

# *Elodea nuttallii*

## Habitus and growth type

Plant height [m]: **0.64**

Life span: **Perennial**

Life form: **Hydrophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **26.05**

## Flower

Flowering period: **June-September**

## Fruit, seed and dispersal

Dispersal mode: **Anthropochory, Hydrochory**

Dispersal distance class: **7**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Taxon origin

Origin in Europe: **neophyte**

## 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: **6.8**

Temperature indicator value: **6.2**

Moisture indicator value: **12**

Reaction indicator value: **6.7**

Nutrient indicator value: **7**

Salinity indicator value: **0.2**

### Disturbance indicator values

Disturbance frequency: **1.66**

Disturbance frequency (herb layer): **1.66**

Disturbance severity: **0.25**

Disturbance severity (herb layer): **0.25**

Mowing frequency: **0.07**

Grazing pressure: **0.02**

Soil disturbance: **0.03**

## **Habitat and sociology**

### Syntaxon

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

### EUNIS habitat

Diagnostic species of EUNIS habitats: [P3c Fresh-water large pleustophyte vegetation](#), [P3d Fresh-water submerged vegetation](#)

### Broad habitat

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

## **Distribution**

Continentality: **6**

Continentality amplitude: **5**