Carex bigelowii

Habitus and growth type

Plant height [m]: **0.16**
Life span: **Perennial**
Life form: **Hemicryptophyte, Geophyte**

Leaf

Specific leaf area [mm^2/mg]: **19.99**

Fruit, seed and dispersal

Seed mass [mg]: **0.67**
Dispersal mode: **Local non-specific dispersal**
Dispersal distance class: **1**

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: **7.7**
Temperature indicator value: **2.7**
Moisture indicator value: **5.3**
Reaction indicator value: **1.7**
Nutrient indicator value: **2.3**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **1.36**
Disturbance frequency (herb layer): **1.45**
Disturbance severity: **0.28**
Disturbance severity (herb layer): **0.25**

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Mowing frequency: **0.02**
Grazing pressure: **0.24**
Soil disturbance: **0.12**

Habitat and sociology

EUNIS habitat

Diagnostic species of EUNIS habitats: **R42 Boreal and Arctic acidophilous alpine grassland**, **S11 Shrub tundra**, **U21 Boreal and Arctic siliceous scree and block field**, **U25 Boreal and Arctic base-rich scree and block field**, **U52 Polar desert**, **U61 Subarctic volcanic field**

Constant species of EUNIS habitats: **R42 Boreal and Arctic acidophilous alpine grassland**, **S11 Shrub tundra**, **S12 Moss and lichen tundra**, **U21 Boreal and Arctic siliceous scree and block field**, **U25 Boreal and Arctic base-rich scree and block field**, **U52 Polar desert**, **U61 Subarctic volcanic field**

Broad habitat

Occurrence in broad habitats: **Spring, Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Sparsely vegetated (incl. rock and scree)**

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