

# ***Pteridium aquilinum***

## **Habitus and growth type**

Plant height [m]: **1.41**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## **Leaf**

Specific leaf area [mm<sup>2</sup>/mg]: **18.45**

## **Flower**

Flowering period: **April-September**

## **Fruit, seed and dispersal**

Seed mass [mg]: **0**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

## **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: **Acidic**

Nutrient relationship: **Oligotrophic**

Salinity relationship: **Non-saline**

### **Ellenberg-type indicator values**

Light indicator value: **6.4**

Moisture indicator value: **5.2**

Reaction indicator value: **3.4**

Nutrient indicator value: **3**

Salinity indicator value: **0**

### **Disturbance indicator values**

Disturbance frequency: **0.13**

Disturbance frequency (herb layer): **1.32**

Disturbance severity: **0.64**

Disturbance severity (herb layer): **0.17**

Mowing frequency: **0.06**

Grazing pressure: **0.21**

Soil disturbance: **0.13**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: **CC (QUE) *Quercetea robori-petraeae***, **CE (LON) *Lonicero-Rubetea plicati***, **CI (NAR) *Nardetea strictae***, **FE (CYT) *Cytisetetea scopario-striati***

### EUNIS habitat

Diagnostic species of EUNIS habitats: **R54 *Pteridium aquilinum* vegetation**, **T1B *Acidophilous Quercus* forest**, **T1G *Alnus cordata* forest**

Constant species of EUNIS habitats: **R52 Forest fringe of acidic nutrient-poor soils**, **R53 Macaronesian thermophilous forest fringe**, **R54 *Pteridium aquilinum* vegetation**, **S33 Lowland to montane temperate and submediterranean genistoid scrub**, **S37 *Corylus avellana* scrub**, **S38 Temperate forest clearing scrub**, **S42 Dry heath**, **S43 Macaronesian heath**, **S64 Macaronesian garrigue**, **T14 Mediterranean and Macaronesian riparian forest**, **T18 *Fagus* forest on acid soils**, **T1A Mediterranean thermophilous deciduous forest**, **T1B *Acidophilous Quercus* forest**, **T1D Southern European mountain *Betula* and *Populus tremula* forest on mineral soils**, **T1E *Carpinus* and *Quercus* mesic deciduous forest**, **T1G *Alnus cordata* forest**, **T22 Mainland laurophyllous forest**, **T23 Macaronesian laurophyllous forest**, **T27 *Ilex aquifolium* forest**, **T28 Macaronesian heathy forest**, **T29 Broadleaved evergreen plantation of non site-native trees**, **T32 Temperate mountain *Abies* forest**, **T33 Mediterranean mountain *Abies* forest**, **T35 Temperate continental *Pinus sylvestris* forest**, **T37 Mediterranean montane *Pinus sylvestris*-*Pinus nigra* forest**, **T3A Mediterranean lowland to submontane *Pinus* forest**, **T3F Dark taiga**, **T3G *Pinus sylvestris* light taiga**, **T3M Coniferous plantation of non site-native trees**

Dominant species of EUNIS habitats: **R54 *Pteridium aquilinum* vegetation**, **T1G *Alnus cordata* forest**

### Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline)**, **Heathland**, **Scrub**, **Forest**, **Sparsely vegetated (incl. rock and scree)**, **Synanthropic**

## Distribution

Continentality amplitude: **5**