyte vegetation](#),  
[Pe Fresh-water large pleustophyte vegetation](#)

Dominant species of EUNIS habitats: [Pe Fresh-water large pleustophyte vegetation](#)

### Broad habitat

Occurrence in broad habitats: **Aquatic**

## Distribution

Continentality amplitude: 7