Annexes to the BioScore report:

A tool to assess the impacts of European Community policies on Europe's biodiversity

Edited by

Ben Delbaere

Ana Nieto Serradilla

Mark Snethlage

(Eds)

ECNC, Tilburg, the Netherlands, 2009

The report can be consulted on www.bioscore.eu and www.ecnc.org

Annex 1 List of environmental variables as derived from species data availability and literature sources

Environmental variables
Biogeographical region
Land cover (CLC classes)
Dispersal capacity
Dispersal capacity minimum
Dispersal capacity maximum
Elevation
Minimum elevation
Maximum elevation
Optimum elevation minimum
Optimum elevation maximum
Light
Temperature
Continentality
Soil moisture
Soil acidity
Nitrogen availability
Salt tolerance
Habitat patch size (minimum area requirement)
Habitat patch size minimum
Habitat patch size maximum
Habitat structure
Population size
Host/nectar plant
Influence roads
Permanent water surface
Temporary water availability
Exchange between watersheds
Water flow (reduced)
Water quality sensitivity
Water acidification
Water eutrophication
Water toxic compounds
Water siltation
Water temperature
Water transparency

Annex 2 Species list with sensitivity scores

Amphibians

	Climate_change	Fragmentation	Water pollution	Water quality sensitivity
Alytes obstetricans	Not	High	High	High
Bombina bombina	Not	High	High	High
Bombina variegata	Not	High	High	High
Bufo bufo	Not	High	High	Not
Discoglossus sardus	High	High	Not	High
Euproctus asper	High	High	High	High
Euproctus montanus	High	High	High	High
Euproctus platycephalus	Not	High	High	High
Hyla arborea	Not	High	High	High
Pelobates fuscus	Not	High	High	High
Pelodytes punctatus	Not	High	High	High
Rana dalmatina	Not	High	High	High
Rana lessonae	Not	High	High	High
Rana ridibunda	Not	Not	Not	Not
Rana temporaria	Not	Not	High	Not
Salamandra atra	Not	High	High	Not
Triturus alpestris	Not	High	High	High
Triturus cristatus	Not	High	High	High
Triturus helveticus	Not	High	High	High
Triturus vulgaris	Not	High	High	Not

Mammals

	Climate_change	Fragmentation	Water pollution
Alces alces	Not	Not	Not
Apodemus agrarius	Not	Not	Not
Apodemus flavicollis	Not	Not	Not
Arvicola amphibius	Not	High	High
Barbastella barbastellus	Not	High	High
Canis aureus	Not	High	Not
Canis lupus	Not	High	Not
Capra ibex	Not	Not	Not
Capra pyrenaica	Not	High	Not
Capreolus capreolus	Not	Not	Not
Castor fiber	Not	High	Not
Cervus elaphus	Not	High	Not
Clethrionomys glareolus	Not	Not	Not
Cricetus cricetus	Not	High	High
Crocidura russula	Not	Not	Not
Crocidura suaveolens	Not	Not	Not
Dryomys nitedula	Not	Not	Not
Eliomys quercinus	Not	Not	Not
Erinaceus europaeus	Not	Not	Not
Erinaceus roumanicus	Not	Not	Not
Felis silvestris	Not	High	Not
Glis glis	Not	High	Not
Gulo gulo	Not	High	Not
Lepus europaeus	Not	High	High
Lepus timidus	Not	Not	Not
Lutra lutra	Not	High	High
Lynx lynx	Not	High	Not
Marmota marmota	Not	High	Not
Martes foina	Not	Not	Not
Martes martes	Not	High	Not
Meles meles	Not	High	Not
Micromys minutus	Not	Not	Not
Microtus arvalis	Not	Not	Not
Microtus multiplex	Not	Not	Not

Mammals

	Climate_change	Fragmentation	Water pollution
Miniopterus schreibersii	Not	High	High
Mus spicilegus	Not	High	Not
Muscardinus avellanarius	Not	High	Not
Mustela erminea	Not	Not	Not
Mustela nivalis	Not	High	Not
Mustela putorius	Not	Not	Not
Myotis bechsteinii	Not	High	High
Myotis blythii	Not	High	High
Myotis capaccinii	Not	High	High
Myotis dasycneme	Not	Not	High
Myotis emarginatus	Not	High	Not
Myotis myotis	Not	Not	Not
Neomys anomalus	Not	High	High
Neomys fodiens	Not	High	High
Rhinolophus euryale	Not	High	High
Rhinolophus ferrumequinum	Not	High	High
Rhinolophus hipposideros	Not	High	High
Rupicapra pyrenaica	High	Not	Not
Rupicapra rupicapra	Not	Not	Not
Sciurus vulgaris	Not	High	Not
Sorex alpinus	High	High	Not
Sorex araneus	Not	Not	Not
Sorex minutus	Not	Not	Not
Spermophilus citellus	Not	High	Not
Suncus etruscus	Not	Not	Not
Talpa europaea	Not	Not	Not
Ursus arctos	Not	High	Not

Reptiles

	Climate_change	Fragmentation	Water pollution
Algyroides nigropunctatus	High	High	Not
Archaeolacerta bedriagae	High	High	Not
Chalcides striatus	High	High	Not
Coronella girondica	High	High	Not
Elaphe quatuorlineata	High	High	Not
Elaphe situla	High	Not	Not
Emys orbicularis	High	Not	Not
Euleptes europaea	High	High	Not
Lacerta agilis	High	High	Not
Lacerta bilineata	High	High	High
Lacerta trilineata	High	High	High
Lacerta viridis	High	High	High
Macroprotodon cucullatus	High	High	Not
Mauremys caspica	High	Not	Not
Mauremys leprosa	High	Not	High
Natrix maura	High	High	High
Podarcis tiliguerta	High	High	Not
Podarcis wagleriana	High	Not	Not
Pseudopodus apodus	High	High	Not
Rhinechis scalaris	High	High	Not
Telescopus fallax	High	Not	Not
Testudo graeca	High	High	Not
Testudo hermanni	High	High	Not
Testudo marginata	High	High	Not
Timon lepidus	High	High	High
Vipera ammodytes	High	Not	Not
Vipera latastei	High	High	Not
Vipera ursinii	High	High	Not
Zootoca vivipara	High	High	Not

Amphibians

	111	112	121	122	123	124	131	132	133	141	142	211	212	213	221	222
Alytes obstetricans	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Not	Low	Low
Bombina bombina	Not	Low	Not	Not	Not	Low	Not	Low	Low	Medium	Low	Low	Low	Not	Low	Low
Bombina variegata	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Bufo bufo	Low	Low	Low	Low	Not	Low	Low	Not	Low	Low	Low	Low	Medium	Medium	Low	Low
Discoglossus sardus	Not	Not	Not	Low	Not	Low	Low	Not	Not	Low	Low	Low	Low	Low	Low	Low
Euproctus asper	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Euproctus montanus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Euproctus platycephalus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low
Hyla arborea	Not	Not	Not	Low	Not	Low	Not	Not	Not	Low	Low	Low	Low	Medium	Low	Low
Pelobates fuscus	Not	Not	Low	Low	Not	Low	Not	Not	Not	Low	Low	Low	High	Medium	Low	Low
Pelodytes punctatus	Not	Not	Low	Low	Not	Low	Low	Not	Low	Low	Low	Medium	High	Medium	Medium	Medium
Rana dalmatina	Not	Not	Low	Low	Not	Low	Not	Not	Not	Low	Low	Not	Low	Not	Low	Medium
Rana lessonae	Not	Not	Not	Low	Not	Low	Low	Not	Not	Low	Low	Low	Medium	High	Low	Low
Rana ridibunda	Not	Not	Not	Low	Not	Low	Not	Not	Not	Low	Low	Low	Medium	Medium	Low	Low
Rana temporaria	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Salamandra atra	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Triturus alpestris	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Low	Low	Low
Triturus cristatus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Medium	Low	Low
Triturus helveticus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Medium	Medium	High	Low	Low
Triturus vulgaris	Not	Low	Not	Low	Not	Low	Low	Not	Not	Low	Low	Low	Low	Medium	Low	Low

Amphibians

	223	231	241	242	243	244	311	312	313	321	322	323	324	331	332	333
Alytes obstetricans	Medium	Medium	Medium	Medium	Low	Not	Not	Not	Not	Low	High	Not	Not	High	Not	Not
Bombina bombina	Medium	Medium	Medium	Low	Medium	High	High	Low	Medium	Medium	Low	Low	Medium	Medium	Not	Not
Bombina variegata	Not	Low	Low	Low	Low	Low	Medium	Medium	Medium	Low	Low	Low	Low	Low	Not	Low
Bufo bufo	Low	Medium	Low	Low	Medium	High	High	Low	High	Low	Low	Low	Low	Low	Not	Low
Discoglossus sardus	Low	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Low	Low	Low	Low	Not	Low
Euproctus asper	Not	Medium	Low	Low	Low	Low	Low	Not	Low	Medium	Medium	High	Medium	Not	Not	Low
Euproctus montanus	Not	Medium	Low	Low	Not	Not	Not	Not	Not	Medium	Low	Low	Medium	Not	Not	Low
Euproctus platycephalus	Not	Medium	Low	Low	Low	Low	Low	Not	Low	Medium	Medium	High	Medium	Not	Not	Low
Hyla arborea	Low	Medium	Medium	Medium	Medium	Medium	Medium	Not	Low	Medium	Medium	Medium	Medium	Low	Not	Low
Pelobates fuscus	Low	Low	Low	Low	Low	Low	Low	Low	Low	Medium	High	Low	Low	Low	Not	Medium
Pelodytes punctatus	High	Medium	Medium	Medium	Medium	Medium	Low	Not	Low	Medium	Low	High	Medium	Not	Not	Low
Rana dalmatina	Low	High	Medium	Medium	Medium	Medium	High	Not	Not	Medium	High	Low	Low	Low	Not	Low
Rana lessonae	Low	Low	Low	Low	Medium	Medium	Low	Low	Low	Medium	High	Low	Medium	Low	Not	Low
Rana ridibunda	Low	Medium	Low	Low	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	Low	Not	Low
Rana temporaria	Not	Medium	Low	Low	Low	Medium	High	Medium	Medium	High	Medium	Medium	Low	Not	Not	Medium
Salamandra atra	Not	Low	Not	Not	Not	Not	High	Medium	High	High	Low	Low	Low	Not	Not	High
Triturus alpestris	Low	Low	Low	Low	Low	Medium	Medium	Medium	Medium	Low	Low	Low	Low	Low	Not	Low
Triturus cristatus	Low	Low	Low	Low	Low	Medium	Medium	Low	Low	High	High	Low	Medium	Low	Not	Low
Triturus helveticus	Low	Medium	Low	Low	High	High	High	Not	Low	High	High	Medium	Medium	Not	Not	Not
Triturus vulgaris	Low	Medium	Low	Medium	Medium	Medium	Medium	Low	Medium	Medium	Medium	Low	Medium	Low	Not	Low

Amphibians

	334	335	411	412	421	422	423	511	512	521	522	523
Alytes obstetricans	Not	Not	Medium	Low	Not	Not	Not	Medium	High	Not	Not	Not
Bombina bombina	Not	Not	Medium	Low	Not	Not	Not	Low	Medium	Not	Not	Not
Bombina variegata	Not	Not	Medium	High	Not	Not	Not	Not	Not	Not	Not	Not
Bufo bufo	Not	Not	Medium	Low	Low	Not	Not	High	High	Low	Low	Not
Discoglossus sardus	Not	Not	High	Low	Not	Not	Not	High	High	Not	Not	Not
Euproctus asper	Not	Not	Medium	Low	Not	Not	Not	Medium	High	Low	Not	Not
Euproctus montanus	Not	Not	Medium	Low	Not	Not	Not	High	High	Low	Not	Not
Euproctus platycephalus	Not	Not	Medium	Low	Not	Not	Not	Medium	High	Low	Not	Not
Hyla arborea	Not	Not	High	Low	Low	Not	Not	Low	High	Low	Low	Not
Pelobates fuscus	Not	Not	Medium	Low	Not	Not	Not	Low	High	Not	Not	Not
Pelodytes punctatus	Not	Not	Low	Low	Low	Not	Not	Low	Low	Not	Not	Not
Rana dalmatina	Not	Not	Medium	Medium	Not	Not	Not	Low	High	Low	Low	Not
Rana lessonae	Not	Not	High	High	Low	Not	Not	High	High	Low	Low	Not
Rana ridibunda	Not	Not	High	Medium	Not	Not	Not	High	High	Low	Low	Not
Rana temporaria	Not	Not	Medium	High	Not	Not	Not	High	High	Not	Not	Not
Salamandra atra	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Triturus alpestris	Not	Not	Medium	Medium	Not	Not	Not	Low	High	Low	Low	Not
Triturus cristatus	Not	Not	Medium	Medium	Low	Not	Not	Low	High	Low	Low	Not
Triturus helveticus	Not	Not	High	High	Not	Not	Not	Low	Medium	Not	Not	Not
Triturus vulgaris	Not	Not	Medium	Medium	Low	Not	Not	Low	High	Low	Low	Not

Mammals

	111	112	121	122	123	124	131	132	133	141	142	211	212	213	221	222
Alces alces	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Apodemus agrarius	Not	Not	Not	Not	Not	Not	Not	Not	Not	Medium	Not	Medium	Not	Not	Low	Low
Apodemus flavicollis	Not	Low	Not	Low	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Not	Medium
Arvicola amphibius	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not
Barbastella barbastellus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Medium	Low	Not	Medium	Not	Not	Medium
Canis aureus	Not	Low	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Not	Not	Low	Medium
Canis lupus	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low
Capra ibex	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Capra pyrenaica	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Capreolus capreolus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low
Castor fiber	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Cervus elaphus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Clethrionomys glareolus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low
Cricetus cricetus	Not	Not	Not	Not	Not	Low	Not	Not	Not	Low	Not	High	Low	Not	Not	Not
Crocidura russula	Low		Not	Low	Not	Not	Not	Low	Not			Low	Not	Not	Medium	Low
Crocidura suaveolens	Low		Not	Low	Not	Not	Not	Low	Not			Low	Not	Not		
Dryomys nitedula	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	Low
Eliomys quercinus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	High
Erinaceus europaeus	Not	Medium	Not	Not	Not	Not	Not	Not	Not	Medium	Low	Low	Low	Not	Low	Medium
Erinaceus roumanicus	Not	High	Low	Not	Not	Low	Not	Not	Not	High	Medium	Low	Low	Not	Low	Medium
Felis silvestris	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Glis glis	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Not	High
Gulo gulo	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lepus europaeus	Not	Not	Not	Not	Not	Medium	Not	Not	Not	Not	Not	Medium	High	Low	Medium	Medium
Lepus timidus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lutra lutra	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low
Lynx lynx	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not
Marmota marmota	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Martes foina	Not	Medium	Low	Low	Low	Low	Low	Not	Low	Low	Low	Low	Low	Not	Low	Medium
Martes martes	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	Low
Meles meles	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	Medium
Micromys minutus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Medium	High	High	Not	Not
Microtus arvalis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not
Microtus multiplex	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low
Miniopterus schreibersii	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Not	Not
Mus spicilegus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Medium	Not	Not	Not	Not
Muscardinus avellanarius	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Not	High
Mustela erminea	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Mustela nivalis	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Low	Low	Not	Low	Low
Mustela putorius	Not	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Low
Myotis bechsteinii	Not	Not	Not	Not	Not	Not	Not	Not	Not	Medium	Not	Not	Not	Not	Not	Medium

Mammals

	223	231	241	242	243	244	311	312	313	321	322	323	324	331	332	333
Alces alces	Not	Not	Not	Not	Not	Not	Medium	High	High	Low	Medium	Medium	Medium	Not	Not	Not
Apodemus agrarius	Low	Low	Low	Low	High	Medium	Not	Not	Not	Medium	High	Low	Medium	Not	Not	Not
Apodemus flavicollis	Not	Not	Low	Not	Low	Medium	High	Medium	High	Not	Low	Low	Low	Not	Not	Not
Arvicola amphibius	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not
Barbastella barbastellus	Not	Not	Not	Not	Medium	Medium	High	Medium	High	Low	Medium	Not	High	Not	Not	Not
Canis aureus	Low	Low	Medium	Low	Medium	Low	Medium	Low	Medium	Medium	Low	High	High	Not	Low	Medium
Canis lupus	Not	Medium	Not	Not	Low	Medium	High	High	High	Medium	Medium	Low	Medium	Not	Not	Low
Capra ibex	Not	Low	Not	Not	Not	Not	Low	Low	Low	High	Medium	Not	Medium	Not	High	High
Capra pyrenaica	Not	Low	Not	Not	Not	Not	Medium	Medium	Medium	High	Medium	Not	Medium	Not	High	High
Capreolus capreolus	Low	Low	Low	Low	High	Medium	High	Medium	High	Medium	Medium	High	High	Not	Not	Not
Castor fiber	Not	Not	Not	Not	Not	Not	High	Medium	High	Not	Not	High	Medium	Not	Not	Not
Cervus elaphus	Not	Low	High	High	Low	Low	High		High		Medium		Medium	Not	Not	High
Clethrionomys glareolus	Not	Not	Low	Not	Medium	High	High	High	High	Low	Low	Not	Low	Not	Not	Not
Cricetus cricetus	Not	High	Medium	High	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Crocidura russula	Medium	Low	Low	High	Medium	Low	Low	Low	Low	Medium	Medium	Medium	Medium	Low	Not	Medium
Crocidura suaveolens			Low	High	Medium			Low		Medium	Medium	Medium	Medium	Low	Not	Medium
Dryomys nitedula	Low	Not	Not	Not	Not	Medium	Medium	High	Medium	Not	Low	Medium	Medium	Not	Not	Not
Eliomys quercinus	Low	Not	Low	Medium	Medium	Medium	High	High	High	Low	High	Medium	Medium	Not	Not	Not
Erinaceus europaeus	Low	Low	Low	Medium	High	High	Medium	Low	Medium	Medium	Medium	Low	High	Low	Not	Not
Erinaceus roumanicus	Low	Low	Low	Low	High	High	Medium	Low	Medium	Medium	Medium	Low	High	Low	Not	Not
Felis silvestris	Not	Low	Not	Not	Low	Medium	High	High	High	Low	Medium	Medium	Medium	Not	Low	Low
Glis glis	Not	Not	Not	Not	Not	Low	High	Low	High	Not	Low	High	Low	Not	Not	Not
Gulo gulo	Not	Not	Not	Not	Not	Not	High	High	High	High	Medium	Medium	Medium	Not	Not	Low
Lepus europaeus	Medium	High	High	High	High	Medium	Low	Not	Low	Low	Low	Not	Low	Low	Not	Low
Lepus timidus	Not	Not	Not	Not	High	High	Low	Low	Low	High	High	Not	Medium	Not	Medium	High
Lutra lutra	Low	Medium	Medium	Medium	Medium	High	High	High	High	Medium	High	High	High	High	Low	Low
Lynx lynx	Low	Low	Not	Not	Low	Low	High	High	High	Medium	Medium	Not	Medium	Not	Medium	Low
Marmota marmota	Not	Low	Not	Not	Not	Low	Low	Low	Low	High	Medium	Not	Medium	Not	High	Medium
Martes foina	Low	Low	Low	Low	Medium	Medium	High	High	High	Medium	High	Medium	High	Not	Low	Low
Martes martes	Low	Not	Not	Not	Medium	Medium	High	High	High	Low	Medium	Medium	Medium	Not	Not	Low
Meles meles	Low	Low	Low	Low	High	Medium	High	Medium	High	Medium	Medium	High	High	Not	Not	Low
Micromys minutus	Not	Low	Low	Medium	Medium	Not	Not	Not	Not	Medium	Medium	Low	Medium	Not	Not	Low
Microtus arvalis	Not	High	Low	Low	High	Low	Not	Not	Not	High	Low	Not	Medium	Not	Not	Not
Microtus multiplex	Low	Medium	Medium	Low	High	Medium	Medium	Medium	Medium	High	Medium	Not	High	Not	Not	Low
Miniopterus schreibersii	Not	High	Not	Low	Low	Not	Not	Not	Not	High	Medium	Not	Medium	Not	Medium	High
Mus spicilegus	Not	High	High	High	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Medium	Not	Medium
Muscardinus avellanarius	Not	Not	Not	Not	Low	Medium	High	Low	High	Low	Medium	High	Medium	Not	Not	Not
Mustela erminea	Not	Low	Low	Low	Low	Medium	Medium	Medium	High	High	Medium	Not	High	Not	Low	Low
Mustela nivalis	Low	Not	Not	Low	Medium	Medium	High	High	High	High	Medium	Medium	High	Medium	Low	Low
Mustela putorius	Low	Not	Not	Low	High	Medium	Medium	Medium	Medium	Medium	Medium	Low	Medium	Low	Not	Low
Myotis bechsteinii	Not	Not	Not	Not	Low	Medium	High	High	High	Not	Not	Not	Low	Not	Not	Not

Mammals

	334	335	411	412	421	422	423	511	512	521	522	523
Alces alces	Not	Not	Medium	Medium	Not	Not	Not	Not	Not	Not	Not	Not
Apodemus agrarius	Not	Not	Medium	Low	Not	Not	Not	Not	Not	Not	Not	Not
Apodemus flavicollis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Arvicola amphibius	Not	Not	High	Low	Low	Not	Not	High	Not	Not	Not	Not
Barbastella barbastellus	Not	Not	Medium	Low	Not	Not	Not	High	High	Not	Not	Not
Canis aureus	Not	Not	Medium	Not	Medium	Not	Not	Not	Not	Not	Not	Not
Canis lupus	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Capra ibex	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Capra pyrenaica	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Capreolus capreolus	High	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Castor fiber	Not	Not	High	Low	Not	Not	Not	High	High	Not	Not	Not
Cervus elaphus		Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Clethrionomys glareolus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Cricetus cricetus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Crocidura russula	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Crocidura suaveolens	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Dryomys nitedula	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Eliomys quercinus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Erinaceus europaeus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Erinaceus roumanicus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Felis silvestris	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Glis glis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Gulo gulo	Not	Not	Low	Medium	Not	Not	Not	Not	Not	Not	Not	Not
Lepus europaeus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lepus timidus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lutra lutra	Low	Not	High	Not	High	Not	Not	High	High	High	High	Not
Lynx lynx	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Marmota marmota	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Martes foina	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Martes martes	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Meles meles	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Micromys minutus	Not	Not	High	Medium	Not	Not	Not	Not	Not	Not	Not	Not
Microtus arvalis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Microtus multiplex	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Miniopterus schreibersii	Not	Not	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not
Mus spicilegus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Muscardinus avellanarius	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Mustela erminea	Not	Low	Not	Low	Not	Not	Not	Not	Not	Not	Not	Not
Mustela nivalis	Low	Not	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not
Mustela putorius	Not	Not	High	Not	High	Not	Not	High	High	High	High	Not
Myotis bechsteinii	Not	Not	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not

Mammals

	111	112	121	122	123	124	131	132	133	141	142	211	212	213	221	222
Myotis blythii	Not	Low	Not	Not	Not	Not	Not	Not	Not	Medium	Low	Not	Low	Not	Not	Not
Myotis capaccinii	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Medium	Low	Not	Low
Myotis dasycneme	Not	Low	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Medium	Low	Not	Low
Myotis emarginatus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Low	Not	Not	Medium
Myotis myotis	Not	Medium	Not	Low	Not	Not	Not	Not	Not	Medium	Low	Low	Medium	Not	Not	Low
Neomys anomalus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Low	Low	Not	Not
Neomys fodiens	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Low	Low	Not	Not
Rhinolophus euryale	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Low	Low
Rhinolophus ferrumequinum	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Not	Medium
Rhinolophus hipposideros	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Not	Medium
Rupicapra pyrenaica	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Rupicapra rupicapra	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Sciurus vulgaris	Not	Not	Not	Not	Not	Not	Not	Not	Not	Medium	Not	Not	Not	Not	Not	Low
Sorex alpinus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Sorex araneus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Not	Not
Sorex minutus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Spermophilus citellus	Not	Not	Not	Not	Not	Low	Not	Not	Not	Low	Low	High	Medium	Not	Not	Not
Suncus etruscus	Low	Medium	Not	Not	Not	Not	Not	Not	Not	Low	Low	Medium	Not	Not	High	Medium
Talpa europaea	Not	Not	Not	Not	Not	Medium	Not	Low	Low	Medium	Low	Low	Low	Not	Medium	High
Ursus arctos	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Medium

Mammals

	223	231	241	242	243	244	311	312	313	321	322	323	324	331	332	333
Myotis blythii	Low	Medium	Not	Not	Medium	Not	Low	Not	Low	High	High	Not	Medium	Not	Not	Low
Myotis capaccinii	Not	Not	Not	Not	Medium	Medium	Medium	Not	Medium	Low	Low	Not	High	Not	Not	Not
Myotis dasycneme	Low	High	Medium	Low	Medium	Low	Low	Not	Low	High	Medium	Not	High	Not	Not	Medium
Myotis emarginatus	Low	Not	Low	Low	Medium	High	High	Medium	High	Not	Not	Not	Medium	Not	Not	Not
Myotis myotis	Medium	High	Low	Low	Medium	Low	Medium	Low	Medium	Medium	Low	Not	Medium	Not	Not	Low
Neomys anomalus	Not	Low	Not	Not	Low	Low	Medium	Low	Medium	Low	Low	Not	Medium	High	Not	Low
Neomys fodiens	Not	Low	Not	Not	Low	Low	Medium	Low	Medium	Low	Low	Not	Medium	High	Not	Low
Rhinolophus euryale	Low	Not	Low	Not	Medium	Medium	Medium	Low	Medium	Not	Medium	High	Medium	Not	Not	Not
Rhinolophus ferrumequinum	Low	Not	Not	Not	Medium	Medium	High	Medium	High	Not	Not	Low	Medium	Not	Not	Not
Rhinolophus hipposideros	Not	Not	Not	Not	Medium	Medium	High	Low	High	Low	Low	Low	Medium	Not	Not	Not
Rupicapra pyrenaica	Not	Low	Not	Not	Not	Medium	High	Medium	High	High	Medium	Not	Medium	Not	Medium	Medium
Rupicapra rupicapra	Not	Low	Not	Not	Not	Low	Medium	Medium	Medium	High	High	Not	Low	Not	High	High
Sciurus vulgaris	Not	Not	Low	Not	Medium	Medium	Medium	High	Medium	Not	Not	Not	Not	Not	Not	Not
Sorex alpinus	Not	Not	Not	Not	Not	Medium	High	High	High	High	Medium	Not	Medium	Low	Not	Not
Sorex araneus	Not	Low	Low	Not	Low	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Not	Low
Sorex minutus	Not	Low	Low	Not	Low	Low	High	Low	High	Medium	Medium	Medium	Medium	Not	Not	Low
Spermophilus citellus	Not	High	Low	Low	Not	Not	Not	Not	Not	High	Not	Not	Not	Not	Not	High
Suncus etruscus	Low	Low	Low	Low	Low	Not	Not	Not	Not	High	High	Not	Medium	Not	Not	Medium
Talpa europaea	Medium	Medium	Low	Low	Medium	Medium	High	Low	Medium	High	Medium	Medium	High	Not	Not	Low
Ursus arctos	Not	Low	Low	Not	Medium	Medium	High	Low	Medium	Low	Medium	Not	Medium	Not	Low	Low

Mammals

	334	335	411	412	421	422	423	511	512	521	522	523
Myotis blythii	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Myotis capaccinii	Not	Not	High	Medium	Not	Not	Not	High	High	Not	Not	Not
Myotis dasycneme	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Myotis emarginatus	Not	Not	Medium	Not	Not	Not	Not	Medium	Medium	Not	Not	Not
Myotis myotis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Neomys anomalus	Not	Not	High	High	Not	Not	Not	High	High	Not	Not	Not
Neomys fodiens	Not	Not	High	High	Medium	Not	Not	High	High	High	Not	Not
Rhinolophus euryale	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Rhinolophus ferrumequinum	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Rhinolophus hipposideros	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Rupicapra pyrenaica	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Rupicapra rupicapra	Low	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Sciurus vulgaris	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Sorex alpinus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Sorex araneus	Low	Not	Low	Low	Not	Not	Not	Not	Not	Not	Not	Not
Sorex minutus	Low	Not	Low	Low	Not	Not	Not	Not	Not	Not	Not	Not
Spermophilus citellus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Suncus etruscus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Talpa europaea	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Ursus arctos	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not

Reptiles

	111	112	121	122	123	124	131	132	133	141	142	211	212	213	221	222
Algyroides nigropunctatus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Low	Low	Not	Low	Low
Archaeolacerta bedriagae	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low
Chalcides striatus	Not	Low	Low	Low	Not	Low	Not	Not	Not	Low	Low	Medium	Not	Not	Low	Not
Coronella girondica	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	Low
Elaphe quatuorlineata	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Medium
Elaphe situla	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Low	High
Emys orbicularis	Not	Not	Low	Low	Low	Low	Not	Not	Not	Low	Low	Low	Low	Medium	Low	Low
Euleptes europaea	Not	Not	Low	Low	Not	Low	Low	Not	Low	Low	Low	Not	Not	Not	Medium	Medium
Lacerta agilis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lacerta bilineata	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	Low
Lacerta trilineata	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Low	Not	Not	Medium	Not
Lacerta viridis	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Not	Not	Low	Low
Macroprotodon cucullatus	Not	Low	Low	Low	Not	Low	Low	Not	Low	Low	Low	Low	Not	Not	Low	Medium
Mauremys caspica	Not	Not	Low	Low	Low	Low	Not	Not	Not	Low	Low	Low	Low	Medium	Low	Low
Mauremys leprosa	Not	Not	Low	Low	Low	Low	Not	Not	Not	Low	Low	Low	Low	Medium	Low	Low
Natrix maura	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Low
Podarcis tiliguerta	Not	Medium	Not	Low	Not	Low	Low	Not	Not	Medium	Low	Not	Not	Not	Low	Low
Podarcis wagleriana	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Not	Low	Low
Pseudopodus apodus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Not	Not	Medium	Not
Rhinechis scalaris	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Medium	Not
Telescopus fallax	Not	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Medium	Medium
Testudo graeca	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Not	Low
Testudo hermanni	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Not	Not	Not	Low	Low
Testudo marginata	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low
Timon lepidus	Not	Low	Not	Not	Not	Not	Not	Not	Not	Low	Low	Low	Low	Not	Low	Low
Vipera ammodytes	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Medium
Vipera latastei	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Medium	Not
Vipera ursinii	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Zootoca vivipara	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Low	Not	Not	Low

Reptiles

	223	231	241	242	243	244	311	312	313	321	322	323	324	331	332	333
Algyroides nigropunctatus	Medium	Low	Low	Medium	Medium	High	Low	Low	Low	Low	Low	High	Medium	Low	Low	Low
Archaeolacerta bedriagae	Medium	Medium	Low	Medium	Low	Low	Medium	Low	Low	Medium	Low	Medium	Medium	Not	High	Medium
Chalcides striatus	Low	High	Low	Low	Medium	Not	Not	Not	Not	Medium	Low	Low	Medium	Not	Not	Not
Coronella girondica	Low	Medium	Low	Low	Low	Low	Low	Low	Low	Low	High	Medium	Medium	Not	Not	Not
Elaphe quatuorlineata	Medium	Medium	Low	Low	Low	Medium	High	Not	Low	Medium	Low	High	Medium	Low	Low	Medium
Elaphe situla	High	Low	Low	Low	Medium	Medium	Medium	Not	Not	Low	Low	High	Low	Not	Not	Not
Emys orbicularis	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Euleptes europaea	High	Low	Medium	Medium	Medium	Medium	Medium	Low	Low	Low	Medium	High	Medium	Low	Medium	Low
Lacerta agilis	Medium	Medium	Low	Low	Low	Low	Not	Low	Low	High	Medium	Medium	Low	Not	Low	High
Lacerta bilineata	Medium	Medium	Medium	High	High	Medium	Not	Not	Not	Low	Low	High	High	Not	Low	Medium
Lacerta trilineata	Medium	Medium	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Not	High	High	Not	Low	Medium
Lacerta viridis	Medium	Medium	Medium	High	High	Medium	Not	Not	Not	Low	Low	High	High	Not	Low	Medium
Macroprotodon cucullatus	Medium	Low	Low	Low	Low	Low	Medium	Not	Low	Low	Low	High	Medium	Low	Medium	Medium
Mauremys caspica	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Mauremys leprosa	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Natrix maura	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Podarcis tiliguerta	Medium	Medium	Low	Low	Low	Low	Medium	Low	Low	Low	Low	High	Not	Not	Low	Low
Podarcis wagleriana	Medium	Low	Low	Medium	Medium	Medium	Low	Low	Low	Medium	Low	High	Medium	Not	Medium	Medium
Pseudopodus apodus	High	High	Low	Low	High	Medium	Low	Not	Not	High	Low	Medium	Not	Not	Not	Not
Rhinechis scalaris	Medium	High	Not	Low	Medium	Medium	High	Not	Low	Medium	Low	High	Not	Not	Not	Not
Telescopus fallax	Low	High	Low	Low	Low	Medium	High	Low	Low	Medium	Low	Medium	Low	Low	Low	Low
Testudo graeca	Medium	Low	Low	Low	Medium	Medium	Low	Low	Low	Low	Low	High	High	Low	Low	Medium
Testudo hermanni	Low	Medium	Low	Low	Low	Low	Low	Low	Low	Medium	High	Medium	Medium	Not	Not	Not
Testudo marginata	Medium	Low	Low	Low	Medium	Medium	Medium	Medium	Medium	Low	Low	High	High	Low	Low	Medium
Timon lepidus	Medium	Medium	Low	Low	Low	Medium	Low	Low	Low	Low	Medium	High	Medium	Low	Medium	Medium
Vipera ammodytes	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Low	Low	Low	Low	High	High
Vipera latastei	High	High	Low	Low	Medium	Medium	High	Medium	Low	Medium	Not	High	Medium	Not	Medium	High
Vipera ursinii	Not	High	Not	Not	Not	Not	Not	Not	Not	High	High	Not	Not	Not	Low	Medium
Zootoca vivipara	Not	Medium	Low	Low	Low	Low	Low	Low	Low	High	High	Low	Low	Not	Low	Medium

Reptiles

	334	335	411	412	421	422	423	511	512	521	522	523
Algyroides nigropunctatus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Archaeolacerta bedriagae	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Chalcides striatus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Coronella girondica	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Elaphe quatuorlineata	Not	Not	Low	Low	Not	Not	Not	Not	Not	Not	Not	Not
Elaphe situla	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Emys orbicularis	Not	Not	High	Low	Medium	Not	Not	High	High	Low	Low	Not
Euleptes europaea	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lacerta agilis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lacerta bilineata	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lacerta trilineata	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Lacerta viridis	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Macroprotodon cucullatus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Mauremys caspica	Not	Not	High	Low	Medium	Not	Not	High	High	Low	Low	Not
Mauremys leprosa	Not	Not	High	Low	Medium	Not	Not	High	High	Low	Low	Not
Natrix maura	Not	Not	High	Low	Medium	Not	Not	High	Medium	Low	Medium	Low
Podarcis tiliguerta	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Podarcis wagleriana	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Pseudopodus apodus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Rhinechis scalaris	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Telescopus fallax	Not	Not	Low	Low	Not	Not	Not	Not	Not	Not	Not	Not
Testudo graeca	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Testudo hermanni	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Testudo marginata	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Timon lepidus	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Vipera ammodytes	Not	Not	Low	Low	Not	Not	Not	Low	Medium	Not	Not	Not
Vipera latastei	Medium	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Vipera ursinii	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not	Not
Zootoca vivipara	Not	Not	Low	High	Low	Not	Not	Low	Medium	Not	Not	Not

Birds (water- and breedingbirds)

	Competition	Dead Wood	Disturbance	Even Aged	Flooding	Harvesting	Hunting	Persecution	Pollution	Powerlines	Predation	Toxic pollutants	Trampling	Younger felling age
Accipiter brevipes			High											
Aegypius monachus	High		High						High					
Alauda arvensis						High							High	
Alectoris barbara											High			
Alectoris chukar											High			
Alectoris graeca	High		High								High			
Alectoris rufa											High			
Anas acuta			High			High	High				High		High	
Anas clypeata											High			
Anas penelope			High				High							
Anas querquedula											High			
Anas strepera					High						High			
Anser erythropus	High		High					High			High	High		
Aquila chrysaetos			High					High	High					High
Aquila clanga			High	High										
Aquila heliaca			High						High					
Aquila pomarina			High	High										
Ardea purpurea			High											
Asio flammeus			High			High								
Athene noctua			High									High		
Aythya ferina					High						High			
Aythya fuligula					High						High			
Aythya nyroca					High						High			
Botaurus stellaris			High		High				High					
Branta bernicla			High				High							
Branta ruficollis			High											
Bubo bubo			High	High					High					
Burhinus oedicnemus			High			High					High	High	High	
Buteo rufinus			High						High		High	High		
Calandrella brachydactyla													High	
Calandrella rufescens													High	
Calidris alba											High			
Calidris canutus											High			
Calidris maritima											High			
Calidris minuta											High			
Caprimulgus europaeus				High							High			
Charadrius alexandrinus			High								High			
Chlamydotis undulata			High											
Chlidonias hybridus					High						High		High	
Chlidonias niger			High		High							High		
Ciconia ciconia									High					
Ciconia nigra			High	High										High
Circaetus gallicus			High	High					High					High
Circus cyaneus			High					High			High			
Circus macrourus			High											
Columba palumbus			High											
Coracias garrulus				High										
Corvus monedula														High

Birds (water- and breedingbirds)

	Competition	Dead Wood	Disturbance	Even Aged	Flooding	Harvesting	Hunting	Persecution	Pollution	Powerlines	Predation	Toxic pollutants	Trampling	Younger felling age
Coturnix coturnix						High					High			
Crex crex						High								
Cygnus columbianus			High				High		High	High				
Cygnus cygnus			High				High		High					
Elanus caeruleus												High		
Emberiza schoeniclus					High						High			
Falco biarmicus			High											
Falco cherrug			High											High
Falco eleonorae			High											
Falco naumanni												High		
Falco rusticolus	High							High		High				
Falco tinnunculus			High						High			High		
Falco vespertinus			High											
Fulica atra					High									
Gallinago media						High								
Gavia arctica			High		High									
Gavia stellata			High								High			
Glareola nordmanni			High		High						High	High	High	
Glareola pratincola			High		High	High					High	High	High	
Grus grus			High	High							High			
Gypaetus barbatus	High		High						High					
Haliaeetus albicilla			High					High		High				High
Ixobrychus minutus			High											
Jynx torquilla		High		High										
Lanius collurio				High										
Lanius excubitor			High								High			
Larus canus			High		High									
Larus minutus											High			
Limosa limosa						High					High		High	
Lullula arborea				High										
Melanitta fusca								High						
Mergus merganser											High			
Milvus migrans			High						High			High		
Milvus milvus			High	High					High			High		
Monticola saxatilis											High			
Monticola solitarius											High			
Motacilla flava						High							High	
Muscicapa striata				High										
Neophron percnopterus	High		High						High					
Netta rufina					High						High			
Numenius arquata			High			High	High	High					High	
Nyctea scandiaca			High					High						
Otis tarda			High			High			High		High	High	High	
Otus scops												High		
Pandion haliaetus			High											
Parus cristatus		High		High										
Perdix perdix											High			
Phalacrocorax pygmeus									High					

Birds (water- and breedingbirds)

	Competition	Dead Wood	Disturbance	Even Aged	Flooding	Harvesting	Hunting	Persecution	Pollution	Powerlines	Predation	Toxic pollutants	Trampling	Younger felling age
Phoenicurus phoenicurus														High
Phylloscopus sibilatrix				High										
Picoides tridactylus		High		High										
Picus canus		High		High										
Picus viridis		High		High										High
Podiceps auritus											High			
Podiceps cristatus			High								High			
Porzana pusilla			High											
Prunella modularis				High										
Pterocles alchata			High								High			
Pterocles orientalis			High								High			
Pyrrhocorax pyrrhocorax			High											
Recurvirostra avosetta			High		High						High			
Saxicola rubetra						High								
Scolopax rusticola				High										
Sterna sandvicensis			High											
Streptopelia turtur			High								High			
Sylvia borin				High										
Tetrao mlokosiewiczi			High								High			
Tetrao tetrix			High	High							High			
Tringa totanus					High	High					High		High	
Turdus viscivorus				High										
Tyto alba									High			High		
Vanellus vanellus						High							High	

Suitability, per species and per CLC

Birds

	21	24	231	312	313	322	323	324	331	332	333	411	412	421	422	423	511	512	521	522
Accipiter brevipes			Medium					High												
Acrocephalus paludicola									Medium			High						Medium		
Actitis hypoleucos																	High	High		
Aegypius monachus			Medium					High		High										
Alauda arvensis	High	Low	High			Medium			Medium		High		Medium	High						
Alcedo atthis																Low	High	Medium	Low	Medium
Alectoris barbara							High													
Alectoris chukar			High				Medium				High									
Alectoris graeca			High				High			High										
Alectoris rufa	Medium	High	Medium				High				High									
Anas acuta											Medium	High	High			High		High	High	High
Anas clypeata												High						High		
Anas penelope														High		Medium			High	High
Anas platyrhynchos																	High	High		
Anas querquedula												High						High		
Anas strepera																High		High	High	High
Anser erythropus			High								High							High		
Anthus campestris	Medium	High	High				Medium	Medium	Medium	High	High									
Aquila chrysaetos			High	Medium	Medium	High	High	High					High							
Aquila clanga				High	High							High					High	High		
Aquila heliaca			High		High			High			High									
Aquila pomarina		High	High		High			High												
Ardea purpurea												High						Medium		
Ardeola ralloides								High				High						High		
Arenaria interpres											High									
Asio flammeus	Medium	High	High			High			High		High		High	High					High	
Athene noctua	Medium	High	High				High				High									
Aythya ferina																		High		
Aythya fuligula																		High		
Aythya marila											High					High			High	High
Aythya nyroca												High						Medium	High	
Botaurus stellaris												High						Low		
Branta bernicla	Medium	Medium	Medium								High			High		High				High
Branta ruficollis	High	High																High		
Bubo bubo			Medium	Medium	Medium		Medium	Medium			High									
Bucephala clangula																	High	High		
Burhinus oedicnemus	Medium	Medium	High								High									
Buteo rufinus		Medium	Medium				High	High			High									
Calandrella brachydactyla			Medium				High				High									
Calandrella rufescens			Low								High									
Calidris alba											High									
Calidris alpina			High								High		High	High	Medium	High				High
Calidris canutus											High					High				High
Calidris maritima											High									
Calidris minuta											High									
Caprimulgus europaeus				Medium	Medium		High	High												
Carduelis cannabina	Medium	High	Medium				High	High			High									
Carduelis chloris	Medium	High	Medium	Medium	Medium		High	High												

Birds

	21	24	231	312	313	322	323	324	331	332	333	411	412	421	422	423	511	512	521	522
Carpodacus rubicilla			High							High										
Charadrius alexandrinus									High						High	High		Medium	High	High
Chlamydotis undulata			Medium								High									
Chlidonias hybridus												Medium					Low	High		
Chlidonias niger												High						High	High	
Ciconia ciconia		High	High								Medium	High					High	High		
Ciconia nigra				Medium	High		Medium	Medium				High					High			
Circaetus gallicus			Medium	Medium	Medium		High	High			High									
Circus cyaneus	Medium	Medium	High	applicable		High		High	Medium		High			Medium						
Circus macrourus			High								High									
Columba palumbus	Medium	High	Medium	High	High			High												
Coracias garrulus		High	High	Medium	Medium		High	High			High									
Corvus monedula	Medium	High	High		High						High									
Coturnix coturnix	High	High	High								Medium									
Crex crex			High									High								
Cygnus columbianus	Medium	High	High								High						Low	High	High	
Cygnus cygnus															Not applicable				High	High
Cygnus olor												High					Medium	High		
Elanus caeruleus	High	High	High																	
Emberiza cia			Low				High			High	High									
Emberiza citrinella	Low	High	Medium																	
Emberiza hortulana	Low	High	Medium	Medium			High	High												
Emberiza melanocephala			Medium				High				High									
Emberiza schoeniclus												High					Medium	Medium		
Erithacus rubecula	Low	High	Low	High	High		High	High												
Falco biarmicus			High				High				High									
Falco cherrug	Medium	High	High								High									
Falco eleonorae							High													
Falco naumanni		High	High								High									
Falco rusticolus											High									
Falco tinnunculus	Medium	High	High	Low	Low		High	Medium		High	Low									
Falco vespertinus	Medium	High	High	Low	Low						High									
Ficedula semitorquata					High			High												
Fringilla coelebs				High	High		High	High												
Fulica atra																	High	High		
Galerida cristata	Medium	High	Medium				High				High									
Galerida theklae			Low				High				High									
Gallinago media											High									
Gavia arctica											High		Medium					High		
Gavia stellata											High		Low					High		
Gelochelidon nilotica									Low			High		High	Medium	High		Medium	High	High
Glareola nordmanni		Medium	Medium								High						Low	Medium	Low	
Glareola pratincola	Medium	Medium	High								High						Low	Medium	High	
Grus grus	High		Medium	High	High						High	High	High					High		
Gypaetus barbatus			High				High			High										
Haliaeetus albicilla				Medium	Medium						High		Medium			Medium	High	High	Medium	High
Hippolais pallida	Low	Medium	Low				High	High			Low									
Hirundo rustica	Low	Medium	Medium									Medium					Medium	Medium		
Ixobrychus minutus												High					Medium	Medium		
Jynx torquilla				Low	Medium			High												

Birds

	21	24	231	312	313	322	323	324	331	332	333	411	412	421	422	423	511	512	521	522
Lanius collurio	Low	Medium	Low	Low	Low		Medium	High												
Lanius excubitor	Low	Medium	High	Medium			Medium	Medium			Medium		Medium							
Lanius minor	Low	Medium	High								High									
Lanius nubicus								High												
Lanius senator	Low	Medium	Low				High	High												
Larus canus	High	High	High			High			High		High		High				High	High		
Larus minutus																		High		
Larus ridibundus												High						High		
Limosa lapponica											High		High	Medium		High			Medium	High
Limosa limosa												High	High	High		High		High	High	High
Lullula arborea		High	Medium	Medium	Medium		High	High												
Lymnocryptes minimus											High	High	High	High		High		High	Medium	High
Melanitta fusca											High		High							
Melanocorypha calandra	Low	Low	Medium								High									
Mergus albellus				High													High	High		
Mergus merganser																	High	High		
Merops apiaster	Low	High	Medium				High				High						High			
Miliaria calandra	Medium	High	High								High									
Milvus migrans		Medium	Medium	Medium	Medium			Medium									High	High		
Milvus milvus		High	High	Medium	Medium		Medium	High			Medium									
Monticola saxatilis			Low				High			High										
Monticola solitarius							High			High										
Muscicapa striata				Low	High			High												
Neophron percnopterus			Medium				High			High	High									
Netta rufina												Medium			Medium			High	High	
Numenius arquata						High							High	High		High			Medium	High
Nyctea scandiaca											High									
Nycticorax nycticorax								High				High						High		
Oenanthe leucura							High													
Otis tarda	Low	Medium	High								Medium									
Otus scops	Low	High	Low				High	High												
Oxyura leucocephala																		High		
Pandion haliaetus				Medium	Medium			Medium								Not	High	High	High	High
Parus caeruleus				High	High			High												
Parus cristatus				High	High			Medium												
Passer montanus	Medium	High	Medium																	
Perdix perdix	Medium	High	Low								Low									
Perisoreus infaustus				High																
Phoenicurus phoenicurus				Medium	High			High												
Phylloscopus bonelli				Medium	Medium		High	High												
Phylloscopus sibilatrix				High	High															
Picoides tridactylus				High	Medium															
Picus canus				Medium	Medium															
Picus viridis			High	Low	Medium			High												
Platalea leucorodia								Medium				High		Medium		Medium		High	High	High
Plegadis falcinellus								High				High						High	High	
Pluvialis apricaria			High			High					High		Low							
Pluvialis squatarola											High									
Podiceps auritus																		High		
Podiceps cristatus																		High		

Birds

	21	24	231	312	313	322	323	324	331	332	333	411	412	421	422	423	511	512	521	522
Porzana pusilla												High								
Prunella modularis				High	High			High												
Pterocles alchata			Medium								High									
Pterocles orientalis											High									
Pyrrhocorax pyrrhocorax	Medium	High	High				High			High										
Recurvirostra avosetta															High	High		Medium	High	High
Regulus regulus				High	Medium															
Saxicola rubetra			High								Low									
Scolopax rusticola			Low	Medium	Medium		Low	High												
Sterna caspia									High						High				High	High
Sterna dougallii									High											
Sterna sandvicensis									High					Low					High	
Streptopelia turtur	Medium	High	Low		Medium			High												
Sturnus vulgaris	Medium	High	High								High									
Sylvia atricapilla				Low	Medium			High												
Sylvia borin				Medium	Medium			High												
Sylvia communis	Low	High	High																	
Sylvia undata							High													
Tadorna ferruginea			High								High						High	High	High	
Tetrao mlokosiewiczi			High																	
Tetrao tetrix			Medium	Medium	Medium	High							High							
Tringa erythropus											High		Medium							
Tringa glareola				Medium				High			Medium	High	Medium				High			
Tringa totanus						High						High	Medium	High	Medium	High		High		High
Turdus merula		High	Low	High	High		High	High												
Turdus philomelos		High	Low	High	High			High												
Turdus viscivorus		High	High	Medium	Medium															
Tyto alba			High				Medium													
Vanellus vanellus	Medium	High	High								High									

Benthic macro-invertebrates

	Water acidification
Adicella reducta	Not
Agapetus fuscipes gp.	High
Agapetus ochripes	High
Agrypnia obsoleta	Not
Alainites muticus	High
Amphinemoura standfussi	Not
Amphinemoura sulcicollis	Low
Ancylus fluviatilis	High
Anodonta sp.	Medium
Apatania stigatella	Not
Apatania zonella	Medium
Arcynopteryx compacta	Medium
Arthroplea congener	Not
Asellus meridianus	High
Astacus astacus	Medium
Atherix sp.	High
Athripsodes aterrimus	Not
Athripsodes bilineatus	High
Baetis lapponicus	High
Baetis macani	High
Baetis rhodani	High
Baetis scambus/fuscatus	High
Baetis subalpinus	High
Baetis vernus	Low
Bathyomphalus contortus	High
Brachyptera risi	Medium
Caenis luctuosa	High
Caenis rivulorum	High
Caenis robusta	High
Calopteryx virgo	Medium
Capnia atra	Medium
Capnia bifrons	Not
Capnia pygmaea	Medium
Capnia vidua**	Not
Capnopsis schilleri	Medium
Ceraclea annulicornis	High
Ceratopsyche silvenii	Medium
Chaetopteryx villosa	Not
Cheumatopsyche lepida	High
Chimarra marginata	High
Chloroperla tripunctata	High
Crangonyx pseudogracilis	Medium
Crenobia alpina	Low
Cyrnus flavidus	Not
Cyrnus insolutus	Not
Cyrnus trimaculatus	Not
Dicranota sp.	Not
Dinocras cephalotes	High
Diplectrona felix	High
Diura bicaudata	Not
Dixa sp.	High
Ecdyonurus sp.	High
Electrogena lateralis	High
Elmis aenea	High
Ephemera danica	High

Benthic macro-invertebrates

	Water acidification
Ephemerella aurivillii	Medium
Erpobdella octoculata	High
Erpobdella testacea	Medium
Esolus parallelepipedus	High
Galba truncatula	High
Gammarus lacustris	High
Gammarus pulex	High
Glossiphonia complanata	High
Glossosoma intermedium	High
Glyphotaelius pellucidus	Not
Goera pilosa	Low
Habrophlebia fusca	High
Halesus radiatus	Not
Helobdella stagnalis	High
Heptagenia dalecarlica	Medium
Heptagenia joernensis	High
Heptagenia sulphurea	High
Holocentropus dubius	Not
Hydracarina	High
Hydraena gracilis	High
Hydropsyche instabilis	High
Hydropsyche pellicidula	High
Hydropsyche siltalai	High
Hydroptila sp.	High
Isoperla difformis	Not
Isoperla grammatica	High
Kageronia fuscogrisea	Not
Lepidostoma hirtum	High
Lepidurus articus	High
Leptophlebia marginata	Not
Leptophlebia vespertina	Not
Leuctra digitata	Not
Leuctra fusca	High
Leuctra geniculata	High
Leuctra hippopus	Not
Leuctra inermis	Low
Leuctra nigra	Not
Limnebius truncatellatus	High
Limnephilus centralis	Not
Limnephilus extricatus	Not
Limnephilus flavicornis	Not
Limnephilus lunatus	Not
Limnephilus rhombicus	Not
Limnephilus stigma	Not
Limnephilus vittatus	Not
Limnius volckmari	High
Lype sp.	High
Metretopus borealis	High
Micrasema setiferum	Low
Micropterna lateralis	Not
Mystacides azurea	High
Mystacides longicornis/nigra	High
Nemotaulius punctatolineatus	Not
Nemoura avicularis	Not
Nemoura cineria	Not

Benthic macro-invertebrates

	Water acidification
Nemurella picteti	Not
Neureclipsis bimaculata	Not
Nigorbaetis digitatus	High
Nigrobaetis niger	Low
Notidobia ciliaris	Not
Odontocerum albicorne	High
Oecetis testacea	Low
Otomesostoma auditivum	Medium
Oulimnius sp.	Low
Paraleptophlebia standii	High
Paraleptophlebia submarginata	High
Parameletus chelifer	Medium
Perla bipunctata	High
Perlodes microcephala	High
Phagocata vitta	Not
Philopotamus montanus	High
Phryganea grandis	Not
Physa fontinalis	Medium
Pisidium sp.	High
Plectrocnemia conspersa	Not
Plectrocnemia geniculata	Not
Polycentropus flavomaculatus	Not
Polycentropus irroratus	Not
Polyceylis felina	Low
Potamophylax cingulatus	Not
Potamophylax lattipennis	Not
Potamopyrgus antipodarum	High
Procloeon bifidum	High
Protonemoura meyeri	Not
Protonemoura praecox	High
Radix balthica (L. peregra)	High
Rhithrogena sp.	High
Rhyacophila dorsalis	Low
Rhyacophila fasciata	Low
Rhyacophila munda	Low
Rhyacophila nubila	Not
Seratella ignita/ Ephemerella ignita	High
Sericostoma personatum	High
Sialis fuliginosa	High
Sialis lutaria	Low
Silo pallipes	High
Siphlonurus aestivalis	Medium
Siphlonurus alternatus	Medium
Siphlonurus linnaenus	Medium
Stenophylax permistus	Not
Tabanus gp.	Low
Taeniopteryx nebulosa	Not
Theromyzon tessulatum	High
Trianodes bicolor	Medium
Wormaldia subnigra	High
Xanthoperla apicalis	Low

Suitability, per species and per CLC

Butterflies

	11	22	24	31	32	33	41	131	132	141	231	311	312	313	321	322	323	332	411	412	511	512	521	522
Aglais urticae	Low	Medium							Not			Not		Not	Low									
Apatura ilia				Medium								High		Medium					Not					
Arethusana arethusa					Medium							Not			High			Not						
Argynnis adippe					Not							Low	Not	Low	High									
Argynnis niobe					Medium							Low		Low	Medium									
Aricia artaxerxes					Medium							Not		Not	High									
Aricia eumedon					Not		Not					Not			High				Not					
Boloria dia				Not	Not							Not		Not	High									
Boloria eunomia					Not		Low								Medium					Medium				
Boloria euphrosyne					Not							Low	Low	Low	Medium					Not				
Brenthis daphne		Not			Low							Low		Low	High									
Brenthis ino												Not		Not	High				Not					
Brintesia circe												Medium	Not	Low	Medium		Not	Not						
Callophrys rubi		Low			Low							Low	Not	Low	Not					Not				
Carcharodus alceae		Low			Low				Low			Not			High									
Carcharodus lavatherae					Low							Low			High		Not							
Carterocephalus palaemon												Medium	Not	Low	High									
Celastrina argiolus	Not	Medium		Not	Not							Medium		Low										
Coenonympha arcania		Not			Low							Low		Low	Medium									
Coenonympha hero							Not					Low		Low	High									
Coenonympha tullia					Not		High								Medium					Medium				
Colias palaeno					Low		Low						Low	Not	Not					High				
Cupido alcetas				Not	Low							Low	Not	Low	High									
Cupido argiades				Not	Not				Not		Not	Not			High									
Cupido minimus					Low							Not		Not	High									
Erebia aethiops					Not							Low	Medium	Medium	Low									
Erebia ligea					Low							Low	High	Medium										
Erebia manto				Not	High								Not											
Erebia meolans					High							Not	Not		Low									
Euphydryas maturna				Not								High		Low	Medium									
Glaucopsyche alexis					Low							Low			High									
Hamearis lucina					Not							Medium		Low	High									
Hesperia comma					Medium				Not						High									
Heteropterus morpheus				Not	Not							Not		Not	High				Not					
Hipparchia fagi					Low							Medium	Not	Not	Not			Not						
Hyponephele lycaon					Medium							Not	Not		Medium									
Iphiclides podalirius		Medium			Not							Low		Not	Low		Not							
Lampides boeticus		Low			Medium										Not		Low							
Lasiommata petropolitana					Low							Not	Medium	Medium	Not									
Limenitis populi		Not			Not							High		Medium	Not									
Limenitis reducta												High	Not	Low	Not		Not							
Lopinga achine				Not								High	Low	High										
Lycaena alciphron					Medium							Not			High									
Lycaena helle					Not		Not								High				Not					
Lycaena hippothoe					Low		Not								High									
Maculinea arion					Medium							Not	Not		High									
Melitaea britomartis					Low							Not			High									
Melitaea diamina					Not		Not								High									
Melitaea didyma					Medium							Not			High									
Melitaea parthenoides				Not	High		Not								High									
Melitaea phoebe					Low							Not			High									
Nymphalis antiopa		Low		Not								Medium	Low	Low										
Parnassius apollo					Medium	Not						Not	Not		Medium			Low						
Parnassius mnemosyne					Low							Medium		Not	High									
Plebeius argyrognomon			Not		Low						Not	Not			High									
Plebeius idas					High							Not		Low	Medium									
Plebeius optilete					Low								Medium							High				
Polyommatus amandus					Low						Not	Not			High									
Polyommatus bellargus					Medium							Not			High									
Polyommatus coridon					Medium							Not			High									

Butterflies

	11	22	24	31	32	33	41	131	132	141	231	311	312	313	321	322	323	332	411	412	511	512	521	522
Polyommatus damon					High							Low			High									
Polyommatus daphnis					Low							Not		Not	High									
Polyommatus dorylas					High							Low			High									
Polyommatus semiargus					Low				Not			Not		Not	High									
Polyommatus thersites					Medium				Not			Not			High		Not							
Pseudophilotes baton					High										High		Low							
Pyrgus alveus					High										High									
Pyrgus armoricanus					Medium										High									
Pyrgus carthami					Medium	Not						Not			High									
Satyrium acaciae					Medium							High		Low	Low									
Satyrium ilicis					Low							High		Low										
Satyrium pruni		Medium			Not							Medium		Low										
Satyrium w-album		Medium										High		Medium										
Scolitantides orion					Medium	Not						Not			Medium			Low						
Spialia sertorius					Medium										High									
Thymelicus acteon					Low							Low			High		Not							
Thymelicus sylvestris		Not			Low							Low		Not	High									

Dragonflies

	11	22	24	31	32	33	41	131	132	141	231	311	312	313	321	322	323	332	411	412	511	512	521	522
Aeshna affinis																						High		
Aeshna caerulea																High				High		High		
Aeshna crenata				High												High						High		
Aeshna cyanea										Low												Low		
Aeshna grandis				High																		High		
Aeshna isoceles																				High		High		
Aeshna juncea																High				High		High		
Aeshna mixta										Low												Low		Low
Aeshna serrata																						High		High
Aeshna subarctica																High				High		High		
Aeshna viridis																				High		High		
Anax ephippiger						High																High		
Anax imperator								Low		Low												Low		
Anax parthenope								Low														Low		
Boyeria cretensis				High																	High			
Boyeria irene				High																	High			
Brachythemis leucosticta																						High		
Brachytron pratense																				High		High		
Caliaeschna microstigma				High																	High			
Calopteryx haemorrhoidalis				High																	High			
Calopteryx splendens																					High			
Calopteryx virgo				High																	High			
Calopteryx xanthostoma																					High			
Ceriagrion georgfreyi																					High			
Ceriagrion tenellum																High				High		High		
Coenagrion armatum																				High		High		
Coenagrion caerulescens																					High			
Coenagrion hastulatum																High				High		High		
Coenagrion hylas																						High		
Coenagrion intermedium																					High			
Coenagrion johanssoni				High												High						High		
Coenagrion lunulatum																High				High		High		
Coenagrion mercuriale																					High			
Coenagrion ornatum																					High			
Coenagrion puella										Low												Low		
Coenagrion pulchellum																				High		High		
Coenagrion scitulum																						High		Low
Cordulegaster bidentata				High																	High			
Cordulegaster boltonii				High																	High			
Cordulegaster helladica				High																	High			
Cordulegaster heros				High																	High			
Cordulegaster insignis				High																	High			
Cordulegaster picta				High																	High			
Cordulegaster trinacriae				High																	High			
Cordulia aenea																				High		High		
Crocothemis erythraea								Low		Low												Low		Low
Diplacodes lefebvrii																						High		
Enallagma cyathigerum																High				High		High		
Epallage fatime																					High			
Epitheca bimaculata				High																		High		
Erythromma lindenii								Low													Low	Low		
Erythromma najas																				High		High		
Erythromma viridulum								Low		Low												Low		Low
Gomphus flavipes																					High			
Gomphus graslinii																					High			
Gomphus pulchellus								Low													Low	Low		
Gomphus schneiderii																					High			
Gomphus simillimus																					High			
Gomphus vulgatissimus																					High			
Ischnura elegans								Low		Low											Low	Low		Low
Ischnura genei																					High	High		
Ischnura graellsii																					High	High		

Dragonflies

	11	22	24	31	32	33	41	131	132	141	231	311	312	313	321	322	323	332	411	412	511	512	521	522
Ischnura pumilio																						High		
Lestes barbarus																						High		Low
Lestes dryas																High			High			High		
Lestes macrostigma																						High		High
Lestes parvidens				High																		High		
Lestes sponsa																High				High		High		
Lestes virens																High				High		High		
Lestes viridis				Low						Low											Low	Low		
Leucorrhinia albifrons				High												High				High		High		
Leucorrhinia caudalis				High																High		High		
Leucorrhinia dubia																High				High		High		
Leucorrhinia pectoralis				High																High		High		
Leucorrhinia rubicunda																High				High		High		
Libellula depressa										Low												Low		
Libellula fulva																				High	High	High		
Libellula quadrimaculata																High				High		High		
Lindenia tetraphylla																						High	High	
Macromia splendens				High																	High			
Nehalennia speciosa																High				High		High		
Onychogomphus costae						High															High			
Onychogomphus forcipatus																					High			
Onychogomphus uncatus																					High			
Ophiogomphus cecilia																					High			
Orthetrum albistylum																						High		
Orthetrum brunneum								Low													Low	Low		
Orthetrum cancellatum								Low		Low												Low		
Orthetrum chrysostigma						High															High	High		
Orthetrum coerulescens																High					High	High		
Orthetrum nitidinerve						High															High	High		
Orthetrum trinacria																						High		
Oxygastra curtisii				High																	High			
Paragomphus genei																					High	High		
Platycnemis acutipennis																					High			
Platycnemis latipes																					High			
Platycnemis pennipes																					Low	Low		
Pyrrhosoma elisabethae																					High			
Pyrrhosoma nymphula										Low						Low				Low	Low	Low		
Selysiothemis nigra																						High	High	
Somatochlora alpestris																High				High		High		
Somatochlora arctica																High				High		High		
Somatochlora borisi				High																	High			
Somatochlora flavomaculata																High			High			High		
Somatochlora meridionalis				High																	High			
Somatochlora metallica				High																	High	High		
Somatochlora sahlbergi																High				High		High		
Sympecma fusca																						High		
Sympecma paedisca																				High		High		
Sympetrum danae																High				High		High		
Sympetrum depressiusculum																						High		
Sympetrum flaveolum																			High			High		
Sympetrum fonscolombii								Low														Low	Low	
Sympetrum meridionale																						High		
Sympetrum nigrescens																						High		
Sympetrum pedemontanum																					High	High		
Sympetrum sanguineum										Low												Low		Low
Sympetrum sinaiticum						High															High	High		
Sympetrum striolatum										Low												Low		
Sympetrum vulgatum																						High		
Trithemis annulata								Low														Low	Low	
Zygonyx torridus																					High			

Corrine landcover classes

Code	Landcover
1	Artificial surfaces
11	Urban fabric
111	Continuous urban fabric
112	Discontinuous urban fabric
12	Industrial, comercial and transport units
121	Industrial or commercial units
122	Road and rail networks and associated land
123	Port areas
124	Airports
13	Mine, dump and construction sites
131	Mineral extraction sites
132	Dump sites
133	Construction sites
14	Artificial, non-agricultural vegetated areas
141	Green urban areas
142	Sport and leisure facilities
2	Agricultural areas
21	Arable land
211	Non-irrigated arable land
212	Permanently irrigated land
213	Rice fields
22	Permanent crops
221	Vineyards
222	Fruit trees and berry plantations
223	Olive groves
23	Pastures
231	Pastures
24	Heterogeneous agricultural areas
241	Annual crops associated with permanent crops
242	Complex cultivation patterns
243	Land principally occupied by agriculture, with significant areas of natural vegetation
244	Agro-forestry areas
3	Forest and seminatural areas
31	Forests
311	Broad-leaved forest
312	Coniferous forest
313	Mixed forest
32	Scrub and/or herbaceous vegetation associations
321	Natural grasslands
322	Moors and heathland
323	Sclerophyllous vegetation
324	Transitional woodland-shrub
33	Open spaces with little or no vegetation
331	Beaches, dunes, sands
332	Bare rocks
333	Sparsely vegetated areas
334	Burnt areas
335	Glaciers and perpetual snow
4	Wetlands
41	Inland wetlands
411	Inland marshes
412	Peat bogs
42	Maritime wetlands
421	Salt marshes
422	Salines
423	Intertidal flats
5	Water bodies
51	Inland waters
511	Water courses
512	Water bodies
52	Marine waters
521	Coastal lagoons
522	Estuaries
523	Sea and ocean

Freshwater fish

	Bottom substrate changes	Disease organisms or parasites	Fragmentation	Harvesting	Introduction of non-native species or genotypes	Permanent water surface	Shore line boundary zone changes	Temporary water availability	Water acidification	Water eutrophication	Water pollution	Water siltation	Water temperature	Water transparency	Waterflow (reduced)
Abramis ballerus	Medium	High	Low	Medium	Low	High	Medium	High	High	Low	Low	Medium	Medium	Low	Medium
Abramis brama	Medium	High	Low	Medium	Low	High	Medium	High	High	Low	Low	Medium	Medium	Low	Medium
Abramis sapa	Medium	High	High	Medium	Low	High	Medium	High	High	High	Medium	Medium	Medium	Low	Medium
Acipenser guldenstaedti	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	High
Acipenser naccarii	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	High
Acipenser nudiventris	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	High
Acipenser rutheneus	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	Medium
Acipenser stellatus	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	High
Acipenser sturio	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	High
Alburnoides bipunctatus	Medium	High	Low	Medium	Low	High	Medium	High	High	Medium	Medium	Medium	Medium	Medium	Medium
Alburnus albidus	Low	High	Medium	Medium	High	High	Low	High	High	Low	Low	Low	Medium	Low	Medium
Alburnus alburnus	Low	High	Low	Medium	Low	High	Low	High	High	Medium	Medium	Low	Medium	Medium	Medium
Alosa alosa	Low	High	High	Medium	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	Medium
Alosa caspia	Low	High	High	Medium	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	High
Alosa fallax	Low	High	High	Medium	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	High
Alosa macedonica	Low	High	Medium	High	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	High
Alosa maeotica	Low	High	Medium	High	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	High
Alosa pontica	Low	High	High	Medium	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	High
Anaecypris hispanica	Low	High	Medium	High	High	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Anguilla anguilla	Low	High	Medium	High	Low	Low	Low	High	Medium	Low	Low	Low	Low	Low	Low
Aphanius fasciatus	Low	High	Low	Low	Low	High	Low	High	Low	Low	Medium	Medium	Medium	Low	Low
Aphanius iberus	Low	High	Low	Low	Low	High	Low	High	Low	Low	Medium	Medium	Medium	Low	Low
Aspius aspius	Low	High	High	Medium	Medium	High	Low	High	High	High	High	Medium	Medium	Low	Medium
Aulopyge hugeli	Low	High	Medium	High	High	High	Low	High	Medium	High	High	Medium	Medium	Low	Medium
Barbatula barbatula	Medium	High	Medium	Medium	Medium	High	Medium	High	High	High	High	High	High	Medium	Low
Barbus albanicus	Low	High	Low	Medium	Medium	High	Medium	High	High	Medium	Medium	Low	Medium	Low	Medium
Barbus balcanicus	Low	High	Low	Medium	Medium	High	Medium	High	High	Medium	Medium	Low	Medium	Low	Medium
Barbus barbus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus bocagei	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Low	Medium	Low	Medium	Low	Medium
Barbus caninus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus carpathicus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus comizo	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Low	Medium	Low	Medium	Low	Medium
Barbus cyclolepis	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Low	Medium	Low	Medium	Low	Medium
Barbus euboicus	Low	High	Low	High	Medium	High	Medium	High	Medium	High	High	Low	Medium	Low	High
Barbus graecus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus graellsi	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus guiraonis	Low	High	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus haasi	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus macedonicus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus meridionalis	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus microcephalus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus plebejus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus sclateri	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus steindachneri	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Barbus tyberinus	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Benthophilus stellatus	Low	High	Low	High	Medium	High	Low	High	Medium	Medium	Medium	Low	Medium	Low	Medium
Blicca björkna	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Low	Medium	Low	Medium	Low	Medium
Carassius auratus	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Low	Low	Medium	Low	Low
Carassius carassius	Low	High	Not	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Chalcaburnus chalcoides	Low	High	High	Medium	High	High	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium
Chondrostoma arcasii	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma arrigonis	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Chondrostoma duriense	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma genei	Low	High	Medium	Medium	High	High	Medium	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Chondrostoma knerii	Low	High	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma lemmingii	Low	High	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma lusitanicum	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma miegii	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium

Freshwater fish

	Bottom substrate changes	Disease organisms or parasites	Fragmentation	Harvesting	Introduction of non-native species or genotypes	Permanent water surface	Shore line boundary zone changes	Temporary water availability	Water acidification	Water eutrophication	Water pollution	Water siltation	Water temperature	Water transparency	Waterflow (reduced)
Chondrostoma nasus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma oligolepis	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma oxyrhynchum	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma phoxinus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma polylepis	Low	High	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma prespense	Low	High	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma soetta	Low	High	High	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma toxostoma	Low	High	High	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma vardarense	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Chondrostoma willkommi	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Clupeonella cultriventris	Low	High	High	Medium	Medium	High	Low	High	Medium	Medium	High	Low	Medium	Low	High
Cobitis arachthosensis	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis bilineata	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis calderoni	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis elongata	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis elongatoides	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis hellenica	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis paludica	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis punctilineata	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis stephanidisi	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis strumicae	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis taenia	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis trichonica	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Cobitis vardarensis	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Coregonus albula	Medium	High	Medium	Medium	Low	High	Medium	High	High	Medium	Medium	High	Medium	Medium	Medium
Coregonus lavaretus	Medium	High	Medium	Medium	Medium	High	Medium	High	High	Medium	Medium	High	Medium	Low	Medium
Cottus gobio	High	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	High	Medium	Low	High
Cottus poecilopus	High	High	Medium	Medium	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium
Cyprinus carpio	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Economidichthys pygmaeus	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Economidichthys trichonomis	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Esox lucius	Low	High	Low	Medium	Low	High	Low	High	Medium	Low	Low	Low	Low	Low	Low
Eudontomyzon danfordi	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium	High
Eudontomyzon hellenicus	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Eudontomyzon mariae	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Eudontomyzon vladykovi	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Gasterosteus aculeatus	Low	High	Medium	Medium	Medium	High	Low	High	Low	Low	Medium	Medium	Medium	Low	Low
Gobio gobio	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Low
Gobio obtusirostris	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Low
Gymnocephalus acerina	Low	High	Medium	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Gymnocephalus baloni	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Gymnocephalus cernuus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Gymnocephalus schraetser	Low	High	Medium	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Hucho hucho	High	High	High	High	High	High	Medium	High	High	Medium	High	High	Medium	Medium	High
Hucho taimen	High	High	Medium	High	High	High	Medium	High	High	Medium	High	High	Medium	Medium	High
Huso huso	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Medium	High
Iberocypris palaciosi	Low	High	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia caucasica	Low	High	High	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia croatica	Low	High	High	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia goerneri	Low	High	High	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia longecaudata	Low	High	High	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia milleri	Low	High	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia mrakovcici	Low	High	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia panizzae	Low	High	High	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Knipowitschia punctatissima	High	High	High	High	Medium	High	High	High	Medium	Medium	Medium	High	High	Low	High
Knipowitschia thessala	Low	High	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Lampetra fluviatilis	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Lampetra japonica	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium

Freshwater fish

	Bottom substrate changes	Disease organisms or parasites	Fragmentation	Harvesting	Introduction of non-native species or genotypes	Permanent water surface	Shore line boundary zone changes	Temporary water availability	Water acidification	Water eutrophication	Water pollution	Water siltation	Water temperature	Water transparency	Waterflow (reduced)
Lampetra planeri	Medium	High	Medium	Low	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Low
Lampetra zanandreai	Medium	High	Medium	Low	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Low
Leucaspius delineatus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus danilewskii	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus idus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus lehmanni	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus leuciscus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus microlepis	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus montenigrinus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus polylepis	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus souffia	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus svallize	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus turskyi	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Leuciscus ukliva	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Lota lota	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	High	Medium	High	Low	Medium
Mesogobius batrachocephalus	Low	High	High	Medium	Medium	High	Medium	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Misgurnus fossilis	Low	High	Not	Medium	Medium	Low	Low	Low	Medium	Medium	High	Low	Medium	Low	Low
Neogobius fluviatilis	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Neogobius melanostomus	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Oncorhynchus clarki	High	High	Medium	Medium	High	High	High	High	High	Medium	High	High	Medium	Medium	Medium
Oncorhynchus gorbuscha	High	High	High	Medium	Low	High	Medium	High	High	Medium	High	High	Medium	Medium	Medium
Oncorhynchus mykiss	High	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	High	Medium	Medium	Medium
Osmerus eperlanus	Medium	High	Medium	Medium	Medium	High	Medium	High	High	Medium	Medium	High	Medium	Medium	Medium
Pachychildon macedonicum	Low	High	Low	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Pachychildon pictum	Low	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Padogobius bonelli	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Padogobius martensii	Low	High	Medium	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	High
Padogobius nigricans	Low	High	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	High	Low	Medium
Pelecus cultratus	Low	High	Medium	Medium	Medium	Low	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Low
Perca fluviatilis	Medium	High	Low	Medium	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Low	Medium
Percarina demidoffi	Low	High	Medium	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Petroleuciscus borysthenicus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Petromyzon marinus	Medium	High	High	Medium	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Phoxinellus adspersus	Low	High	Medium	High	Medium	High	Low	High	Medium	High	Medium	Medium	Medium	Low	Medium
Phoxinellus alepidotus	Low	High	Medium	High	Medium	High	Low	High	Medium	High	High	Medium	Medium	Low	Medium
Phoxinellus croaticus	Low	High	Medium	High	High	High	Low	High	Medium	High	Medium	Medium	Medium	Low	Medium
Phoxinellus epiroticus	Low	High	Medium	Medium	High	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Phoxinellus fontinalis	Low	High	Medium	High	High	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Phoxinellus ghetaldii	Low	High	Medium	High	High	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Phoxinellus metohiensis	Low	High	Medium	High	Medium	High	Low	High	Medium	High	High	Medium	Medium	Low	Medium
Phoxinellus pstrossii	Low	High	Medium	High	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Phoxinus percnurus	Low	High	Low	Medium	Medium	High	High	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Phoxinus phoxinus	Low	High	Low	Medium	Medium	High	Low	High	Medium	High	Medium	Medium	Medium	Low	Medium
Pomatoschistus canestrini	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	High	Medium	Medium	Low	Medium
Proterorhinus marmoratus	Low	High	Low	High	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Pseudophoxinus prespensis	Low	High	Low	High	High	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Pseudorasbora parva	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Pungitius hellenicus	Medium	High	Low	High	Low	High	High	High	Low	Low	Medium	Low	Medium	Low	Low
Pungitius platygaster	Medium	High	Low	High	Low	High	High	High	Low	Low	Medium	Low	Medium	Low	Low
Pungitius pungitius	Medium	High	Low	High	Low	High	High	High	Low	Low	Medium	Low	Medium	Low	Low
Rhodeus amarus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Rhodeus sericeus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Romanichthys valsanicola	Medium	High	High	High	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Medium	High
Romanogobio albipinnatus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Romanogobio benacensis	Medium	High	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Romanogobio elimeius	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Romanogobio kesslerii	Low	High	High	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Romanogobius uranoscopus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium

Freshwater fish

	Bottom substrate changes	Disease organisms or parasites	Fragmentation	Harvesting	Introduction of non-native species or genotypes	Permanent water surface	Shore line boundary zone changes	Temporary water availability	Water acidification	Water eutrophication	Water pollution	Water siltation	Water temperature	Water transparency	Waterflow (reduced)
Rutilus alburnoides	Low	High	Medium	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus aula	Low	High	Medium	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus basak	Low	High	Medium	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus frisii	Low	High	Medium	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus karamani	Low	High	Medium	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus meidingerii	Low	High	Low	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus ohridanus	Low	High	Low	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus pigus	Low	High	Low	Medium	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus rubilio	Low	High	Low	High	Medium	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus rutilus	Low	High	Low	Medium	Low	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Rutilus ylikiensis	Low	High	Low	Medium	Low	High	Low	High	High	Medium	Medium	Medium	Medium	Low	Medium
Sabanejewia aurata	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Salaria fluviatilis	Low	High	Medium	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Salmo marmorata	High	High	High	Medium	High	High	High	High	High	Medium	High	High	Medium	Medium	Low
Salmo salar	High	High	High	Medium	High	High	Medium	High	High	Medium	High	High	Medium	Medium	High
Salmo trutta	High	High	Medium	Medium	Medium	Medium	High	High	High	Medium	High	High	Medium	Medium	Low
Salmothymus obtusirostris	High	High	High	Medium	High	High	High	High	High	Medium	High	High	Medium	Medium	Low
Salvelinus alpinus	High	High	Medium	Medium	High	High	Medium	High	High	Medium	Medium	High	Medium	Low	Medium
Salvelinus fontinalis	High	High	Medium	Medium	Medium	Medium	Medium	High	Medium	Medium	Medium	High	Medium	Low	Low
Salvelinus namaycush	High	High	Medium	Medium	Medium	High	Medium	High	High	Medium	Medium	High	Medium	Low	Medium
Sander lucioperca	Medium	High	Medium	Medium	High	High	Medium	High	Medium	Medium	High	Medium	Medium	Low	Medium
Sander volgensis	Medium	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Scardinius acarnanicus	Low	High	Low	High	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Scardinius erythrophthalmus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Low	Low	Low
Scardinius graecus	Low	High	Low	High	Medium	High	Low	High	Medium	Medium	Medium	Medium	Low	Low	Low
Scardinius hesperidicus	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Low	Low	Low
Scardinius scardafa	Low	High	Low	High	Medium	High	Low	High	Medium	Medium	Medium	Medium	Low	Low	Low
Silurus aristotelis	Low	High	Medium	High	Low	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Silurus glanis	Low	High	Medium	High	Low	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	High
Squalius carolitertii	Low	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius cephalus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius illyricus	Low	High	High	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius keadicus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius laietanus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius lucumonis	Low	High	Medium	Medium	High	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius pyrenaicus	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Squalius zrmanjae	Low	High	Medium	Medium	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Telestes pleurobipunctatus	Low	High	Low	High	Medium	High	Low	High	Medium	Low	Medium	Medium	Medium	Low	Medium
Thymallus thymallus	Medium	High	High	Medium	Medium	High	Medium	High	High	High	High	High	Medium	Medium	Low
Tinca tinca	Low	High	Low	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Low	Low	Low
Triglopsis quadricornis	Low	High	Low	Low	Low	High	Low	High	Low	Low	Medium	Medium	High	Low	Low
Tropidophoxinellus hellenicu	Low	High	Low	Medium	Medium	High	Low	High	Medium	Low	Medium	Medium	Low	Low	Low
Tropidophoxinellus spartiatic	Low	High	Low	Medium	Medium	High	Low	High	Medium	Medium	Medium	Medium	Low	Low	Low
Umbra krameri	Low	High	Low	Low	Low	Medium	Low	Medium	Medium	Low	Medium	Low	Medium	Low	Low
Umbra pygmaea	Low	High	Low	Low	Low	Medium	Low	Medium	Medium	Low	Low	Low	Medium	Low	Low
Valencia hispanica	Low	High	Low	Low	High	High	Low	High	Low	Low	Medium	Medium	Medium	Low	Low
Valencia letourneauxi	Low	High	Low	Low	High	High	Low	High	Low	Low	Medium	Medium	Medium	Low	Low
Vimba melanopsis	Low	High	Low	High	Medium	High	Low	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Vimba vimba	Low	High	High	High	Medium	High	Low	High	Medium	Medium	High	Medium	Medium	Low	Medium
Zingel asper	Medium	High	High	High	Medium	High	Medium	High	Medium	High	High	Medium	High	Low	Medium
Zingel streber	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	Medium	Medium	Medium	Low	Medium
Zingel zingel	Medium	High	Medium	High	Medium	High	Medium	High	Medium	Medium	High	Medium	Medium	Low	Medium

Suitability, per species and per CLC

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Abies alba Miller													High	High	High	
Achyranthes sicula (L.) All.	High	High		High	High	High	High	High	High	High	High	High				
Aconitum anthora L.													High	High	High	
Aconitum burnatii G yer			High													High
Aconitum napellus L.			High										High	High	High	High
Aconitum variegatum L.			High										High	High	High	High
Actaea spicata L.			High										High	High	High	High
Adiantum capillus-veneris L.																
Adonis aestivalis L.	High	High		High	High	High	High	High	High	High	High	High				
Adonis annua L.	High	High		High	High	High	High	High	High	High	High	High				
Adonis flammea Jacq.	High	High		High	High	High	High	High	High	High	High	High				
Adonis microcarpa DC.	High	High		High	High	High	High	High	High	High	High	High				
Adonis vernalis L.			High										High	High	High	High
Agrostemma githago L.	High	High		High	High	High	High	High	High	High	High	High				
Aizoon hispanicum L.	High	High		High	High	High	High	High	High	High	High	High	High			
Alchemilla filicaulis																
Alchemilla glabra													High			
Alchemilla xanthochlora																
Aldrovanda vesiculosa L.																
Alliaria petiolata (Bieb.) Cavara & Grande			High										High	High	High	High
Allium angulosum L.			High													High
Allium ursinum L.													High	High	High	
Alnus cordata (Loisel.) Loisel.													High	High	High	
Alnus glutinosa (L.) Gaertner													High	High	High	
Alnus incana (L.) Moench													High	High	High	
Alnus viridis (Chaix) DC.													High	High	High	
Alopecurus pratensis L.			High													High
Amaranthus albus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus blitoides S. Watson	High	High		High	High	High	High	High	High	High	High	High	High			
Amaranthus cruentus L.	High	High		High	High	High	High	High	High	High	High	High		High		
Amaranthus deflexus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus graecizans L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus hybridus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus lividus L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Amaranthus muricatus (Gillies ex Moq.) Hieron.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	

Suitability, per species and

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Abies alba Miller													
Achyranthes sicula (L.) All.													
Aconitum anthora L.	High												
Aconitum burnatii G yer													
Aconitum napellus L.													
Aconitum variegatum L.	High												
Actaea spicata L.	High												
Adiantum capillus-veneris L.					High	High							
Adonis aestivalis L.													
Adonis annua L.													
Adonis flammea Jacq.													
Adonis microcarpa DC.													
Adonis vernalis L.													
Agrostemma githago L.													
Aizoon hispanicum L.			High	High									
Alchemilla filicaulis			High										
Alchemilla glabra			High										
Alchemilla xanthochlora			High										
Aldrovanda vesiculosa L.												High	High
Alliaria petiolata (Bieb.) Cavara & Grande	High												
Allium angulosum L.													
Allium ursinum L.													
Alnus cordata (Loisel.) Loisel.													
Alnus glutinosa (L.) Gaertner													
Alnus incana (L.) Moench													
Alnus viridis (Chaix) DC.													
Alopecurus pratensis L.												High	High
Amaranthus albus L.													
Amaranthus blitoides S. Watson			High										
Amaranthus cruentus L.													
Amaranthus deflexus L.													
Amaranthus graecizans L.													
Amaranthus hybridus L.													
Amaranthus lividus L.			High										
Amaranthus muricatus (Gillies ex Moq.) Hieron.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Amaranthus powellii S. Watson	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus retroflexus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus viridis L.	High	High		High	High	High	High	High	High	High	High	High				
Amelanchier ovalis Medicus													High	High	High	
Ammophila arenaria (L.) Link																
Anacamptis pyramidalis (L.) L.C.M. Richard			High													High
Anchusa arvensis														High	High	
Andromeda polifolia L.													High	High	High	
Anemone apennina L.													High	High	High	
Anemone baldensis L.			High													High
Anemone coronaria L.	High	High		High	High	High	High	High	High	High	High	High				
Anemone hortensis L.			High													High
Anemone narcissifolia L.			High													High
Anemone nemorosa L.			High										High	High	High	High
Anemone palmata L.			High													High
Anemone pavonina Lam.	High	High	High	High	High	High	High	High	High	High	High	High				High
Anemone ranunculoides L.			High										High	High	High	High
Anemone sylvestris L.			High										High	High	High	High
Anemone trifolia L.			High										High	High	High	High
Angelica sylvestris L.			High										High	High	High	High
Anogramma leptophylla (L.) Link																
Anthericum ramosum L.			High										High	High	High	High
Anthoxanthum odoratum L.			High										High	High	High	High
Anthyllis vulneraria L.			High										High	High	High	High
Aptenia cordifolia (L. fil.) Schwantes													High			
Aquilegia alpina L.			High													High
Aquilegia bertolonii Schott																
Aquilegia einseleana F.W. Schultz			High										High	High	High	High
Aquilegia ottonis Orph. ex Boiss.																
Aquilegia vulgaris L.			High										High	High	High	High
Arabis hirsuta (L.) Scop.			High										High	High	High	High
Arabis hirsuta subsp. planisiliqua													High			
Arceuthobium oxycedri (DC.) Bieb.			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Amaranthus powellii S. Watson												High	High
Amaranthus retroflexus L.												High	High
Amaranthus viridis L.													
Amelanchier ovalis Medicus	High												
Ammophila arenaria (L.) Link				High									
Anacamptis pyramidalis (L.) L.C.M. Richard				High									
Anchusa arvensis			High										
Andromeda polifolia L.	High						High	High					
Anemone apennina L.													
Anemone baldensis L.													
Anemone coronaria L.													
Anemone hortensis L.													
Anemone narcissifolia L.	High												
Anemone nemorosa L.	High												
Anemone palmata L.													
Anemone pavonina Lam.													
Anemone ranunculoides L.	High												
Anemone sylvestris L.													
Anemone trifolia L.													
Angelica sylvestris L.													
Anogramma leptophylla (L.) Link					High	High							
Anthericum ramosum L.													
Anthoxanthum odoratum L.	High			High			High	High					
Anthyllis vulneraria L.	High			High									
Aptenia cordifolia (L. fil.) Schwantes									High	High	High		
Aquilegia alpina L.					High	High							
Aquilegia bertolonii Schott					High	High							
Aquilegia einseleana F.W. Schultz					High	High							
Aquilegia ottonis Orph. ex Boiss.					High	High							
Aquilegia vulgaris L.					High	High							
Arabis hirsuta (L.) Scop.					High	High							
Arabis hirsuta subsp. planisiliqua													
Arceuthobium oxycedri (DC.) Bieb.		High		High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Arenaria balearica L.																
Arenaria biflora L.			High													High
Arenaria ciliata L.			High													High
Arenaria grandiflora L.			High													High
Arenaria norvegica Gunnerus																
Arenaria serpyllifolia L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Aristolochia clematitis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Aristolochia pallida Willd.			High										High	High	High	High
Aristolochia rotunda L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Arthrocnemum fruticosum (L.) Moq.																
Arthrocnemum macrostachyum (Moric.) C. Koch																
Asarum europaeum L.													High	High	High	
Asplenium adiantum-nigrum L.																
Asplenium adulterinum Milde																
Asplenium ceterach L.																
Asplenium cuneifolium Viv.																
Asplenium fissum Kit. ex Willd.																
Asplenium fontanum (L.) Bernh.																
Asplenium lepidum C. Presl																
Asplenium marinum L.																
Asplenium obovatum Viv.																
Asplenium onopteris L.																
Asplenium ruta-muraria L.													High	High	High	
Asplenium sagittatum (DC.) Bange																
Asplenium scolopendrium L.													High	High	High	
Asplenium seelosii Leybold																
Asplenium septentrionale (L.) Hoffm.																
Asplenium trichomanes L.																
Asplenium trichomanes-ramosum L.																
Athyrium distentifolium Tausch ex Opiz			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Arenaria balearica L.					High	High							
Arenaria biflora L.													
Arenaria ciliata L.					High	High							
Arenaria grandiflora L.													
Arenaria norvegica Gunnerus					High	High			High	High	High		
Arenaria serpyllifolia L.				High									
Aristolochia clematitis L.	High												
Aristolochia pallida Willd.													
Aristolochia rotunda L.												High	High
Arthrocnemum fruticosum (L.) Moq.									High	High	High		
Arthrocnemum macrostachyum (Moric.) C. Koch		High							High	High	High		
Asarum europaeum L.	High												
Asplenium adiantum-nigrum L.					High	High							
Asplenium adulterinum Milde					High	High							
Asplenium ceterach L.					High	High							
Asplenium cuneifolium Viv.					High	High							
Asplenium fissum Kit. ex Willd.					High	High							
Asplenium fontanum (L.) Bernh.					High	High							
Asplenium lepidum C. Presl					High	High							
Asplenium marinum L.					High	High			High	High	High		
Asplenium obovatum Viv.					High	High			High	High	High		
Asplenium onopteris L.					High	High			High	High	High		
Asplenium ruta-muraria L.					High	High							
Asplenium sagittatum (DC.) Bange					High	High							
Asplenium scolopendrium L.					High	High							
Asplenium seelosii Leybold					High	High							
Asplenium septentrionale (L.) Hoffm.					High	High							
Asplenium trichomanes L.					High	High							
Asplenium trichomanes-ramosum L.					High	High							
Athyrium distentifolium Tausch ex Opiz	High											High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Athyrium filix-femina (L.) Roth			High										High	High	High	High
Atriplex calotheca (Rafn) Fries																
Atriplex glabriuscula Edmondston																
Atriplex halimus L.																
Atriplex laciniata L.																
Atriplex littoralis L.																
Atriplex longipes Drejer																
Atriplex micrantha Ledeb.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex nitens Schkuhr	High	High		High	High	High	High	High	High	High	High	High				
Atriplex oblongifolia Waldst. & Kit.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex patula L.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex pedunculata														High		
Atriplex portulacoides														High		
Atriplex prostrata (Boucher) ex DC.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex rosea L.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex tatarica L.	High	High		High	High	High	High	High	High	High	High	High				
Azolla filiculoides Lam.																
Bassia hirsuta (L.) Ascherson																
Bassia laniflora (S. G. Gmelin) A. J. Scott	High	High		High	High	High	High	High	High	High	High	High				
Bassia prostrata (L.) A. J. Scott																
Bassia scoparia (L.) A. J. Scott	High	High		High	High	High	High	High	High	High	High	High				
Berberis vulgaris L.													High	High	High	
Beta trigyna Waldst. & Kit.	High	High	High	High	High	High	High	High	High	High	High	High				High
Beta vulgaris L.																
Betula humilis Schrank																
Betula nana L.													High	High	High	
Betula pendula Roth			High										High	High	High	High
Betula pubescens Ehrh.			High										High	High	High	High
Biscutella laevigata L.			High										High	High	High	High
Blechnum spicant (L.) Roth													High	High	High	
Botrychium lanceolatum (S.G. Gmelin) ?ngstr"m			High													High
Botrychium lunaria (L.) Swartz			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Athyrium filix-femina (L.) Roth	High											High	High
Atriplex calotheca (Rafn) Fries									High	High	High		
Atriplex glabriuscula Edmondston									High	High	High		
Atriplex halimus L.									High	High	High		
Atriplex laciniata L.									High	High	High		
Atriplex littoralis L.									High	High	High		
Atriplex longipes Drejer									High	High	High		
Atriplex micrantha Ledeb.													
Atriplex nitens Schkuhr													
Atriplex oblongifolia Waldst. & Kit.													
Atriplex patula L.									High	High	High	High	High
Atriplex pedunculata			High										
Atriplex portulacoides													
Atriplex prostrata (Boucher) ex DC.									High	High	High	High	High
Atriplex rosea L.									High	High	High		
Atriplex tatarica L.													
Azolla filiculoides Lam.												High	High
Bassia hirsuta (L.) Ascherson									High	High	High		
Bassia laniflora (S. G. Gmelin) A. J. Scott				High									
Bassia prostrata (L.) A. J. Scott									High	High	High		
Bassia scoparia (L.) A. J. Scott													
Berberis vulgaris L.	High	High											
Beta trigyna Waldst. & Kit.													
Beta vulgaris L.									High	High	High		
Betula humilis Schrank							High	High				High	High
Betula nana L.	High						High	High					
Betula pendula Roth	High												
Betula pubescens Ehrh.												High	High
Biscutella laevigata L.				High	High	High							
Blechnum spicant (L.) Roth													
Botrychium lanceolatum (S.G. Gmelin) ?ngstr"m													
Botrychium lunaria (L.) Swartz	High			High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Botrychium matricariifolium (Retz.) A. Braun ex Koch			High													High
Botrychium multifidum (S.G. Gmelin) Rupr.			High													High
Botrychium simplex E. Hitchc.			High													High
Botrychium virginianum (L.) Swartz			High													High
Brachypodium pinnatum (L.) Beauv.			High										High	High	High	High
Brachypodium sylvaticum (Hudson) Beauv.			High										High	High	High	High
Brassica oleracea L.	High	High		High	High	High	High	High	High	High	High	High				
Briza media L.			High													High
Bromus bromoideus													High			
Bromus erectus Hudson			High													High
Bromus hordeaceus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cakile maritima Scop.																
Calamagrostis canescens (Weber) Roth			High										High	High	High	High
Calamagrostis epigejos (L.) Roth	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Calluna vulgaris (L.) Hull			High										High	High	High	High
Caltha palustris L.			High										High	High	High	High
Caltha palustris subsp. araneosa													High	High	High	
Campanula serrata (Kit.) Hendrych			High										High	High	High	High
Camphorosma monspeliaca L.			High													High
Capparis spinosa L.																
Cardamine amara L.													High	High	High	
Cardamine pratensis L.			High										High	High	High	High
Carex acuta L.			High										High	High	High	High
Carex cespitosa													High		High	
Carex diandra Schrank			High													High
Carex oederi subsp. pulchella													High			
Carex remota L.													High	High	High	
Carex rostrata Stokes			High													High
Carpinus betulus L.													High	High	High	
Carpinus orientalis Miller													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Botrychium matricariifolium (Retz.) A. Braun ex Koch				High									
Botrychium multifidum (S.G. Gmelin) Rupr.													
Botrychium simplex E. Hitchc.	High			High									
Botrychium virginianum (L.) Swartz	High												
Brachypodium pinnatum (L.) Beauv.	High												
Brachypodium sylvaticum (Hudson) Beauv.	High												
Brassica oleracea L.									High	High	High		
Briza media L.	High												
Bromus bromoideus													
Bromus erectus Hudson													
Bromus hordeaceus L.				High									
Cakile maritima Scop.									High	High	High		
Calamagrostis canescens (Weber) Roth												High	High
Calamagrostis epigejos (L.) Roth	High			High								High	High
Calluna vulgaris (L.) Hull	High			High			High	High	High	High	High		
Caltha palustris L.												High	High
Caltha palustris subsp. araneosa			High										
Campanula serrata (Kit.) Hendrych	High												
Camphorosma monspeliaca L.				High					High	High	High		
Capparis spinosa L.				High	High	High							
Cardamine amara L.							High	High				High	High
Cardamine pratensis L.													
Carex acuta L.													
Carex cespitosa			High										
Carex diandra Schrank							High	High					
Carex oederi subsp. pulchella													
Carex remota L.							High	High				High	High
Carex rostrata Stokes							High	High				High	High
Carpinus betulus L.	High												
Carpinus orientalis Miller													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Carpobrotus edulis (L.) N.E. Br.	High	High		High	High	High	High	High	High	High	High	High		High		
Carum carvi L.			High													High
Castanea sativa Miller													High	High	High	
Celtis australis L.													High	High	High	
Centaurea jacea L.			High													High
Cerastium alpinum L.			High													High
Cerastium arvense L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium brachypetalum Pers.																
Cerastium cerastoides (L.) Britton			High													High
Cerastium diffusum Pers.																
Cerastium fontanum Baumg.			High													High
Cerastium glomeratum Thuill.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium latifolium L.																
Cerastium ligusticum Viv.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium pedunculatum Gaudin																
Cerastium pumilum Curtis			High													High
Cerastium semidecandrum L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium siculum Guss.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium sylvaticum Waldst. & Kit.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium tomentosum L.	High	High		High	High	High	High	High	High	High	High	High				
Cerastium uniflorum Clairv.			High													High
Ceratocephala falcata (L.) Pers.	High	High		High	High	High	High	High	High	High	High	High				
Ceratocephala testiculata (Crantz) Roth	High	High	High	High	High	High	High	High	High	High	High	High				High
Ceratophyllum demersum L.																
Ceratophyllum submersum L.																
Chaenorhinum minus													High	High	High	
Cheilanthes maderensis Lowe																
Cheilanthes persica (Bory) Mett. ex Kuhn																
Chelidonium majus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Chenopodium album L.	High	High	High	High	High	High	High	High	High	High	High	High				High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Carpobrotus edulis (L.) N.E. Br.									High	High	High		
Carum carvi L.													
Castanea sativa Miller													
Celtis australis L.													
Centaurea jacea L.													
Cerastium alpinum L.													
Cerastium arvense L.				High	High	High							
Cerastium brachypetalum Pers.				High									
Cerastium cerastoides (L.) Britton													
Cerastium diffusum Pers.				High									
Cerastium fontanum Baumg.													
Cerastium glomeratum Thuill.												High	High
Cerastium latifolium L.					High	High							
Cerastium ligusticum Viv.													
Cerastium pedunculatum Gaudin					High	High							
Cerastium pumilum Curtis				High	High	High							
Cerastium semidecandrum L.				High									
Cerastium siculum Guss.													
Cerastium sylvaticum Waldst. & Kit.													
Cerastium tomentosum L.													
Cerastium uniflorum Clairv.					High	High							
Ceratocephala falcata (L.) Pers.													
Ceratocephala testiculata (Crantz) Roth													
Ceratophyllum demersum L.												High	High
Ceratophyllum submersum L.												High	High
Chaenorhinum minus													
Cheilanthes maderensis Lowe					High	High							
Cheilanthes persica (Bory) Mett. ex Kuhn					High	High							
Chelidonium majus L.	High				High	High							
Chenopodium album L.												High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Chenopodium ambrosioides L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium aristatum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium bonus-henricus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Chenopodium botrys L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium chenopodioides (L.) Aellen	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium ficifolium Sm.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium foliosum (Moench) Ascherson	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium giganteum D. Don	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium glaucum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium hybridum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium multifidum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium murale L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium opulifolium Schrader ex Koch & Ziz	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium polyspermum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium pumilio R. Br.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium rubrum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium suecicum J. Murr	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium urbicum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium vulvaria L.	High	High		High	High	High	High	High	High	High	High	High				
Cimicifuga europaea Schipcz.													High	High	High	
Cirsium oleraceum (L.) Scop.			High										High	High	High	High
Claytonia perfoliata Donn ex Willd.			High													High
Claytonia sibirica L.	High	High		High	High	High	High	High	High	High	High	High				
Clematis alpina (L.) Miller													High	High	High	
Clematis flammula L.	High	High		High	High	High	High	High	High	High	High	High				
Clematis integrifolia L.			High													High
Clematis recta L.			High										High	High	High	High
Clematis vitalba L.													High	High	High	
Clematis viticella L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Cnidium dubium (Schkuhr) Thell.			High													High
Cochlearia officinalis L.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Chenopodium ambrosioides L.													
Chenopodium aristatum L.													
Chenopodium bonus-henricus L.													
Chenopodium botrys L.													
Chenopodium chenopodioides (L.) Aellen									High	High	High		
Chenopodium ficifolium Sm.												High	High
Chenopodium foliosum (Moench) Ascherson													
Chenopodium giganteum D. Don													
Chenopodium glaucum L.									High	High	High	High	High
Chenopodium hybridum L.													
Chenopodium multifidum L.												High	High
Chenopodium murale L.													
Chenopodium opulifolium Schrader ex Koch & Ziz													
Chenopodium polyspermum L.												High	High
Chenopodium pumilio R. Br.													
Chenopodium rubrum L.									High	High	High	High	High
Chenopodium suecicum J. Murr													
Chenopodium urbicum L.												High	High
Chenopodium vulvaria L.													
Cimicifuga europaea Schipcz.													
Cirsium oleraceum (L.) Scop.													
Claytonia perfoliata Donn ex Willd.													
Claytonia sibirica L.													
Clematis alpina (L.) Miller	High												
Clematis flammula L.		High											
Clematis integrifolia L.													
Clematis recta L.	High												
Clematis vitalba L.	High												
Clematis viticella L.													
Cnidium dubium (Schkuhr) Thell.													
Cochlearia officinalis L.									High	High	High		

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Colchicum autumnale L.			High													High
Colutea arborescens L.													High	High	High	
Consolida ajacis (L.) Schur	High	High		High	High	High	High	High	High	High	High	High				
Consolida orientalis (Gay) Schr"dinger	High	High		High	High	High	High	High	High	High	High	High				
Consolida pubescens (DC.) So½	High	High		High	High	High	High	High	High	High	High	High				
Consolida regalis S.F. Gray	High	High		High	High	High	High	High	High	High	High	High				
Corispermum canescens Kit.	High	High	High	High	High	High	High	High	High	High	High	High				High
Corispermum hyssopifolium L.	High	High		High	High	High	High	High	High	High	High	High				
Corispermum marschallii Steven	High	High		High	High	High	High	High	High	High	High	High				
Corispermum nitidum Kit.			High													High
Cornus sanguinea L.													High	High	High	
Corrigiola litoralis L.	High	High		High	High	High	High	High	High	High	High	High				
Corydalis capnoides (L.) Pers.																
Corydalis cava (L.) Schweigger & Koerte													High	High	High	
Corydalis pumila (Host) Reichenb.													High	High	High	
Corydalis solida (L.) Clairv.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Corylus avellana L.			High										High	High	High	High
Corynephorus canescens (L.) Beauv.													High	High	High	
Crambe maritima L.																
Crambe tataria Sebeok			High													High
Crassula tillaea														High		
Crataegus monogyna Jacq.													High	High	High	
Crataegus rosiformis														High		
Crepis biennis L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Crepis paludosa (L.) Moench			High										High	High	High	High
Cryptogramma crispa (L.) R. Br. ex Hooker																
Cucubalus baccifer L.			High										High	High	High	High
Cupressus sempervirens L.													High	High	High	
Cynodon dactylon (L.) Pers.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cynomorium coccineum L.																
Cypripedium calceolus L.			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Colchicum autumnale L.													
Colutea arborescens L.	High												
Consolida ajacis (L.) Schur													
Consolida orientalis (Gay) Schr"dinger													
Consolida pubescens (DC.) So½													
Consolida regalis S.F. Gray													
Corispermum canescens Kit.													
Corispermum hyssopifolium L.													
Corispermum marschallii Steven													
Corispermum nitidum Kit.									High	High	High		
Cornus sanguinea L.	High											High	High
Corrigiola litoralis L.												High	High
Corydalis capnoides (L.) Pers.					High	High							
Corydalis cava (L.) Schweigger & Koerte													
Corydalis pumila (Host) Reichenb.	High												
Corydalis solida (L.) Clairv.	High												
Corylus avellana L.	High												
Corynephorus canescens (L.) Beauv.				High									
Crambe maritima L.									High	High	High		
Crambe tataria Sebeok													
Crassula tillaea													
Crataegus monogyna Jacq.	High			High									
Crataegus rosiformis													
Crepis biennis L.													
Crepis paludosa (L.) Moench												High	High
Cryptogramma crispa (L.) R. Br. ex Hooker					High	High							
Cucubalus baccifer L.												High	High
Cupressus sempervirens L.													
Cynodon dactylon (L.) Pers.				High									
Cynomorium coccineum L.				High									
Cypripedium calceolus L.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Cystopteris dickieana R. Sim																
Cystopteris fragilis (L.) Bernh.													High	High	High	
Cystopteris montana (Lam.) Desv.													High	High	High	
Cystopteris sudetica A. Braun & Milde													High	High	High	
Cytinus hypocistis (L.) L.																
Dactylis glomerata L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Dactylorhiza incarnata													High	High	High	
Dactylorhiza majalis subsp. majalis														High	High	
Daucus carota L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Delphinium elatum L.			High										High	High	High	High
Delphinium fissum Waldst. & Kit.			High										High	High	High	High
Delphinium halteratum Sm.	High	High		High	High	High	High	High	High	High	High	High				
Delphinium peregrinum L.	High	High		High	High	High	High	High	High	High	High	High				
Delphinium staphisagria L.	High	High		High	High	High	High	High	High	High	High	High				
Deschampsia cespitosa (L.) Beauv.			High										High	High	High	High
Deschampsia flexuosa (L.) Trin.																
Dianthus arenarius L.													High	High	High	
Dianthus armeria L.			High													High
Dianthus barbatus L.			High										High	High	High	High
Dianthus carthusianorum L.			High										High	High	High	High
Dianthus ciliatus Guss.													High	High	High	
Dianthus collinus Waldst. & Kit.			High										High	High	High	High
Dianthus deltoides L.			High													High
Dianthus ferrugineus Miller			High										High	High	High	High
Dianthus furcatus Balbis																
Dianthus glacialis Haenke																
Dianthus gratianopolitanus Vill.			High													High
Dianthus monspessulanus L.													High	High	High	
Dianthus plumarius L.																
Dianthus rupicola Biv.																
Dianthus seguieri Vill.			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Cystopteris dickieana R. Sim					High	High							
Cystopteris fragilis (L.) Bernh.					High	High							
Cystopteris montana (Lam.) Desv.					High	High							
Cystopteris sudetica A. Braun & Milde					High	High							
Cytinus hypocistis (L.) L.		High											
Dactylis glomerata L.													
Dactylorhiza incarnata													
Dactylorhiza majalis subsp. majalis													
Daucus carota L.					High	High							
Delphinium elatum L.													
Delphinium fissum Waldst. & Kit.					High	High							
Delphinium halteratum Sm.													
Delphinium peregrinum L.													
Delphinium staphisagria L.													
Deschampsia cespitosa (L.) Beauv.							High	High	High	High	High	High	High
Deschampsia flexuosa (L.) Trin.		High											
Dianthus arenarius L.				High									
Dianthus armeria L.	High			High									
Dianthus barbatus L.													
Dianthus carthusianorum L.				High									
Dianthus ciliatus Guss.													
Dianthus collinus Waldst. & Kit.													
Dianthus deltoides L.				High									
Dianthus ferrugineus Miller													
Dianthus furcatus Balbis					High	High							
Dianthus glacialis Haenke					High	High							
Dianthus gratianopolitanus Vill.				High									
Dianthus monspessulanus L.													
Dianthus plumarius L.					High	High							
Dianthus rupicola Biv.					High	High							
Dianthus seguieri Vill.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Dianthus serotinus Waldst. & Kit.			High													High
Dianthus sternbergii Sieber ex Capelli																
Dianthus superbus L.			High										High	High	High	High
Dianthus sylvestris Wulfen			High													High
Dianthus tripunctatus Sm.	High	High		High	High	High	High	High	High	High	High	High				
Dictamnus albus L.			High										High	High	High	High
Diphasiastrum alpinum (L.) J. Holub			High										High	High	High	High
Disphyma crassifolium (L.) L. Bolus													High			
Dryopteris aemula (Aiton) O. Kuntze													High	High	High	
Dryopteris carthusiana (Vill.) H.P. Fuchs													High	High	High	
Dryopteris cristata (L.) A. Gray			High										High	High	High	High
Dryopteris dilatata (Hoffm.) A. Gray			High										High	High	High	High
Dryopteris expansa (C. Presl) Fraser-Jenkins & Jermy													High	High	High	
Dryopteris filix-mas (L.) Schott			High										High	High	High	High
Dryopteris oreades Fomin																
Dryopteris villarii (Bellardi) Woynar ex Schinz & Thell.																
Drypis spinosa L.																
Elymus repens (L.) Gould	High	High	High	High	High	High	High	High	High	High	High	High				High
Emex spinosa (L.) Campd.	High	High		High	High	High	High	High	High	High	High	High				
Ephedra distachya L.																
Ephedra fragilis Desf.																
Ephedra major Host													High		High	
Epilobium hirsutum L.			High													High
Epilobium palustre L.			High													High
Epimedium alpinum L.													High	High	High	
Equisetum arvense L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Equisetum fluviatile L.			High													High
Equisetum hyemale L.			High													High
Equisetum palustre L.			High													High
Equisetum pratense Ehrh.													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Dianthus serotinus Waldst. & Kit.													
Dianthus sternbergii Sieber ex Capelli					High	High							
Dianthus superbus L.													
Dianthus sylvestris Wulfen				High	High	High							
Dianthus tripunctatus Sm.													
Dictamnus albus L.		High											
Diphasiastrum alpinum (L.) J. Holub	High												
Disphyma crassifolium (L.) L. Bolus			High						High	High	High		
Dryopteris aemula (Aiton) O. Kuntze													
Dryopteris carthusiana (Vill.) H.P. Fuchs	High												
Dryopteris cristata (L.) A. Gray	High												
Dryopteris dilatata (Hoffm.) A. Gray	High												
Dryopteris expansa (C. Presl) Fraser-Jenkins & Jermy													
Dryopteris filix-mas (L.) Schott	High											High	High
Dryopteris oreades Fomin					High	High							
Dryopteris villarii (Bellardi) Woynar ex Schinz & Thell.					High	High							
Drypis spinosa L.					High	High							
Elymus repens (L.) Gould	High			High					High	High	High		
Emex spinosa (L.) Campd.				High								High	High
Ephedra distachya L.				High					High	High	High		
Ephedra fragilis Desf.					High	High			High	High	High		
Ephedra major Host			High		High	High							
Epilobium hirsutum L.													
Epilobium palustre L.							High	High				High	High
Epimedium alpinum L.													
Equisetum arvense L.													
Equisetum fluviatile L.							High	High					
Equisetum hyemale L.													
Equisetum palustre L.							High	High					
Equisetum pratense Ehrh.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Equisetum ramosissimum Desf.			High													High
Equisetum sylvaticum L.													High	High	High	
Equisetum telmateia Ehrh.			High										High	High	High	High
Equisetum variegatum Schleicher			High													High
Eranthis hyemalis (L.) Salisb.													High	High	High	
Erica tetralix L.																
Eriophorum vaginatum L.			High										High	High	High	High
Erucastrum nasturtiifolium (Poiret) O.E. Schulz	High	High		High	High	High	High	High	High	High	High	High				
Euonymus europaeus L.													High	High	High	
Eupatorium cannabinum L.			High										High	High	High	High
Fagus sylvatica L.													High	High	High	
Fallopia convolvulus (L.) A. L"ve	High	High		High	High	High	High	High	High	High	High	High				
Fallopia dumetorum (L.) J. Holub	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Festuca ovina L.			High										High	High	High	High
Festuca rubra L.			High										High	High	High	High
Ficus carica L.	High	High		High	High	High	High	High	High	High	High	High				
Filago lutescens													High	High		
Filipendula ulmaria (L.) Maxim.			High										High	High	High	High
Fragaria vesca L.			High										High	High	High	High
Frangula alnus Miller													High	High	High	
Fumaria agraria Lag.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria bastardii Boreau	High	High		High	High	High	High	High	High	High	High	High				
Fumaria bicolor Sommier ex Nicotra	High	High		High	High	High	High	High	High	High	High	High				
Fumaria capreolata L.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria densiflora DC.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria flabellata Gaspar.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria gaillardotii Boiss.			High													High
Fumaria judaica Boiss.	High	High	High	High	High	High	High	High	High	High	High	High				High
Fumaria kralikii Jordan	High	High	High	High	High	High	High	High	High	High	High	High				High
Fumaria muralis Sonder ex Koch	High	High		High	High	High	High	High	High	High	High	High				
Fumaria officinalis													High	High	High	
Fumaria officinalis L.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria parviflora Lam.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria purpurea Pugsley	High	High		High	High	High	High	High	High	High	High	High				

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Equisetum ramosissimum Desf.													
Equisetum sylvaticum L.													
Equisetum telmateia Ehrh.							High	High					
Equisetum variegatum Schleicher				High			High	High					
Eranthis hyemalis (L.) Salisb.													
Erica tetralix L.	High			High			High	High					
Eriophorum vaginatum L.	High			High			High	High					
Erucastrum nasturtiifolium (Poiret) O.E. Schulz												High	High
Euonymus europaeus L.	High												
Eupatorium cannabinum L.													
Fagus sylvatica L.													
Fallopia convolvulus (L.) A. L"ve													
Fallopia dumetorum (L.) J. Holub	High												
Festuca ovina L.	High			High									
Festuca rubra L.	High			High					High	High	High		
Ficus carica L.													
Filago lutescens			High										
Filipendula ulmaria (L.) Maxim.												High	High
Fragaria vesca L.	High												
Frangula alnus Miller	High											High	High
Fumaria agraria Lag.													
Fumaria bastardii Boreau													
Fumaria bicolor Sommier ex Nicotra													
Fumaria capreolata L.													
Fumaria densiflora DC.													
Fumaria flabellata Gaspar.													
Fumaria gaillardotii Boiss.		High											
Fumaria judaica Boiss.													
Fumaria kralikii Jordan		High											
Fumaria muralis Sonder ex Koch													
Fumaria officinalis			High										
Fumaria officinalis L.													
Fumaria parviflora Lam.													
Fumaria purpurea Pugsley									High	High	High		

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Fumaria rostellata Knaf	High	High		High	High	High	High	High	High	High	High	High				
Fumaria schleicheri Soyer-Willemet	High	High	High	High	High	High	High	High	High	High	High	High				High
Fumaria vaillantii Loisel.	High	High	High	High	High	High	High	High	High	High	High	High				High
Gagea spathacea													High			
Galanthus nivalis													High			
Galeobdolon luteum													High			
Galeopsis bifida													High	High	High	
Galeopsis ladanum subsp. angustifolia													High		High	
Galeopsis segetum													High			
Galium aparine													High		High	
Galium mollugo													High		High	
Galium palustre subsp. elongatum													High		High	
Galium spurium													High		High	
Galium sylvaticum													High		High	
Galium tricornutum													High	High	High	
Galium uliginosum													High	High		
Genista anglica L.			High													High
Genista germanica L.													High	High	High	
Genista pilosa L.			High										High	High	High	High
Genista tinctoria L.																
Gentiana cruciata L.			High										High	High	High	High
Gentiana pneumonanthe L.			High													High
Geranium columbinum													High	High	High	
Geranium phaeum														High		
Geranium pratense													High			
Geranium robertianum L.			High										High	High	High	High
Geum urbanum L.			High										High	High	High	High
Glaucium corniculatum (L.) J.H. Rudolph	High	High		High	High	High	High	High	High	High	High	High				
Glaucium flavum Crantz	High	High		High	High	High	High	High	High	High	High	High				
Glaux maritima													High			
Glechoma hederacea													High	High	High	
Glechoma hederacea L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Glinus lotoides L.																
Glyceria fluitans													High			
Glyceria maxima													High			
Glyceria notata subsp. declinata													High	High	High	
Glyceria notata subsp. notata													High	High		

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Fumaria rostellata Knaf													
Fumaria schleicheri Soyer-Willemet													
Fumaria vaillantii Loisel.													
Gagea spathacea													
Galanthus nivalis													
Galeobdolon luteum													
Galeopsis bifida													
Galeopsis ladanum subsp. angustifolia													
Galeopsis segetum													
Galium aparine			High										
Galium mollugo			High										
Galium palustre subsp. elongatum													
Galium spurium			High										
Galium sylvaticum			High										
Galium tricornutum													
Galium uliginosum													
Genista anglica L.	High			High									
Genista germanica L.	High												
Genista pilosa L.	High	High		High									
Genista tinctoria L.				High									
Gentiana cruciata L.				High									
Gentiana pneumonanthe L.							High	High					
Geranium columbinum			High										
Geranium phaeum			High										
Geranium pratense													
Geranium robertianum L.					High	High							
Geum urbanum L.	High												
Glaucium corniculatum (L.) J.H. Rudolph													
Glaucium flavum Crantz									High	High	High		
Glaux maritima													
Glechoma hederacea			High										
Glechoma hederacea L.	High											High	High
Glinus lotoides L.									High	High	High		
Glyceria fluitans													
Glyceria maxima													
Glyceria notata subsp. declinata			High										
Glyceria notata subsp. notata			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Gnaphalium sylvaticum													High	High		
Gymnocarpium dryopteris (L.) Newman			High										High	High	High	High
Gymnocarpium robertianum (Hoffm.) Newman													High	High	High	
Gypsophila fastigiata L.			High													High
Gypsophila muralis													High		High	
Gypsophila muralis L.	High	High		High	High	High	High	High	High	High	High	High				
Gypsophila paniculata L.			High													High
Gypsophila perfoliata L.	High	High		High	High	High	High	High	High	High	High	High				
Gypsophila repens L.			High													High
Gypsophila scorzonerifolia Ser.	High	High		High	High	High	High	High	High	High	High	High				
Halimione pedunculata (L.) Aellen																
Halimione portulacoides (L.) Aellen																
Halocnemum strobilaceum (Pallas) Bieb.																
Halopeplis amplexicaulis (Vahl) Ung.-Sternb. ex Cesati, Passer. & Gibelli																
Hedera helix L.													High	High	High	
Helianthemum nummularium (L.) Miller			High										High	High	High	High
Helleborus foetidus L.													High	High	High	
Helleborus lividus Aiton													High	High	High	
Helleborus niger L.													High	High	High	
Helleborus odorus Waldst. & Kit.													High	High	High	
Helleborus purpurascens Waldst. & Kit.													High	High	High	
Helleborus viridis													High			
Helleborus viridis L.													High	High	High	
Hepatica nobilis Schreber													High	High	High	
Heracleum mantegazzianum													High			
Heracleum sphondylium L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Herminium monorchis													High			
Herniaria alpina Chaix																
Herniaria ciliolata Melderis																
Herniaria glabra L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Herniaria hirsuta L.	High	High		High	High	High	High	High	High	High	High	High				
Herniaria incana Lam.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Gnaphalium sylvaticum			High										
Gymnocarpium dryopteris (L.) Newman					High	High							
Gymnocarpium robertianum (Hoffm.) Newman					High	High							
Gypsophila fastigiata L.				High									
Gypsophila muralis			High										
Gypsophila muralis L.												High	High
Gypsophila paniculata L.				High									
Gypsophila perfoliata L.									High	High	High		
Gypsophila repens L.					High	High						High	High
Gypsophila scorzonerifolia Ser.													
Halimione pedunculata (L.) Aellen									High	High	High		
Halimione portulacoides (L.) Aellen									High	High	High		
Halocnemum strobilaceum (Pallas) Bieb.									High	High	High		
Halopeplis amplexicaulis (Vahl) Ung.-Sternb. ex Cesati, Passer. & Gibelli									High	High	High		
Hedera helix L.	High				High	High							
Helianthemum nummularium (L.) Miller	High				High	High							
Helleborus foetidus L.													
Helleborus lividus Aiton					High	High							
Helleborus niger L.													
Helleborus odorus Waldst. & Kit.													
Helleborus purpurascens Waldst. & Kit.													
Helleborus viridis			High										
Helleborus viridis L.													
Hepatica nobilis Schreber		High											
Heracleum mantegazzianum													
Heracleum sphondylium L.	High		High									High	High
Herminium monorchis			High										
Herniaria alpina Chaix					High	High							
Herniaria ciliolata Melderis				High					High	High	High		
Herniaria glabra L.				High									
Herniaria hirsuta L.				High									
Herniaria incana Lam.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Hieracium glaucium														High		
Hieracium lactucella													High		High	
Hieracium praealtum subsp. prealtum													High			
Hieracium umbellatum													High			
Hieracium umbellatum L.			High										High	High	High	High
Himantoglossum hircinum													High		High	
Hippocrepis comosa													High			
Hippocrepis comosa L.			High										High	High	High	High
Hippophae rhamnoides L.													High	High	High	
Hippuris vulgaris													High	High	High	
Holcus lanatus													High	High	High	
Holcus mollis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Holosteum umbellatum L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Honkenya peploides (L.) Ehrh.																
Humulus lupulus L.			High										High	High	High	High
Huperzia selago													High			
Huperzia selago (L.) Bernh. ex Schrank & C.F.P. Mart.													High	High	High	
Hymenophyllum tunbrigense (L.) Sm.													High	High	High	
Hymenophyllum wilsonii Hooker													High	High	High	
Hypecoum imberbe Sm.	High	High		High	High	High	High	High	High	High	High	High				
Hypecoum procumbens L.																
Hypochaeris glabra													High	High	High	
Hyssopus officinalis													High			
Iberis amara														High	High	
Ilex aquifolium													High	High	High	
Ilex aquifolium L.													High	High	High	
Illecebrum verticillatum													High	High	High	
Illecebrum verticillatum L.	High	High		High	High	High	High	High	High	High	High	High				
Impatiens noli-tangere														High		
Impatiens parviflora													High	High	High	
Isoetes echinospora													High	High	High	
Isoetes echinospora Durieu																
Isoetes histrix Bory																
Isoetes lacustris													High			
Isoetes lacustris L.																
Isoetes velata A. Braun																
Isopyrum thalictroides L.													High	High	High	
Jasione montana													High		High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Hieracium glaucium													
Hieracium lactucella													
Hieracium praealtum subsp. prealtum													
Hieracium umbellatum													
Hieracium umbellatum L.	High			High								High	High
Himantoglossum hircinum													
Hippocrepis comosa													
Hippocrepis comosa L.													
Hippophae rhamnoides L.	High			High								High	High
Hippuris vulgaris			High										
Holcus lanatus			High										
Holcus mollis L.	High			High									
Holosteum umbellatum L.				High									
Honkenya peploides (L.) Ehrh.				High					High	High	High		
Humulus lupulus L.	High												
Huperzia selago													
Huperzia selago (L.) Bernh. ex Schrank & C.F.P. Mart.	High												
Hymenophyllum tunbrigense													
(L.) Sm.					High	High							
Hymenophyllum wilsonii Hooker													
Hypecoum imberbe Sm.													
Hypecoum procumbens L.				High	High	High							
Hypochaeris glabra			High										
Hyssopus officinalis			High										
Iberis amara			High										
Ilex aquifolium			High										
Ilex aquifolium L.	High												
Illecebrum verticillatum			High										
Illecebrum verticillatum L.												High	High
Impatiens noli-tangere													
Impatiens parviflora													
Isoetes echinospora			High										
Isoetes echinospora Durieu												High	High
Isoetes histrix Bory												High	High
Isoetes lacustris													
Isoetes lacustris L.												High	High
Isoetes velata A. Braun												High	High
Isopyrum thalictroides L.													
Jasione montana			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Juglans regia L.													High	High	High	
Juncus bufonius													High			
Juncus bulbosus subsp. bulbosus													High	High	High	
Juncus compressus													High	High	High	
Juncus conglomeratus													High			
Juncus gerardi													High			
Juncus inflexus													High			
Juncus maritimus													High			
Juncus squarrosus													High			
Juncus tenageia													High			
Juncus tenuis													High			
Juniperus communis L.			High										High	High	High	High
Juniperus oxycedrus L.													High	High	High	
Juniperus phoenicea L.													High	High	High	
Juniperus sabina L.													High	High	High	
Juniperus thurifera L.													High	High	High	
Kickxia elatine													High	High	High	
Kickxia spuria													High	High	High	
Knautia arvensis (L.) Coulter			High													High
Koeleria macrantha													High			
Lactuca tatarica													High			
Larix decidua Miller													High	High	High	
Lathyrus aphaca													High			
Laurus nobilis L.																
Lavatera trimestris L.	High	High		High	High	High	High	High	High	High	High	High				
Leersia oryzoides																
Leontodon hispidus L.			High										High	High	High	High
Leucanthemum vulgare Lam.			High													High
Ligustrum vulgare L.													High	High	High	
Linaria arvensis													High		High	
Linaria vulgaris																
Linnaea borealis																
Linum maritimum L.																
Liparis loeselii													High			
Liparis loeselii (L.) L.C.M. Richard																
Listera cordata													High			
Listera ovata													High			
Lobelia dortmanna													High		High	
Loeflingia hispanica L.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Juglans regia L.	High												
Juncus bufonius													
Juncus bulbosus subsp. bulbosus			High										
Juncus compressus			High										
Juncus conglomeratus													
Juncus gerardi													
Juncus inflexus													
Juncus maritimus													
Juncus squarrosus													
Juncus tenageia			High										
Juncus tenuis													
Juniperus communis L.	High		High	High					High	High	High		
Juniperus oxycedrus L.		High		High									
Juniperus phoenicea L.		High		High									
Juniperus sabina L.					High	High							
Juniperus thurifera L.		High											
Kickxia elatine													
Kickxia spuria													
Knautia arvensis (L.) Coulter													
Koeleria macrantha													
Lactuca tatarica			High										
Larix decidua Miller	High												
Lathyrus aphaca													
Laurus nobilis L.		High											
Lavatera trimestris L.													
Leersia oryzoides			High										
Leontodon hispidus L.					High	High							
Leucanthemum vulgare Lam.													
Ligustrum vulgare L.	High	High											
Linaria arvensis													
Linaria vulgaris			High										
Linnaea borealis			High										
Linum maritimum L.									High	High	High		
Liparis loeselii			High										
Liparis loeselii (L.) L.C.M. Richard							High	High					
Listera cordata			High										
Listera ovata													
Lobelia dortmanna			High										
Loeflingia hispanica L.				High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Lonicera periclymenum L.													High	High	High	
Loranthus europaeus Jacq.													High	High	High	
Lotus corniculatus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Ludwigia palustris													High			
Luronium natans (L.) Rafin.																
Luzula luzuloides													High			
Luzula multiflora subsp. congesta													High			
Luzula multiflora subsp. multiflora													High			
Lychnis alpina L.			High													High
Lychnis coronaria (L.) Desr.													High	High	High	
Lychnis flos-cuculi L.			High													High
Lychnis flos-jovis (L.) Desr.																
Lychnis viscaria L.			High										High	High	High	High
Lycopodiella inundata (L.) J. Holub																
Lycopodium annotinum													High	High	High	
Lycopodium annotinum L.													High	High	High	
Lycopodium clavatum L.			High										High	High	High	High
Lycopodium tristachyum													High			
Lysimachia thyrsiflora													High	High		
Lythrum salicaria													High	High		
Lythrum salicaria L.			High													High
Maianthemum bifolium													High	High	High	
Malva alcea																
Malva moschata														High		
Malva moschata L.			High										High	High	High	High
Malva neglecta													High			
Marrubium vulgare														High		
Marsilea quadrifolia L.																
Marsilea strigosa Willd.																
Matteuccia struthiopteris (L.) Tod.			High										High	High	High	High
Meconopsis cambrica (L.) Vig.																
Medicago falcata													High		High	
Medicago lupulina													High	High	High	
Medicago minima														High		
Medicago sativa																
Medicago x varia																
Melampyrum arvense														High		
Melampyrum pratense L.			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Lonicera periclymenum L.	High												
Loranthus europaeus Jacq.													
Lotus corniculatus L.				High									
Ludwigia palustris			High										
Luronium natans (L.) Rafin.												High	High
Luzula luzuloides			High										
Luzula multiflora subsp. congesta			High										
Luzula multiflora subsp. multiflora			High										
Lychnis alpina L.					High	High							
Lychnis coronaria (L.) Desr.													
Lychnis flos-cuculi L.													
Lychnis flos-jovis (L.) Desr.					High	High							
Lychnis viscaria L.				High									
Lycopodiella inundata (L.) J. Holub							High	High					
Lycopodium annotinum			High										
Lycopodium annotinum L.													
Lycopodium clavatum L.	High												
Lycopodium tristachyum													
Lysimachia thyrsiflora			High										
Lythrum salicaria			High										
Lythrum salicaria L.												High	High
Maianthemum bifolium													
Malva alcea			High										
Malva moschata			High										
Malva moschata L.													
Malva neglecta			High										
Marrubium vulgare													
Marsilea quadrifolia L.												High	High
Marsilea strigosa Willd.												High	High
Matteuccia struthiopteris (L.) Tod.												High	High
Meconopsis cambrica (L.) Vig.					High	High							
Medicago falcata			High										
Medicago lupulina			High										
Medicago minima													
Medicago sativa			High										
Medicago x varia			High										
Melampyrum arvense			High										
Melampyrum pratense L.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Melica nutans L.													High	High	High	
Melica uniflora Retz.													High	High	High	
Melilotus officinalis																
Mentha suaveolens													High			
Menyanthes trifoliata													High			
Mercurialis annua														High		
Mesembryanthemum crystallinum L.													High	High	High	
Mesembryanthemum nodiflorum L.																
Mespilus germanica													High			
Meum athamanticum Jacq.			High										High	High	High	High
Mibora minima													High	High	High	
Milium effusum													High	High	High	
Milium vernale													High	High	High	
Mimulus guttatus													High	High	High	
Minuartia austriaca (Jacq.) Hayek																
Minuartia capillacea (All.) Graebner																
Minuartia cherlerioides (Hoppe) Becherer			High													High
Minuartia geniculata (Poiret) Thell.																
Minuartia glomerata (Bieb.) Degen													High	High	High	
Minuartia graminifolia (Ard.) J v.			High													High
Minuartia hybrida													High	High	High	
Minuartia hybrida (Vill.) Schischkin			High													High
Minuartia laricifolia (L.) Schinz & Thell.																
Minuartia mediterranea (Ledeb.) K. Maly																
Minuartia mutabilis (Lapeyr.) Schinz & Thell. ex Becherer																
Minuartia recurva (All.) Schinz & Thell.													High	High	High	
Minuartia rubra (Scop.) McNeill			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Melica nutans L.													
Melica uniflora Retz.	High												
Melilotus officinalis			High										
Mentha suaveolens													
Menyanthes trifoliata			High										
Mercurialis annua													
Mesembryanthemum crystallinum L.									High	High	High		
Mesembryanthemum nodiflorum L.		High		High					High	High	High		
Mespilus germanica													
Meum athamanticum Jacq.			High										
Mibora minima			High										
Milium effusum													
Milium vernale			High										
Mimulus guttatus													
Minuartia austriaca (Jacq.) Hayek					High	High							
Minuartia capillacea (All.) Graebner					High	High							
Minuartia cherlerioides (Hoppe) Becherer					High	High							
Minuartia geniculata (Poiret) Thell.				High									
Minuartia glomerata (Bieb.) Degen					High	High							
Minuartia graminifolia (Ard.) J v.					High	High							
Minuartia hybrida			High										
Minuartia hybrida (Vill.) Schischkin				High									
Minuartia laricifolia (L.) Schinz & Thell.					High	High							
Minuartia mediterranea (Ledeb.) K. Maly		High			High	High							
Minuartia mutabilis (Lapeyr.) Schinz & Thell. ex Becherer					High	High							
Minuartia recurva (All.) Schinz & Thell.					High	High							
Minuartia rubra (Scop.) McNeill				High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Minuartia rupestris (Scop.) Schinz & Thell.																
Minuartia sedoides (L.) Hiern			High													High
Minuartia setacea (Thuill.) Hayek			High													High
Minuartia stricta (Swartz) Hiern																
Minuartia verna (L.) Hiern			High													High
Minuartia villarii (Balbis) Wilczek & Chenevard																
Minuartia viscosa (Schreber) Schinz & Thell.	High	High		High	High	High	High	High	High	High	High	High				
Moehringia bavarica (L.) Gren.																
Moehringia ciliata (Scop.) Dalla Torre			High													High
Moehringia muscosa L.																
Moehringia pentandra Gay													High	High	High	
Moehringia tommasinii Marchesetti																
Moehringia trinervia (L.) Clairv.			High										High	High	High	High
Moenchia erecta (L.) P. Gaertner, B. Meyer & Scherb.																
Moenchia mantica (L.) Bartl.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Molinia caerulea (L.) Moench			High										High	High	High	High
Moneses uniflora																
Montia fontana L.																
Muscari botryoides (L.) Miller			High										High	High	High	High
Muscari comosum																
Myosotis arvensis													High			
Myosotis laxa (subsp. cespitosa)													High			
Myosotis ramosissima													High			
Myosotis stricta													High			
Myosoton aquaticum (L.) Moench	High	High	High	High	High	High	High	High	High	High	High	High				High
Myosurus minimus													High			
Myosurus minimus L.	High	High	High	High	High	High	High	High	High	High	High	High				High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Minuartia rupestris (Scop.) Schinz & Thell.					High	High							
Minuartia sedoides (L.) Hiern													
Minuartia setacea (Thuill.) Hayek				High									
Minuartia stricta (Swartz) Hiern							High	High					
Minuartia verna (L.) Hiern													
Minuartia villarii (Balbis) Wilczek & Chenevard					High	High							
Minuartia viscosa (Schreber) Schinz & Thell.				High									
Moehringia bavarica (L.) Gren.					High	High							
Moehringia ciliata (Scop.) Dalla Torre					High	High							
Moehringia muscosa L.					High	High							
Moehringia pentandra Gay													
Moehringia tommasinii Marchesetti					High	High							
Moehringia trinervia (L.) Clairv.	High												
Moenchia erecta (L.) P. Gaertner, B. Meyer & Scherb.				High									
Moenchia mantica (L.) Bartl.													
Molinia caerulea (L.) Moench	High			High			High	High				High	High
Moneses uniflora			High										
Montia fontana L.							High	High				High	High
Muscari botryoides (L.) Miller													
Muscari comosum			High										
Myosotis arvensis													
Myosotis laxa (subsp. cespitosa)													
Myosotis ramosissima													
Myosotis stricta													
Myosoton aquaticum (L.) Moench	High											High	High
Myosurus minimus													
Myosurus minimus L.												High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Myrica gale L.													High	High	High	
Myriophyllum alterniflorum													High			
Myriophyllum spicatum													High			
Myriophyllum verticillatum														High		
Najas marina													High			
Najas minor													High		High	
Narcissus pseudonarcissus subsp. pseudonarcis													High	High	High	
Nardus stricta L.			High													High
Narthecium ossifragum													High			
Nelumbo nucifera Gaertner																
Nepeta cataria													High			
Nicandra physalodes													High	High	High	
Nigella arvensis													High	High	High	
Nigella arvensis L.	High	High		High	High	High	High	High	High	High	High	High				
Nigella damascena L.	High	High		High	High	High	High	High	High	High	High	High				
Notholaena marantae (L.) Desv.																
Nuphar lutea Sm.																
Nuphar pumila (Timm) DC.																
Nymphaea alba L.																
Nymphaea candida C. Presl																
Ononis spinosa L.			High													High
Ophioglossum azoricum C. Presl			High													High
Ophioglossum lusitanicum L.			High													High
Ophioglossum vulgatum L.			High													High
Ophrys insectifera L.			High										High	High	High	High
Ophrys sphegodes													High			
Orchis militaris													High		High	
Orchis militaris L.			High													High
Orchis morio													High		High	
Oreopteris limbosperma (Bellardi ex All.) J. Holub													High	High	High	
Origanum vulgare													High	High	High	
Ornithogalum nutans													High	High	High	
Orobanche caryophyllacea														High		
Orobanche reticulata													High		High	
Ortegia hispanica L.																
Osmunda regalis													High			
Osmunda regalis L.			High										High	High	High	High
Ostrya carpinifolia Scop.													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Myrica gale L.	High			High			High	High				High	High
Myriophyllum alterniflorum													
Myriophyllum spicatum			High										
Myriophyllum verticillatum													
Najas marina			High										
Najas minor			High										
Narcissus pseudonarcissus													
subsp. pseudonarcis			High										
Nardus stricta L.	High			High									
Narthecium ossifragum			High										
Nelumbo nucifera Gaertner												High	High
Nepeta cataria			High										
Nicandra physalodes			High										
Nigella arvensis			High										
Nigella arvensis L.													
Nigella damascena L.													
Notholaena marantae (L.) Desv.					High	High							
Nuphar lutea Sm.												High	High
Nuphar pumila (Timm) DC.												High	High
Nymphaea alba L.												High	High
Nymphaea candida C. Presl												High	High
Ononis spinosa L.		High							High	High	High		
Ophioglossum azoricum C. Presl													
Ophioglossum lusitanicum L.													
Ophioglossum vulgatum L.				High					High	High	High		
Ophrys insectifera L.													
Ophrys sphegodes													
Orchis militaris													
Orchis militaris L.													
Orchis morio			High										
Oreopteris limbosperma													
(Bellardi ex All.) J. Holub													
Origanum vulgare			High										
Ornithogalum nutans													
Orobanche caryophyllacea													
Orobanche reticulata													
Ortegia hispanica L.				High									
Osmunda regalis													
Osmunda regalis L.							High	High					
Ostrya carpinifolia Scop.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Osyris alba L.																
Oxalis acetosella													High			
Oxalis corniculata													High	High	High	
Oxybaphus nyctagineus (Michx) Sweet	High	High		High	High	High	High	High	High	High	High	High				
Oxycoccus macrocarpos													High			
Oxyria digyna (L.) Hill																
Oxytropis campestris (L.) DC.			High													High
Paeonia mascula (L.) Miller													High	High	High	
Paeonia officinalis L.			High										High	High	High	High
Paeonia peregrina Miller			High										High	High	High	High
Papaver alpinum L.																
Papaver apulum Ten.	High	High		High	High	High	High	High	High	High	High	High				
Papaver argemone													High	High		
Papaver argemone L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver dubium													High			
Papaver dubium L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver hybridum L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver pinnatifidum Moris	High	High		High	High	High	High	High	High	High	High	High				
Papaver rhoeas L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver somniferum L.	High	High		High	High	High	High	High	High	High	High	High				
Parietaria cretica L.																
Parietaria judaica L.																
Parietaria lusitanica L.																
Parietaria mauritanica Durieu																
Parietaria officinalis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Paris quadrifolia													High			
Parnassia palustris													High	High	High	
Paronychia argentea Lam.																
Paronychia capitata (L.) Lam.																
Paronychia cephalotes (Bieb.) Besser			High													High
Paronychia echinulata Chater																
Paronychia kapela (Hacq.) A. Kerner			High													High
Paronychia polygonifolia (Vill.) DC.			High													High
Pedicularis palustris														High		

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Osyris alba L.		High											
Oxalis acetosella			High										
Oxalis corniculata													
Oxybaphus nyctagineus (Michx) Sweet													
Oxycoccus macrocarpos													
Oxyria digyna (L.) Hill					High	High							
Oxytropis campestris (L.) DC.					High	High							
Paeonia mascula (L.) Miller													
Paeonia officinalis L.					High	High							
Paeonia peregrina Miller													
Papaver alpinum L.					High	High							
Papaver apulum Ten.													
Papaver argemone													
Papaver argemone L.													
Papaver dubium			High										
Papaver dubium L.													
Papaver hybridum L.													
Papaver pinnatifidum Moris													
Papaver rhoeas L.													
Papaver somniferum L.													
Parietaria cretica L.					High	High							
Parietaria judaica L.					High	High							
Parietaria lusitanica L.					High	High							
Parietaria mauritanica Durieu					High	High							
Parietaria officinalis L.	High												
Paris quadrifolia			High										
Parnassia palustris			High										
Paronychia argentea Lam.		High											
Paronychia capitata (L.) Lam.		High			High	High							
Paronychia cephalotes (Bieb.) Besser					High	High							
Paronychia echinulata Chater				High									
Paronychia kapela (Hacq.) A. Kerner	High												
Paronychia polygonifolia (Vill.) DC.				High	High	High							
Pedicularis palustris			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Petasites hybridus (L.) P. Gaertner, B. Meyer & Scherb.			High										High	High	High	High
Petrorhagia illyrica (Ard.) P.W. Ball & Heywood			High													High
Petrorhagia nanteuilii (Burnat) P.W. Ball & Heywood	High	High		High	High	High	High	High	High	High	High	High				
Petrorhagia prolifera (L.) P.W. Ball & Heywood			High													High
Petrorhagia velutina (Guss.) P.W. Ball & Heywood	High	High		High	High	High	High	High	High	High	High	High				
Petroselinum segetum													High			
Peucedanum oreoselinum (L.) Moench			High										High	High	High	High
Peucedanum palustre													High	High	High	
Phalaris arundinacea													High	High	High	
Phegopteris connectilis (Michx) Watt			High										High	High	High	High
Phleum pratense subsp. bertolonii													High			
Phragmites australis													High			
Phytolacca americana L.	High	High		High	High	High	High	High	High	High	High	High				
Picea abies (L.) Karsten													High	High	High	
Pilularia globulifera													High			
Pilularia globulifera L.																
Pilularia minuta Durieu ex A. Braun																
Pimpinella major													High			
Pimpinella major (L.) Hudson			High										High	High	High	High
Pimpinella saxifraga													High	High		
Pinguicula vulgaris														High		
Pinus cembra L.													High	High	High	
Pinus halepensis Miller													High	High	High	
Pinus mugo Turra													High	High	High	
Pinus nigra Arnold													High	High	High	
Pinus pinaster Aiton													High	High	High	
Pinus pinea L.													High	High	High	
Pinus sylvestris													High	High		
Pinus sylvestris L.													High	High	High	
Pinus uncinata Miller ex Mirbel													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Petasites hybridus (L.) P. Gaertner, B. Meyer & Scherb.												High	High
Petrorhagia illyrica (Ard.) P.W. Ball & Heywood					High	High							
Petrorhagia nanteuilii (Burnat) P.W. Ball & Heywood				High									
Petrorhagia prolifera (L.) P.W. Ball & Heywood				High									
Petrorhagia velutina (Guss.) P.W. Ball & Heywood		High		High	High	High							
Petroselinum segetum			High										
Peucedanum oreoselinum (L.) Moench	High			High									
Peucedanum palustre													
Phalaris arundinacea													
Phegopteris connectilis (Michx) Watt	High						High	High				High	High
Phleum pratense subsp. bertolonii													
Phragmites australis			High										
Phytolacca americana L.													
Picea abies (L.) Karsten	High												
Pilularia globulifera													
Pilularia globulifera L.												High	High
Pilularia minuta Durieu ex A. Braun												High	High
Pimpinella major													
Pimpinella major (L.) Hudson			High										
Pimpinella saxifraga			High										
Pinguicula vulgaris			High										
Pinus cembra L.	High		High										
Pinus halepensis Miller	High			High									
Pinus mugo Turra	High		High				High	High					
Pinus nigra Arnold		High											
Pinus pinaster Aiton		High	High	High									
Pinus pinea L.		High	High	High									
Pinus sylvestris			High										
Pinus sylvestris L.	High	High							High	High	High		
Pinus uncinata Miller ex Mirbel													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Plantago coronopus														High		
Plantago coronopus L.																
Plantago lanceolata L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Plantago major subsp. pleiosperma													High	High	High	
Plantago maritima														High	High	
Plantago media													High			
Platanthera chlorantha													High	High		
Poa bulbosa													High	High	High	
Poa palustris													High			
Poa pratensis													High			
Poa pratensis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Poa trivialis														High		
Polycarpon polycarpoides (Biv.) Zodda																
Polycarpon tetraphyllum (L.) L.	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum arvense L.	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum heuffelii A.F. L ng	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum majus A. Braun	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum verrucosum A.F. L ng	High	High		High	High	High	High	High	High	High	High	High				
Polygala serpyllifolia													High			
Polygonatum odoratum													High			
Polygonum alpinum All.			High													High
Polygonum amphibium													High	High	High	
Polygonum amphibium L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Polygonum arenarium Waldst. & Kit.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum aviculare													High	High	High	
Polygonum aviculare L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Polygonum bistorta L.			High													High
Polygonum equisetiforme Sm.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum graminifolium Wierzb. ex Heuffel	High	High		High	High	High	High	High	High	High	High	High				
Polygonum hydropiper L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum lapathifolium													High		High	
Polygonum lapathifolium L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum maritimum L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum minus													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Plantago coronopus			High										
Plantago coronopus L.				High					High	High	High		
Plantago lanceolata L.				High									
Plantago major subsp. pleiosperma			High										
Plantago maritima													
Plantago media			High										
Platanthera chlorantha													
Poa bulbosa			High										
Poa palustris			High										
Poa pratensis													
Poa pratensis L.				High									
Poa trivialis													
Polycarpon polycarpoides (Biv.) Zodda					High	High			High	High	High		
Polycarpon tetraphyllum (L.) L.													
Polycnemum arvense L.				High									
Polycnemum heuffelii A.F. L ng				High									
Polycnemum majus A. Braun													
Polycnemum verrucosum A.F. L ng				High									
Polygala serpyllifolia			High										
Polygonatum odoratum			High										
Polygonum alpinum All.													
Polygonum amphibium													
Polygonum amphibium L.												High	High
Polygonum arenarium Waldst. & Kit.				High									
Polygonum aviculare			High										
Polygonum aviculare L.													
Polygonum bistorta L.												High	High
Polygonum equisetiforme Sm.									High	High	High		
Polygonum graminifolium Wierzb. ex Heuffel				High									
Polygonum hydropiper L.												High	High
Polygonum lapathifolium													
Polygonum lapathifolium L.												High	High
Polygonum maritimum L.				High									
Polygonum minus			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Polygonum minus Hudson																
Polygonum mite													High	High	High	
Polygonum mite Schrank													High	High	High	
Polygonum orientale L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum oxyspermum													High			
Polygonum oxyspermum C.A. Meyer & Bunge ex Ledeb.																
Polygonum patulum Bieb.																
Polygonum persicaria													High		High	
Polygonum persicaria L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum salicifolium Brouss. ex Willd.																
Polygonum viviparum L.			High													High
Polypodium cambricum L.																
Polypodium interjectum													High			
Polypodium interjectum Shivas																
Polypodium vulgare L.													High	High	High	
Polystichum aculeatum (L.) Roth													High	High	High	
Polystichum lonchitis (L.) Roth																
Polystichum setiferum (ForskÅl) Woynar													High	High	High	
Populus alba L.													High	High	High	
Populus nigra L.													High	High	High	
Populus tremula L.													High	High	High	
Portulaca grandiflora Hooker	High	High		High	High	High	High	High	High	High	High	High				
Portulaca oleracea L.	High	High		High	High	High	High	High	High	High	High	High				
Potamogeton alpinus													High			
Potamogeton mucronatus													High			
Potentilla anglica													High	High	High	
Potentilla anglica Laicharding			High													High
Potentilla anserina L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Potentilla argentea													High	High	High	
Potentilla erecta (L.) Raeuschel			High										High	High	High	High
Potentilla intermedia																
Potentilla reptans													High	High	High	
Potentilla sterilis																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Polygonum minus Hudson												High	High
Polygonum mite													
Polygonum mite Schrank												High	High
Polygonum orientale L.													
Polygonum oxyspermum			High										
Polygonum oxyspermum C.A. Meyer & Bunge ex Ledeb.									High	High	High		
Polygonum patulum Bieb.				High									
Polygonum persicaria			High										
Polygonum persicaria L.												High	High
Polygonum salicifolium Brouss. ex Willd.							High	High					
Polygonum viviparum L.													
Polypodium cambricum L.					High	High							
Polypodium interjectum			High										
Polypodium interjectum Shivas					High	High							
Polypodium vulgare L.					High	High							
Polystichum aculeatum (L.) Roth													
Polystichum lonchitis (L.) Roth					High	High							
Polystichum setiferum (ForskÅl) Woynar	High												
Populus alba L.												High	High
Populus nigra L.													
Populus tremula L.	High												
Portulaca grandiflora Hooker													
Portulaca oleracea L.													
Potamogeton alpinus			High										
Potamogeton mucronatus			High										
Potentilla anglica			High										
Potentilla anglica Laicharding													
Potentilla anserina L.									High	High	High	High	High
Potentilla argentea			High										
Potentilla erecta (L.) Raeuschel	High												
Potentilla intermedia			High										
Potentilla reptans			High										
Potentilla sterilis			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Potentilla sterilis (L.) Garcke													High	High	High	
Potentilla tabernaemontani Ascherson			High										High	High	High	High
Potentilla verna													High			
Primula elatior													High			
Primula elatior (L.) Hill			High										High	High	High	High
Primula vulgaris													High			
Prunella vulgaris L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Prunus mahaleb L.													High	High	High	
Prunus padus L.													High	High	High	
Prunus spinosa L.													High	High	High	
Pseudofumaria lutea (L.) Borkh.																
Pseudostellaria europaea Schaeftlein													High	High	High	
Pteridium aquilinum (L.) Kuhn													High	High	High	
Pteris cretica L.																
Pteris vittata L.																
Pulicaria dysenterica (L.) Bernh.			High													High
Pulicaria vulgaris													High	High	High	
Pulmonaria officinalis													High	High	High	
Pulsatilla alpina (L.) Delarbre			High													High
Pulsatilla halleri (All.) Willd.			High													High
Pulsatilla montana (Hoppe) Reichenb.			High													High
Pulsatilla patens (L.) Miller			High										High	High	High	High
Pulsatilla pratensis (L.) Miller			High										High	High	High	High
Pulsatilla vernalis (L.) Miller			High										High	High	High	High
Pulsatilla vulgaris Miller			High										High	High	High	High
Pyrola rotundifolia													High			
Pyrus communis													High	High	High	
Quercus cerris L.													High	High	High	
Quercus coccifera L.													High	High	High	
Quercus congesta C. Presl													High	High	High	
Quercus dalechampii Ten.													High	High	High	
Quercus frainetto Ten.													High	High	High	
Quercus ilex L.													High	High	High	
Quercus macrolepis Kotschy													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Potentilla sterilis (L.) Garcke	High												
Potentilla tabernaemontani Ascherson				High									
Potentilla verna													
Primula elatior			High										
Primula elatior (L.) Hill	High												
Primula vulgaris			High										
Prunella vulgaris L.													
Prunus mahaleb L.	High	High											
Prunus padus L.	High												
Prunus spinosa L.	High	High											
Pseudofumaria lutea (L.) Borkh.					High	High							
Pseudostellaria europaea Schaeftlein													
Pteridium aquilinum (L.) Kuhn	High												
Pteris cretica L.					High	High							
Pteris vittata L.					High	High							
Pulicaria dysenterica (L.) Bernh.													
Pulicaria vulgaris			High										
Pulmonaria officinalis			High										
Pulsatilla alpina (L.) Delarbre													
Pulsatilla halleri (All.) Willd.													
Pulsatilla montana (Hoppe) Reichenb.													
Pulsatilla patens (L.) Miller				High									
Pulsatilla pratensis (L.) Miller													
Pulsatilla vernalis (L.) Miller	High												
Pulsatilla vulgaris Miller	High												
Pyrola rotundifolia													
Pyrus communis			High										
Quercus cerris L.													
Quercus coccifera L.		High		High									
Quercus congesta C. Presl													
Quercus dalechampii Ten.													
Quercus frainetto Ten.													
Quercus ilex L.		High		High									
Quercus macrolepis Kotschy													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Quercus petraea																
Quercus petraea (Mattuschka) Liebl.													High	High	High	
Quercus polycarpa Schur													High	High	High	
Quercus pubescens Willd.													High	High	High	
Quercus pyrenaica Willd.													High	High	High	
Quercus robur L.													High	High	High	
Quercus suber L.													High	High	High	
Quercus trojana Webb													High	High	High	
Ranunculus aconitifolius L.			High										High	High	High	High
Ranunculus acris L.			High													High
Ranunculus aduncus Gren.			High										High	High	High	High
Ranunculus alpestris L.			High													High
Ranunculus aquatilis													High		High	
Ranunculus aquatilis L.																
Ranunculus arvensis													High			
Ranunculus arvensis L.	High	High		High	High	High	High	High	High	High	High	High				
Ranunculus auricomus L.			High										High	High	High	High
Ranunculus brevifolius Ten.																
Ranunculus brutius Ten.													High	High	High	
Ranunculus bulbosus L.			High													High
Ranunculus bullatus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Ranunculus carinthiacus Hoppe			High													High
Ranunculus cassubicus L.			High										High	High	High	High
Ranunculus chius DC.			High													High
Ranunculus circinatus Sibth.																
Ranunculus fallax (Wimmer & Grab.) Sloboda			High										High	High	High	High
Ranunculus ficaria L.			High										High	High	High	High
Ranunculus flammula L.			High													High
Ranunculus fluitans Lam.																
Ranunculus fontanus C. Presl			High													High
Ranunculus glacialis L.																
Ranunculus gracilis E.D. Clarke													High	High	High	
Ranunculus gramineus L.			High													High
Ranunculus grenierianus Jordan			High										High	High	High	High
Ranunculus hederaceus L.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Quercus petraea			High										
Quercus petraea (Mattuschka) Liebl.	High												
Quercus polycarpa Schur													
Quercus pubescens Willd.	High	High		High									
Quercus pyrenaica Willd.	High			High									
Quercus robur L.	High			High									
Quercus suber L.	High	High		High									
Quercus trojana Webb													
Ranunculus aconitifolius L.	High											High	High
Ranunculus acris L.													
Ranunculus aduncus Gren.													
Ranunculus alpestris L.													
Ranunculus aquatilis			High										
Ranunculus aquatilis L.												High	High
Ranunculus arvensis			High										
Ranunculus arvensis L.													
Ranunculus auricomus L.													
Ranunculus brevifolius Ten.					High	High							
Ranunculus brutius Ten.													
Ranunculus bulbosus L.													
Ranunculus bullatus L.													
Ranunculus carinthiacus Hoppe													
Ranunculus cassubicus L.													
Ranunculus chius DC.													
Ranunculus circinatus Sibth.												High	High
Ranunculus fallax (Wimmer & Grab.) Sloboda													
Ranunculus ficaria L.	High												
Ranunculus flammula L.							High	High				High	High
Ranunculus fluitans Lam.												High	High
Ranunculus fontanus C. Presl												High	High
Ranunculus glacialis L.					High	High							
Ranunculus gracilis E.D. Clarke													
Ranunculus gramineus L.													
Ranunculus grenierianus Jordan		High											
Ranunculus hederaceus L.							High	High				High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Ranunculus hybridus Biria			High													High
Ranunculus illyricus L.			High													High
Ranunculus lanuginosus L.													High	High	High	
Ranunculus lateriflorus DC.																
Ranunculus lingua L.			High													High
Ranunculus macrophyllus Desf.			High													High
Ranunculus millefoliatus Vahl			High													High
Ranunculus monspeliacus L.			High													High
Ranunculus montanus Willd.			High										High	High	High	High
Ranunculus muricatus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Ranunculus ololeucos Lloyd																
Ranunculus omiophyllus Ten.																
Ranunculus ophioglossifolius Vill.																
Ranunculus oreophilus Bieb.			High													High
Ranunculus paludosus Poiret			High													High
Ranunculus parnassiifolius L.																
Ranunculus parviflorus L.	High	High		High	High	High	High	High	High	High	High	High				
Ranunculus pedatus Waldst. & Kit.			High													High
Ranunculus peltatus													High			
Ranunculus peltatus Schrank																
Ranunculus penicillatus (Dumort.) Bab.																
Ranunculus platanifolius L.			High										High	High	High	High
Ranunculus polyanthemos L.			High										High	High	High	High
Ranunculus pseudomontanus Schur			High													High
Ranunculus psilostachys Griseb.			High													High
Ranunculus pygmaeus Wahlenb.			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Ranunculus hybridus Biria					High	High							
Ranunculus illyricus L.													
Ranunculus lanuginosus L.	High												
Ranunculus lateriflorus DC.												High	High
Ranunculus lingua L.													
Ranunculus macrophyllus Desf.												High	High
Ranunculus millefoliatus Vahl					High	High							
Ranunculus monspeliacus L.													
Ranunculus montanus Willd.					High	High							
Ranunculus muricatus L.													
Ranunculus ololeucos Lloyd												High	High
Ranunculus omiophyllus Ten.												High	High
Ranunculus ophioglossifolius Vill.									High	High	High	High	High
Ranunculus oreophilus Bieb.					High	High							
Ranunculus paludosus Poiret													
Ranunculus parnassiifolius L.					High	High							
Ranunculus parviflorus L.													
Ranunculus pedatus Waldst. & Kit.													
Ranunculus peltatus			High										
Ranunculus peltatus Schrank									High	High	High	High	High
Ranunculus penicillatus (Dumort.) Bab.												High	High
Ranunculus platanifolius L.	High											High	High
Ranunculus polyanthemos L.	High												
Ranunculus pseudomontanus Schur					High	High							
Ranunculus psilostachys Griseb.													
Ranunculus pygmaeus Wahlenb.					High	High							

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Ranunculus repens L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Ranunculus reptans L.																
Ranunculus revelieri Boreau			High													High
Ranunculus rionii Lagger																
Ranunculus sardous Crantz	High	High	High	High	High	High	High	High	High	High	High	High				High
Ranunculus sceleratus L.																
Ranunculus seguieri Vill.																
Ranunculus serbicus Vis.			High													High
Ranunculus strigulosus Schur			High													High
Ranunculus thora L.			High													High
Ranunculus trichophyllus Chaix																
Ranunculus trilobus Desf.	High	High		High	High	High	High	High	High	High	High	High				
Ranunculus tripartitus DC.																
Ranunculus velutinus Ten.			High										High	High	High	High
Reseda lutea													High			
Reynoutria japonica Houtt.	High	High	High	High	High	High	High	High	High	High	High	High				High
Reynoutria sachalinensis (Friedrich Schmidt Petrop.) Nakai	High	High	High	High	High	High	High	High	High	High	High	High				High
Rhamnus alaternus L.													High	High	High	
Rhamnus catharticus L.													High	High	High	
Rhynchospora alba													High	High	High	
Rhynchospora fusca													High	High	High	
Ribes nigrum																
Ribes rubrum													High	High	High	
Ribes rubrum L.													High	High	High	
Roemeria hybrida (L.) DC.	High	High		High	High	High	High	High	High	High	High	High				
Rorippa austriaca														High	High	
Rorippa microphylla													High	High	High	
Rorippa nasturtium-aquaticum													High	High	High	
Rorippa palustris														High	High	
Rorippa sylvestris													High	High	High	
Rorippa x anceps														High		
Rosa arvensis														High		
Rosa pimpinellifolia													High	High	High	
Rosa rugosa													High		High	
Rubus caesius L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Rubus idaeus L.			High										High	High	High	High
Rumex acetosa L.			High													High
Rumex acetosella L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Ranunculus repens L.	High											High	High
Ranunculus reptans L.												High	High
Ranunculus revelieri Boreau												High	High
Ranunculus rionii Lagger												High	High
Ranunculus sardous Crantz												High	High
Ranunculus sceleratus L.												High	High
Ranunculus seguieri Vill.					High	High							
Ranunculus serbicus Vis.												High	High
Ranunculus strigulosus Schur													
Ranunculus thora L.					High	High							
Ranunculus trichophyllus Chaix												High	High
Ranunculus trilobus Desf.												High	High
Ranunculus tripartitus DC.												High	High
Ranunculus velutinus Ten.													
Reseda lutea													
Reynoutria japonica Houtt.												High	High
Reynoutria sachalinensis (Friedrich Schmidt Petrop.) Nakai												High	High
Rhamnus alaternus L.		High											
Rhamnus catharticus L.	High												
Rhynchospora alba			High										
Rhynchospora fusca			High										
Ribes nigrum			High										
Ribes rubrum			High										
Ribes rubrum L.	High												
Roemeria hybrida (L.) DC.													
Rorippa austriaca													
Rorippa microphylla			High										
Rorippa nasturtium-aquaticum			High										
Rorippa palustris			High										
Rorippa sylvestris			High										
Rorippa x anceps													
Rosa arvensis			High										
Rosa pimpinellifolia			High										
Rosa rugosa			High										
Rubus caesius L.	High			High									
Rubus idaeus L.	High											High	High
Rumex acetosa L.													
Rumex acetosella L.	High			High	High	High							

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Rumex alpestris Jacq.			High										High	High	High	High
Rumex alpinus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex aquaticus L.			High													High
Rumex bucephalophorus L.	High	High		High	High	High	High	High	High	High	High	High				
Rumex conglomeratus Murray			High													High
Rumex crispus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex cristatus DC.	High	High		High	High	High	High	High	High	High	High	High				
Rumex hydrolapathum Hudson			High													High
Rumex intermedius DC.	High	High		High	High	High	High	High	High	High	High	High				
Rumex longifolius DC.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex maritimus L.																
Rumex nebroides Campd.			High													High
Rumex nepalensis Sprengel													High	High	High	
Rumex nivalis Hegetschw.			High													High
Rumex obtusifolius L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex palustris Sm.																
Rumex patientia L.	High	High		High	High	High	High	High	High	High	High	High				
Rumex pseudonatronatus Borb s																
Rumex pulcher L.	High	High		High	High	High	High	High	High	High	High	High				
Rumex rupestris Le Gall																
Rumex salicifolius (Danser) Hickman			High													High
Rumex sanguineus L.			High										High	High	High	High
Rumex scutatus L.																
Rumex stenophyllus Ledeb.			High													High
Rumex thyrsiflorus Fingerh.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex tuberosus L.			High										High	High	High	High
Sagina apetala Ard.	High	High		High	High	High	High	High	High	High	High	High				
Sagina glabra (Willd.) Fenzl			High													High
Sagina maritima G. Don			High													High
Sagina nodosa																
Sagina nodosa (L.) Fenzl																
Sagina procumbens																
Sagina procumbens L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Sagina saginoides (L.) Karsten	High	High	High	High	High	High	High	High	High	High	High	High				High
Sagina subulata													High	High	High	
Sagina subulata (Swartz) C. Presl																
Sagittaria sagittifolia													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Rumex alpestris Jacq.													
Rumex alpinus L.													
Rumex aquaticus L.													
Rumex bucephalophorus L.		High		High	High	High			High	High	High		
Rumex conglomeratus Murray												High	High
Rumex crispus L.													
Rumex cristatus DC.									High	High	High		
Rumex hydrolapathum Hudson													
Rumex intermedius DC.													
Rumex longifolius DC.													
Rumex maritimus L.												High	High
Rumex nebroides Campd.													
Rumex nepalensis Sprengel													
Rumex nivalis Hegetschw.													
Rumex obtusifolius L.													
Rumex palustris Sm.												High	High
Rumex patientia L.													
Rumex pseudonatronatus Borb s									High	High	High	High	High
Rumex pulcher L.													
Rumex rupestris Le Gall				High			High	High	High	High	High		
Rumex salicifolius (Danser) Hickman													
Rumex sanguineus L.	High												
Rumex scutatus L.					High	High							
Rumex stenophyllus Ledeb.												High	High
Rumex thyrsiflorus Fingerh.													
Rumex tuberosus L.					High	High							
Sagina apetala Ard.				High								High	High
Sagina glabra (Willd.) Fenzl													
Sagina maritima G. Don									High	High	High		
Sagina nodosa			High										
Sagina nodosa (L.) Fenzl									High	High	High	High	High
Sagina procumbens			High										
Sagina procumbens L.												High	High
Sagina saginoides (L.) Karsten							High	High				High	High
Sagina subulata			High										
Sagina subulata (Swartz) C. Presl					High	High							
Sagittaria sagittifolia													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Salicornia europaea + Salicornia procumbens													High	High	High	
Salicornia europaea L.																
Salix alba													High		High	
Salix alba L.													High	High	High	
Salix alpina Scop.			High													High
Salix appendiculata Vill.																
Salix arbuscula L.																
Salix atrocinerea Brot.													High	High	High	
Salix aurita													High		High	
Salix breviserrata B. Flod.																
Salix caesia Vill.																
Salix caprea													High			
Salix caprea L.													High	High	High	
Salix cinerea													High		High	
Salix cinerea L.													High	High	High	
Salix daphnoides Vill.													High	High	High	
Salix elaeagnos Scop.													High	High	High	
Salix foetida Schleicher																
Salix fragilis L.													High	High	High	
Salix glabra Scop.																
Salix glaucosericea B. Flod.			High										High	High	High	High
Salix hastata L.													High	High	High	
Salix helvetica Vill.													High	High	High	
Salix herbacea L.			High													High
Salix lanata L.																
Salix lapponum L.			High													High
Salix myrsinifolia Salisb.													High	High	High	
Salix myrsinites L.																
Salix myrtilloides L.													High	High	High	
Salix pedicellata Desf.																
Salix pentandra L.													High	High	High	
Salix phylicifolia L.																
Salix purpurea L.													High	High	High	
Salix repens													High	High	High	
Salix repens L.													High	High	High	
Salix reticulata L.			High													High
Salix retusa L.			High													High
Salix rosmarinifolia L.																
Salix serpillifolia Scop.			High													High
Salix silesiaca Willd.																
Salix starkeana Willd.			High										High	High	High	High
Salix triandra													High			

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Salicornia europaea + Salicornia procumbens													
Salicornia europaea L.									High	High	High		
Salix alba			High										
Salix alba L.				High									
Salix alpina Scop.													
Salix appendiculata Vill.												High	High
Salix arbuscula L.	High												
Salix atrocinerea Brot.	High						High	High					
Salix aurita			High										
Salix breviserrata B. Flod.	High						High	High				High	High
Salix caesia Vill.							High	High					
Salix caprea			High										
Salix caprea L.	High												
Salix cinerea			High										
Salix cinerea L.												High	High
Salix daphnoides Vill.												High	High
Salix elaeagnos Scop.												High	High
Salix foetida Schleicher	High												
Salix fragilis L.												High	High
Salix glabra Scop.												High	High
Salix glaucosericea B. Flod.	High												
Salix hastata L.												High	High
Salix helvetica Vill.	High												
Salix herbacea L.					High	High							
Salix lanata L.	High												
Salix lapponum L.	High						High	High					
Salix myrsinifolia Salisb.	High											High	High
Salix myrsinites L.	High				High	High	High	High					
Salix myrtilloides L.													
Salix pedicellata Desf.	High											High	High
Salix pentandra L.	High											High	High
Salix phylicifolia L.	High						High	High					
Salix purpurea L.												High	High
Salix repens			High										
Salix repens L.	High			High			High	High				High	High
Salix reticulata L.					High	High							
Salix retusa L.													
Salix rosmarinifolia L.				High								High	High
Salix serpillifolia Scop.					High	High							
Salix silesiaca Willd.	High				High	High							
Salix starkeana Willd.													
Salix triandra			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Salix triandra L.			High										High	High	High	High
Salix viminalis														High		
Salix viminalis L.													High	High	High	
Salix waldsteiniana Willd.																
Salsola kali L.																
Salsola kali subsp. kali													High		High	
Salsola soda L.																
Salsola vermiculata L.																
Salvia verbenaca													High			
Salvia verticillata													High		High	
Salvinia natans													High			
Salvinia natans (L.) All.																
Sambucus nigra													High			
Samolus valerandi													High			
Sanguisorba minor													High			
Sanguisorba minor Scop.	High	High	High	High	High	High	High	High	High	High	High	High				High
Sanguisorba officinalis L.			High													High
Saponaria bellidifolia Sm.			High													High
Saponaria calabrica Guss.	High	High		High	High	High	High	High	High	High	High	High				
Saponaria lutea L.			High													High
Saponaria ocymoides L.													High	High	High	
Saponaria officinalis L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Saponaria pumilio (L.) Fenzl ex A. Braun																
Saponaria sicula Rafin.																
Satureja acinos														High	High	
Satureja calamintha subsp. sylvatica														High	High	
Satureja vulgaris														High	High	
Saxifraga granulata														High	High	
Saxifraga hirculus													High			
Saxifraga hirculus L.																
Saxifraga tridactylites													High			
Scabiosa columbaria													High		High	
Scabiosa columbaria L.			High													High
Scheuchzeria palustris													High		High	
Schoenus nigricans													High	High	High	
Scilla non-scripta													High			
Scirpus americanus													High		High	
Scirpus cariciformis													High		High	
Scirpus cespitosus subsp. germanicus													High		High	
Scirpus fluitans													High		High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Salix triandra L.													
Salix viminalis													
Salix viminalis L.												High	High
Salix waldsteiniana Willd.												High	High
Salsola kali L.									High	High	High		
Salsola kali subsp. kali			High										
Salsola soda L.									High	High	High		
Salsola vermiculata L.									High	High	High		
Salvia verbenaca			High										
Salvia verticillata			High										
Salvinia natans			High										
Salvinia natans (L.) All.												High	High
Sambucus nigra			High										
Samolus valerandi													
Sanguisorba minor													
Sanguisorba minor Scop.	High			High									
Sanguisorba officinalis L.													
Saponaria bellidifolia Sm.					High	High							
Saponaria calabrica Guss.					High	High							
Saponaria lutea L.													
Saponaria ocymoides L.					High	High							
Saponaria officinalis L.													
Saponaria pumilio (L.) Fenzl ex A. Braun					High	High							
Saponaria sicula Rafin.					High	High							
Satureja acinos													
Satureja calamintha subsp. sylvatica													
Satureja vulgaris													
Saxifraga granulata													
Saxifraga hirculus			High										
Saxifraga hirculus L.							High	High					
Saxifraga tridactylites			High										
Scabiosa columbaria			High										
Scabiosa columbaria L.	High												
Scheuchzeria palustris			High										
Schoenus nigricans			High										
Scilla non-scripta													
Scirpus americanus			High										
Scirpus cariciformis			High										
Scirpus cespitosus subsp. germanicus			High										
Scirpus fluitans			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Scirpus lacustris subsp. lacustris													High		High	
Scirpus lacustris subsp. tabernaemontani													High	High	High	
Scirpus maritimus													High	High	High	
Scirpus rufus													High			
Scirpus setaceus													High		High	
Scleranthus annuus L.	High	High		High	High	High	High	High	High	High	High	High				
Scleranthus perennis L.			High													High
Scleranthus polycarpos													High			
Scleranthus uncinatus Schur													High	High	High	
Scrophularia auriculata													High			
Scrophularia umbrosa subsp. umbrosa													High			
Scutellaria minor													High			
Sedum acre													High			
Sedum acre L.													High	High	High	
Sedum album L.			High													High
Sedum forsterianum													High			
Sedum reflexum													High			
Sedum telephium L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Selaginella denticulata (L.) Spring																
Selaginella helvetica (L.) Spring			High													High
Selaginella selaginoides (L.) Beauv. ex Schrank & C.F.P. Mart.			High													High
Selinum carvifolia														High		
Selinum carvifolia (L.) L.			High													High
Senecio fluviatilis													High		High	
Senecio vulgaris														High		
Silaum silaus (L.) Schinz & Thell.			High													High
Silene acaulis (L.) Jacq.			High													High
Silene alpestris Jacq.																
Silene apetala Willd.																
Silene armeria L.			High										High	High	High	High
Silene behen L.																
Silene bellidifolia Juss. ex Jacq.	High	High		High	High	High	High	High	High	High	High	High				

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Scirpus lacustris subsp. lacustris			High										
Scirpus lacustris subsp. tabernaemontani			High										
Scirpus maritimus			High										
Scirpus rufus													
Scirpus setaceus			High										
Scleranthus annuus L.													
Scleranthus perennis L.	High			High	High	High							
Scleranthus polycarpos													
Scleranthus uncinatus Schur					High	High							
Scrophularia auriculata			High										
Scrophularia umbrosa subsp. umbrosa													
Scutellaria minor													
Sedum acre			High										
Sedum acre L.				High					High	High	High		
Sedum album L.				High	High	High							
Sedum forsterianum			High										
Sedum reflexum			High										
Sedum telephium L.				High	High	High			High	High	High		
Selaginella denticulata (L.) Spring					High	High							
Selaginella helvetica (L.) Spring							High	High					
Selaginella selaginoides (L.) Beauv. ex Schrank & C.F.P. Mart.							High	High					
Selinum carvifolia			High										
Selinum carvifolia (L.) L.													
Senecio fluviatilis			High										
Senecio vulgaris													
Silaum silaus (L.) Schinz & Thell.			High										
Silene acaulis (L.) Jacq.	High				High	High							
Silene alpestris Jacq.					High	High							
Silene apetala Willd.		High											
Silene armeria L.				High									
Silene behen L.		High											
Silene bellidifolia Juss. ex Jacq.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Silene borysthenica (Gruner) Walters			High													High
Silene chlorantha (Willd.) Ehrh.			High										High	High	High	High
Silene ciliata Pourret			High													High
Silene coeli-rosa (L.) Godron																
Silene colorata Poiret	High	High		High	High	High	High	High	High	High	High	High				
Silene conica L.																
Silene conoidea L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Silene cretica L.	High	High		High	High	High	High	High	High	High	High	High				
Silene dichotoma Ehrh.	High	High		High	High	High	High	High	High	High	High	High				
Silene dioica													High			
Silene dioica (L.) Clairv.			High										High	High	High	High
Silene flavescens Waldst. & Kit.													High	High	High	
Silene fruticosa L.																
Silene fuscata Link ex Brot.	High	High		High	High	High	High	High	High	High	High	High				
Silene gallica L.	High	High		High	High	High	High	High	High	High	High	High				
Silene italica (L.) Pers.			High													High
Silene latifolia (subsp. alba)													High			
Silene latifolia Poiret	High	High		High	High	High	High	High	High	High	High	High				
Silene linicola C.C. Gmelin	High	High		High	High	High	High	High	High	High	High	High				
Silene multicaulis Guss.			High													High
Silene muscipula L.	High	High		High	High	High	High	High	High	High	High	High				
Silene noctiflora L.	High	High		High	High	High	High	High	High	High	High	High				
Silene nocturna L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Silene nutans													High		High	
Silene nutans L.			High										High	High	High	High
Silene otites													High		High	
Silene otites (L.) Wibel			High										High	High	High	High
Silene paradoxa L.													High	High	High	
Silene parnassica Boiss. & Spruner																
Silene pusilla Waldst. & Kit.																
Silene roemeri Friv.			High													High
Silene rupestris L.																
Silene saxifraga L.																
Silene sedoides Poiret	High	High		High	High	High	High	High	High	High	High	High				
Silene sericea All.																
Silene succulenta ForskÅl																
Silene tatarica (L.) Pers.																
Silene uniflora Roth																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Silene borysthenica (Gruner) Walters				High									
Silene chlorantha (Willd.) Ehrh.													
Silene ciliata Pourret					High	High							
Silene coeli-rosa (L.) Godron		High											
Silene colorata Poiret				High	High	High							
Silene conica L.				High									
Silene conoidea L.													
Silene cretica L.													
Silene dichotoma Ehrh.													
Silene dioica			High										
Silene dioica (L.) Clairv.	High											High	High
Silene flavescens Waldst. & Kit.					High	High							
Silene fruticosa L.					High	High							
Silene fuscata Link ex Brot.													
Silene gallica L.													
Silene italica (L.) Pers.													
Silene latifolia (subsp. alba)			High										
Silene latifolia Poiret													
Silene linicola C.C. Gmelin													
Silene multicaulis Guss.					High	High							
Silene muscipula L.													
Silene noctiflora L.													
Silene nocturna L.		High			High	High							
Silene nutans			High										
Silene nutans L.				High									
Silene otites			High										
Silene otites (L.) Wibel				High									
Silene paradoxa L.					High	High							
Silene parnassica Boiss. & Spruner					High	High							
Silene pusilla Waldst. & Kit.					High	High	High	High				High	High
Silene roemeri Friv.													
Silene rupestris L.				High	High	High							
Silene saxifraga L.					High	High							
Silene sedoides Poiret					High	High			High	High	High		
Silene sericea All.				High									
Silene succulenta ForskÅl				High									
Silene tatarica (L.) Pers.				High									
Silene uniflora Roth					High	High			High	High	High		

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Silene vallesia L.																
Silene veselskyi (Janka) H. Neumayer																
Silene viridiflora L.													High	High	High	
Silene vulgaris (Moench) Garcke	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Sisymbrium irio													High		High	
Sisymbrium supinum L.			High													High
Soleirolia soleirolii (Req.) Dandy			High													High
Solidago virgaurea													High			
Solidago virgaurea L.			High										High	High	High	High
Sonchus arvensis var. arvensis													High			
Sonchus asper													High			
Sonchus oleraceus													High			
Sonchus palustris													High			
Sorbus aucuparia													High			
Sorbus aucuparia L.			High										High	High	High	High
Sparganium erectum													High			
Sparganium natans													High	High	High	
Spartina townsendii													High	High		
Spergula arvensis L.	High	High		High	High	High	High	High	High	High	High	High				
Spergula morisonii Boreau													High	High	High	
Spergula pentandra L.																
Spergularia diandra (Guss.) Boiss.	High	High		High	High	High	High	High	High	High	High	High				
Spergularia echinosperma (Celak.) Ascherson & Graebner																
Spergularia heldreichii Fouc. ex E. Simon secundus & P. Monnier																
Spergularia macrorhiza (Req.) Heynh.																
Spergularia marina (L.) Griseb.																
Spergularia media (L.) C. Presl																
Spergularia nicaeensis Sarato ex Burnat																
Spergularia rubra (L.) J. & C. Presl	High	High	High	High	High	High	High	High	High	High	High	High				High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Silene vallesia L.					High	High							
Silene veselskyi (Janka) H. Neumayer					High	High							
Silene viridiflora L.													
Silene vulgaris (Moench) Garcke													
Sisymbrium irio			High										
Sisymbrium supinum L.					High	High							
Soleirolia soleirolii (Req.) Dandy													
Solidago virgaurea			High										
Solidago virgaurea L.	High			High									
Sonchus arvensis var. arvensis													
Sonchus asper			High										
Sonchus oleraceus			High										
Sonchus palustris			High										
Sorbus aucuparia			High										
Sorbus aucuparia L.	High												
Sparganium erectum			High										
Sparganium natans			High										
Spartina townsendii													
Spergula arvensis L.													
Spergula morisonii Boreau				High									
Spergula pentandra L.				High									
Spergularia diandra (Guss.) Boiss.				High					High	High	High		
Spergularia echinosperma (Celak.) Ascherson & Graebner												High	High
Spergularia heldreichii Fouc. ex E. Simon secundus & P. Monnier									High	High	High		
Spergularia macrorhiza (Req.) Heynh.									High	High	High		
Spergularia marina (L.) Griseb.									High	High	High		
Spergularia media (L.) C. Presl									High	High	High		
Spergularia nicaeensis Sarato ex Burnat									High	High	High		
Spergularia rubra (L.) J. & C. Presl				High								High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Spergularia rupicola Lebel ex Le Jolis																
Spergularia segetalis (L.) G. Don fil.																
Stachys sylvatica																
Stellaria aquatica													High	High	High	
Stellaria crassifolia Ehrh.																
Stellaria graminea L.			High										High	High	High	High
Stellaria holostea L.													High	High	High	
Stellaria longifolia Muhl. ex Willd.													High	High	High	
Stellaria media (L.) Vill.	High	High		High	High	High	High	High	High	High	High	High				
Stellaria neglecta Weihe	High	High	High	High	High	High	High	High	High	High	High	High				High
Stellaria nemorum L.			High										High	High	High	High
Stellaria palustris Retz.			High													High
Stellaria uliginosa													High			
Stellaria uliginosa Murray			High													High
Suaeda maritima													High		High	
Suaeda maritima (L.) Dumort.																
Suaeda splendens (Pourret) Gren. & Godron																
Suaeda vera J.F. Gmelin																
Succisa pratensis Moench			High													High
Tanacetum vulgare													High			
Taxus baccata L.													High	High	High	
Telephium imperati L.																
Tetragonolobus maritimus													High	High		
Teucrium montanum													High			
Teucrium scorodonia L.			High										High	High	High	High
Thalictrum alpinum L.			High													High
Thalictrum aquilegiifolium L.			High										High	High	High	High
Thalictrum flavum																
Thalictrum flavum L.			High													High
Thalictrum foetidum L.			High													High
Thalictrum lucidum L.			High										High	High	High	High
Thalictrum minus L.			High										High	High	High	High
Thalictrum simplex L.			High													High
Thelypteris palustris Schott			High										High	High	High	High
Thesium alpinum L.			High													High
Thesium arvense Horv tovszky			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Spergularia rupicola Lebel ex Le Jolis									High	High	High		
Spergularia segetalis (L.) G. Don fil.												High	High
Stachys sylvatica			High										
Stellaria aquatica													
Stellaria crassifolia Ehrh.							High	High					
Stellaria graminea L.													
Stellaria holostea L.	High												
Stellaria longifolia Muhl. ex Willd.													
Stellaria media (L.) Vill.												High	High
Stellaria neglecta Weihe									High	High	High		
Stellaria nemorum L.	High						High	High				High	High
Stellaria palustris Retz.							High	High					
Stellaria uliginosa			High										
Stellaria uliginosa Murray							High	High					
Suaeda maritima			High										
Suaeda maritima (L.) Dumort.									High	High	High		
Suaeda splendens (Pourret) Gren. & Godron									High	High	High		
Suaeda vera J.F. Gmelin									High	High	High		
Succisa pratensis Moench	High						High	High					
Tanacetum vulgare			High										
Taxus baccata L.													
Telephium imperati L.					High	High							
Tetragonolobus maritimus			High										
Teucrium montanum			High										
Teucrium scorodonia L.	High												
Thalictrum alpinum L.							High	High					
Thalictrum aquilegiifolium L.													
Thalictrum flavum			High										
Thalictrum flavum L.													
Thalictrum foetidum L.					High	High							
Thalictrum lucidum L.	High												
Thalictrum minus L.	High												
Thalictrum simplex L.													
Thelypteris palustris Schott							High	High					
Thesium alpinum L.					High	High							
Thesium arvense Horv tovszky													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Thesium bavarum Schrank			High										High	High	High	High
Thesium divaricatum Jan ex Mert. & Koch													High	High	High	
Thesium dollineri Murb.	High	High	High	High	High	High	High	High	High	High	High	High				High
Thesium ebracteatum Hayne																
Thesium humifusum																
Thesium humifusum DC.			High													High
Thesium humile Vahl	High	High		High	High	High	High	High	High	High	High	High				
Thesium linophyllon L.			High													High
Thesium parnassi A. DC.			High													High
Thesium pyrenaicum													High	High	High	
Thesium pyrenaicum Pourret			High													High
Thesium rostratum Mert. & Koch													High	High	High	
Thlaspi arvense													High			
Thlaspi caerulescens													High			
Thlaspi perfoliatum													High	High	High	
Thymus pulegioides																
Thymus serpyllum													High			
Tilia cordata														High		
Tragopogon pratensis subsp. orientalis													High			
Tragopogon pratensis subsp. pratensis													High			
Trichomanes speciosum Willd.																
Trientalis europaea																
Trifolium arvense													High			
Trifolium campestre													High			
Trifolium dubium																
Trifolium pratense													High	High		
Trifolium repens													High			
Trifolium repens L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Trifolium scabrum													High			
Trollius europaeus L.			High													High
Tuberaria guttata														High		
Typha latifolia														High		
Ulex europaeus													High			
Ulex europaeus L.													High	High	High	
Ulmus glabra Hudson			High										High	High	High	High
Ulmus laevis Pallas													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Thesium bavarum Schrank	High												
Thesium divaricatum Jan ex Mert. & Koch		High											
Thesium dollineri Murb.				High									
Thesium ebracteatum Hayne				High									
Thesium humifusum			High										
Thesium humifusum DC.													
Thesium humile Vahl		High		High					High	High	High		
Thesium linophyllon L.													
Thesium parnassi A. DC.													
Thesium pyrenaicum			High										
Thesium pyrenaicum Pourret													
Thesium rostratum Mert. & Koch													
Thlaspi arvense			High										
Thlaspi caerulescens			High										
Thlaspi perfoliatum			High										
Thymus pulegioides			High										
Thymus serpyllum													
Tilia cordata													
Tragopogon pratensis subsp. orientalis			High										
Tragopogon pratensis subsp. pratensis			High										
Trichomanes speciosum Willd.					High	High							
Trientalis europaea			High										
Trifolium arvense			High										
Trifolium campestre			High										
Trifolium dubium			High										
Trifolium pratense													
Trifolium repens													
Trifolium repens L.				High									
Trifolium scabrum			High										
Trollius europaeus L.													
Tuberaria guttata			High										
Typha latifolia													
Ulex europaeus													
Ulex europaeus L.	High			High									
Ulmus glabra Hudson	High												
Ulmus laevis Pallas	High												

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Ulmus minor Miller													High	High	High	
Urtica atrovirens Req. ex Loisel.	High	High		High	High	High	High	High	High	High	High	High				
Urtica dioica L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Urtica kioviensis Rogow.	High	High	High	High	High	High	High	High	High	High	High	High				High
Urtica membranacea Poiret	High	High		High	High	High	High	High	High	High	High	High				
Urtica pilulifera L.	High	High		High	High	High	High	High	High	High	High	High				
Urtica urens L.	High	High		High	High	High	High	High	High	High	High	High				
Utricularia ochroleuca														High		
Utricularia vulgaris														High		
Vaccaria hispanica (Miller) Rauschert			High													High
Vaccinium myrtillus L.			High										High	High	High	High
Vaccinium oxycoccos L.													High	High	High	
Vaccinium uliginosum													High			
Vaccinium uliginosum L.			High										High	High	High	High
Vaccinium vitis-idaea L.													High	High	High	
Valeriana montana L.			High													High
Valeriana officinalis													High			
Velezia rigida L.			High													High
Veronica austriaca subsp. teucrium													High		High	
Veronica catenata													High			
Veronica chamaedrys																
Veronica chamaedrys L.			High										High	High	High	High
Veronica opaca													High			
Veronica praecox																
Veronica triphyllos														High		
Veronica verna													High			
Viola calaminaria													High			
Viola calaminaria (DC.) Lej.			High													High
Viola canina L.			High										High	High	High	High
Viola hirta													High			
Viola odorata													High	High	High	
Viola palustris L.			High										High	High	High	High
Viola persicifolia Schreber			High													High
Viola reichenbachiana														High		
Viola tricolor L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Viscum album L.													High	High	High	
Woodsia alpina (Bolton) S.F. Gray																
Woodsia ilvensis (L.) R. Br.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Ulmus minor Miller	High			High									
Urtica atrovirens Req. ex Loisel.					High	High							
Urtica dioica L.	High											High	High
Urtica kioviensis Rogow.													
Urtica membranacea Poiret													
Urtica pilulifera L.													
Urtica urens L.													
Utricularia ochroleuca													
Utricularia vulgaris													
Vaccaria hispanica (Miller) Rauschert													
Vaccinium myrtillus L.	High												
Vaccinium oxycoccos L.	High						High	High					
Vaccinium uliginosum													
Vaccinium uliginosum L.	High						High	High					
Vaccinium vitis-idaea L.	High												
Valeriana montana L.					High	High							
Valeriana officinalis													
Velezia rigida L.													
Veronica austriaca subsp. teucrium			High										
Veronica catenata													
Veronica chamaedrys			High										
Veronica chamaedrys L.	High												
Veronica opaca			High										
Veronica praecox			High										
Veronica triphyllos													
Veronica verna			High										
Viola calaminaria													
Viola calaminaria (DC.) Lej.													
Viola canina L.				High									
Viola hirta													
Viola odorata			High										
Viola palustris L.							High	High					
Viola persicifolia Schreber													
Viola reichenbachiana													
Viola tricolor L.				High					High	High	High		
Viscum album L.	High												
Woodsia alpina (Bolton) S.F. Gray					High	High							
Woodsia ilvensis (L.) R. Br.					High	High							

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Woodwardia radicans (L.) Sm.																
Zostera noltii																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Woodwardia radicans (L.) Sm.		High											
Zostera noltii			High										

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Abies alba Miller	Medium	Low		High			Medium
Achyranthes aspera L.	Low	Not	High	High	Low	High	
Achyranthes sicula (L.) All.	Medium	Not	Not	Not	Medium	Low	
Aconitum anthora L.	Medium	Medium	Medium	Not	Medium	Low	Low
Aconitum burnatii G yer	Medium	Medium	Low	Not	Low	Medium	Low
Aconitum napellus L.	Low	Low	High	Not	High	Medium	Low
Aconitum variegatum L.	Medium	Low	Low	High	High	Medium	Medium
Actaea spicata L.	Medium	Medium	Low	High	Medium	Low	Medium
Adiantum capillus-veneris L.	Low	Medium	High	High	High	Low	Not
Adonis aestivalis L.	High	Medium	High	High	High	High	Low
Adonis annua L.	Medium	Low	High	High	Medium	Medium	Low
Adonis flammea Jacq.	Medium	Low	High	High	Not	High	Low
Adonis microcarpa DC.	Medium	Low	High	High	Medium	High	Not
Adonis vernalis L.	Low	Low	High	High	High	High	Low
Agrostemma githago L.		Low	High	High	Not		
Aizoon hispanicum L.	Medium		Not	High		High	
Alnus cordata (Loisel.) Loisel.	Low	Medium	Medium	High	Medium	Medium	Medium
Alnus glutinosa (L.) Gaertner	Low	Low	High	Not	Medium	Low	Medium
Alnus incana (L.) Moench	Medium	Medium	High	High	High	Medium	Medium
Alnus viridis (Chaix) DC.	Medium	Low	High	Not	Medium	Medium	High
Amaranthus albus L.	Low	High	Low	High	Low	High	Not
Amaranthus blitoides S. Watson	Low	Not	Not	High		Low	High
Amaranthus cruentus L.	Low	Not	Not	Not	Low	Medium	Not
Amaranthus deflexus L.	Medium	Not	Not	Not	High	Medium	Not
Amaranthus graecizans L.		Not	Not	High	Not	High	Not
Amaranthus hybridus L.	Low	Not	Low	High	Low	Low	Not
Amaranthus lividus L.	High	Not	Not	High	Low	Medium	Low
Amaranthus muricatus (Gillies ex Moq.	Medium	High	High	Not	Medium	Low	Not
Amaranthus powellii S. Watson	Medium	Not	Low	High	High	Low	High
Amaranthus retroflexus L.	Low	Not	Not	High	High	Medium	Not
Amaranthus viridis L.	Medium	High	Not	Not	Medium	Low	Not
Anemone apennina L.	Medium	Low	Medium	Not	Medium	Medium	Medium
Anemone baldensis L.	Medium	Not	High	High	High	Low	Not
Anemone coronaria L.	Low	High	High	High	Low	Medium	Not
Anemone hortensis L.	Medium	Not	High	Not	Medium	Medium	Not
Anemone narcissifolia L.	Low	High	Medium	High	Low	Medium	High
Anemone nemorosa L.	High	Low	High	High	Low	Medium	
Anemone palmata L.	Medium	Not	High	High	Low	Low	Not
Anemone pavonina Lam.	Medium	Not	High	Not	Low	Medium	High
Anemone ranunculoides L.	Medium	Medium	Not	High	High	Medium	Low
Anemone sylvestris L.	High	Low	High	Not	High	High	Low
Anemone trifolia L.	Medium	Medium	Low	High	Low	Medium	Medium
Anogramma leptophylla (L.) Link	Low	Not	Not	Not	Medium	High	High
Aptenia cordifolia (L. fil.) Schwantes	Medium	High	High	High		High	Not
Aquilegia alpina L.	Low	High	Medium	Not	Low	Medium	High
Aquilegia bertolonii Schott	Low	Medium	High	Not	Low	Low	Medium
Aquilegia einseleana F.W. Schultz	Low	Low	High	Not	Not	Medium	High
Aquilegia ottonis Orph. ex Boiss.	Medium	Low	Medium	Not	Low	Low	Medium
Aquilegia vulgaris L.	Low	Medium	Medium	High	Low	Low	Low
Arceuthobium oxycedri (DC.) Bieb.	Medium	Low		High		High	Not
Arenaria aggregata (L.) Loisel.	Low		High	High	High	Low	Not
Arenaria balearica L.	Low	Low	Not	High	Not	Medium	Medium
Arenaria bertolonii Fiori	Low	Low	High	High	Low	High	Low
Arenaria biflora L.	Low	Not	Not	High	Medium	Medium	High
Arenaria ciliata L.	Low	High	High	Not	Not	Low	High
Arenaria grandiflora L.	Medium		High	Not	High	Low	Medium
Arenaria norvegica Gunnerus		Not	Not	High	High	High	
Arenaria serpyllifolia L.		High	High	High	Low	Medium	Medium
Aristolochia clematitis L.	Low	Low	Not	High	High	Medium	Low
Aristolochia pallida Willd.	Medium	Not	High	High	Low	High	Not
Aristolochia pistolochia L.	Medium	High	Low	High	Low	Low	Not
Aristolochia rotunda L.	Medium	Medium	Low	Not	Low	Medium	High
Arthrocnemum fruticosum (L.) Moq.	Medium		High	High	Not	Low	High
Arthrocnemum macrostachyum (Moric.	Low		Low	High	Not	Medium	High
Arthrocnemum perenne (Miller) Moss	Medium		High	Not	Not	Medium	

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Asarum europaeum L.	Medium	Medium	Low	High	High	Low	Low
Asplenium adiantum-nigrum L.	Not	Low	High	Not	Low	Medium	Low
Asplenium adulterinum Milde	Medium	Low	Not	High	Medium	Low	Low
Asplenium ceterach L.	High	High	High	High	High	High	Not
Asplenium cuneifolium Viv.	Low	Low	Not	High	Low	Medium	Low
Asplenium fissum Kit. ex Willd.	Low	High	High	High	High	Low	Not
Asplenium fontanum (L.) Bernh.	High	Medium	High	High	Not	Medium	Low
Asplenium lepidum C. Presl	Medium	Low	Not	High	High	Medium	
Asplenium marinum L.	Not	Not	High	High	Medium	Medium	
Asplenium obovatum Viv.	Medium	Low	High	Not	Low	Low	Not
Asplenium onopteris L.	Medium	Medium	High	High	Medium	Medium	Not
Asplenium ruta-muraria L.	High	High	High	Not	High	High	
Asplenium sagittatum (DC.) Bange	Medium	High	Low	High	Not	Medium	Not
Asplenium scolopendrium L.	High	Low	Medium	High	High	Medium	Medium
Asplenium seelosii Leybold	Medium	Medium	Not	Not	Not	Low	High
Asplenium septentrionale (L.) Hoffm.	Low	Not	High	High	High	High	
Asplenium trichomanes L.	Low	Low	High	High	Medium	Medium	
Asplenium trichomanes-ramosum L.	High	Medium	Not	High	Not	Medium	Medium
Athyrium distentifolium Tausch ex Opiz	Low	Medium	Medium	Not	Medium	Medium	High
Athyrium filix-femina (L.) Roth	High	Medium	Low	Not	Low	Medium	
Atriplex calotheca (Rafn) Fries		Not	High	Not	High	Medium	Medium
Atriplex glabriuscula Edmondston	Medium	Not	Not	Low	Low	Medium	Low
Atriplex halimus L.	Low		High	Low	Medium	High	
Atriplex laciniata L.		High	High	Low	High	Medium	Low
Atriplex littoralis L.	Medium	Not	Not	Medium	Low	High	Low
Atriplex longipes Drejer	Medium	High	High	Medium	Medium	Medium	Low
Atriplex micrantha Ledeb.	Not	Not	High	Not		Medium	Medium
Atriplex nitens Schkuhr	High	Not	Not	High	High	Low	Low
Atriplex oblongifolia Waldst. & Kit.	Low	Not	Low	High	Low	Medium	Low
Atriplex patula L.		Low	High	High	Low	Medium	Medium
Atriplex prostrata (Boucher) ex DC.	Low	Not	Not	High	Medium	Medium	Low
Atriplex rosea L.	Low	Not	Medium	High	High	Medium	Low
Atriplex tatarica L.	High	Not	Low	High		Low	High
Azolla filiculoides Lam.	Low	Low	Not	Not	Low	Low	Not
Bassia hirsuta (L.) Ascherson	Medium	Not	Low	Medium	High	Low	Low
Bassia hyssopifolia (Pallas) O. Kuntze	High	High	High	High	Low	High	Low
Bassia laniflora (S. G. Gmelin) A. J. Sc	Low	Not	High	Not	High	High	Not
Bassia prostrata (L.) A. J. Scott	Not	Not	High	High	Low	High	Low
Bassia scoparia (L.) A. J. Scott	Not	Not	Medium	High	Not	Low	Low
Bassia sedoides (Pallas) Ascherson	Not	Not	Not	Medium	High	High	Low
Berberis vulgaris L.	Medium	Low	Low	High	High	Medium	High
Beta macrocarpa Guss.	Medium		Medium	Not	Low	Medium	Low
Beta trigyna Waldst. & Kit.	Medium	Not	High	Not	Medium	Low	
Beta vulgaris L.	Medium		Low	High	High	Medium	Low
Betula humilis Schrank	High	Medium	Low	Not	Low	Medium	Low
Betula nana L.	Medium	High	High	Not	High	Medium	Low
Betula pendula Roth	High	Low	High	High	Not	High	High
Betula pubescens Ehrh.	Not	Low	Low	High	High	Medium	High
Blechnum spicant (L.) Roth	High	Medium	High	High	Not	Medium	High
Botrychium lanceolatum (S.G. Gmelin)	Medium	Low	Medium	High	Medium	Medium	High
Botrychium lunaria (L.) Swartz	Low	High	Not	Not	High	Low	High
Botrychium matricariifolium (Retz.) A.	Low	Low	Not	High	Low	Medium	
Botrychium multifidum (S.G. Gmelin) I	Low	Low	Low	High	Low	Medium	Medium
Botrychium simplex E. Hitchc.	Low	Low	High	Not	High	Medium	Medium
Botrychium virginianum (L.) Swartz	Medium	Low	Not	Not	Low	Medium	Low
Callianthemum coriandrifolium Reicher	Medium	High	Medium	High	Low	Medium	High
Caltha palustris L.		Medium	High	Not	Low	Low	
Camphorosma monspeliaca L.	Low		High	Low	Low	High	Not
Capparis spinosa L.	Medium	High	Not	High	Medium	Low	
Carpinus betulus L.	Medium	Low	Not	High	Not	High	Low
Carpinus orientalis Miller	Medium	Low	Medium	High	Low	High	Low
Carpobrotus edulis (L.) N.E. Br.	Medium	Not	Low	Low	Low	High	
Castanea sativa Miller	High	Low	High	Not	Medium	Not	High
Celtis australis L.	Medium	Low	Medium	Not	High	High	Not
Cerastium alpinum L.	High	Not	High	High	Low	Low	Not

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Cerastium arvense L.	Medium	Not	Medium	Not	Medium	Medium	High
Cerastium brachypetalum Pers.	Medium	Not	High	High	High	Low	Low
Cerastium carinthiacum Vest	Medium	Not	High	Not	Low	Low	High
Cerastium cerastoides (L.) Britton		High	Medium	High	Low	Medium	High
Cerastium diffusum Pers.	High	High	High	Not	Low	Medium	Medium
Cerastium fontanum Baumg.	Medium	Low	Medium	High	Medium	Medium	High
Cerastium glomeratum Thuill.	High	Low	Medium	High	Medium	Medium	Medium
Cerastium latifolium L.	Low	Not	High	Not	Not	Low	High
Cerastium ligusticum Viv.	Medium		High	High	Low	High	Not
Cerastium pedunculatum Gaudin	Low	High	Low	High	Medium	Low	High
Cerastium pumilum Curtis	Medium	Not	High	High	High	High	Low
Cerastium semidecandrum L.	Low	Not	High	Not	Medium	High	Low
Cerastium siculum Guss.	Low		High	High	Low	High	Not
Cerastium sylvaticum Waldst. & Kit.	Medium	Medium	Low	Not	Low	Low	Low
Cerastium tomentosum L.	Low	High	Low	Not	High	Low	Medium
Cerastium uniflorum Clairv.	Low	Not	Low	High	Medium	Low	Not
Ceratocephala falcata (L.) Pers.	Low	Not	Medium	Not	High	Medium	Not
Ceratocephala testiculata (Crantz) Roth	Not	Not	High	High	High	High	Not
Ceratophyllum demersum L.		Low	Not	High	High	Not	Low
Ceratophyllum submersum L.	Medium	Low	Low	High	High	High	High
Cheilanthes maderensis Lowe	Low	Not	Not	Not	High	Low	Not
Cheilanthes persica (Bory) Mett. ex Kuh	Low	Not	High	High	Medium	High	Not
Chelidonium majus L.		Medium	Not	High	Low	Medium	Medium
Chenopodium album L.	Low	Low	Low	High	Medium	Medium	Medium
Chenopodium ambrosioides L.	Medium	High	Medium	Not	Medium	High	High
Chenopodium aristatum L.	Low	Not	Not	High		High	High
Chenopodium bonus-henricus L.	High	Not	Not	High	Medium	Medium	
Chenopodium botrys L.	High	Not	Medium	High	High	Medium	Not
Chenopodium chenopodioides (L.) Aell	Medium	High	High	High	High	Medium	Low
Chenopodium ficifolium Sm.	Low	Low	Low	High	Low	Medium	Low
Chenopodium foliosum (Moench) Asch	Not	Not	Low	High	Low	Medium	Medium
Chenopodium giganteum D. Don	Medium	Medium	High	High	Medium	Medium	Low
Chenopodium glaucum L.	High	Not	Not	Low	Low	Medium	Low
Chenopodium hybridum L.	High	Medium	Not	High	High	Medium	Low
Chenopodium multifidum L.	Medium	Not	Medium	High	Medium	High	Low
Chenopodium murale L.	Medium	Not	Not	High	High	Medium	Low
Chenopodium opulifolium Schrader ex	Medium	Not	Low	Not	High	Medium	Low
Chenopodium polyspermum L.	Medium	Low	Not	High	Low	Medium	Low
Chenopodium pumilio R. Br.		High	Not	Not	Low	Low	High
Chenopodium rubrum L.		High	Not	Not	Low	Medium	
Chenopodium suecicum J. Murr	Medium	Not	High	Not	Low	Medium	Low
Chenopodium urbicum L.	Low	Low	Low	High	High	Medium	Low
Chenopodium vulvaria L.	Medium	Low	Not	High	High	Medium	Low
Cimicifuga europaea Schipcz.	Low	Low	High	Not	Not	Medium	Medium
Claytonia perfoliata Donn ex Willd.	Medium	Low	High	High	High	Medium	Low
Claytonia sibirica L.		Low	Medium	High	Low	Medium	
Clematis alpina (L.) Miller	High	Medium	High	High	High	Medium	Low
Clematis cirrhosa L.	Medium	Low	Not	High	Low	High	
Clematis flammula L.	Medium	Low	Medium	Not	Medium	High	Not
Clematis integrifolia L.	Low	Low	High	High	Medium	Medium	Low
Clematis recta L.	Medium	Low	High	High	Not	High	Low
Clematis vitalba L.	Low	Low	Low	High	High	Medium	Low
Clematis viticella L.	High	Medium	High	High	Medium	Medium	Low
Consolida ajacis (L.) Schur	Medium		Medium	High	High	Medium	Low
Consolida orientalis (Gay) Schr"dinger	Medium	Not	Low	High	High	Medium	Not
Consolida pubescens (DC.) So½	Medium		High	High	Medium	Low	High
Consolida regalis S.F. Gray	Medium	Low	Medium	High	High	Medium	High
Corispermum canescens Kit.	High	High	Not	Not	Not	High	High
Corispermum hyssopifolium L.	Medium	High	Medium	Not	High	Low	Low
Corispermum intermedium Schweigger	High	Not	High	Not	Low	High	High
Corispermum marschallii Steven	Low	High	Medium	High	High	Medium	Low
Corispermum nitidum Kit.	Not	Not	High	Not	High	High	Not
Corrigiola litoralis L.	Not	High	Medium	High	Medium	Medium	Low
Corydalis capnoides (L.) Pers.	Low	Medium	Medium	High	Medium	Medium	Medium
Corydalis cava (L.) Schweigger & Koer	Medium	Medium	Not	High	High	Medium	Low

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Corydalis pumila (Host) Reichenb.	Medium	Medium	High	High	Medium	Low	Medium
Corydalis solida (L.) Clairv.	Medium	Medium	Low	High	High	Low	Low
Corylus avellana L.	Low	Low	Low	Not	Low	High	Medium
Cryptogramma crispa (L.) R. Br. ex Ho	Low	High	High	High	Low	Low	High
Cucubalus baccifer L.	Low	Low	Low	High	High	Medium	Low
Cupressus sempervirens L.	Medium	Medium	Low	Not		Low	High
Cycloloma atriplicifolia (Sprengel) J. M	Low	High	Not	Medium	Low	Low	Low
Cynomorium coccineum L.	Low		Medium	High	Low	Low	
Cystopteris dickieana R. Sim	Medium	Low	Not	Not	High	Medium	High
Cystopteris fragilis (L.) Bernh.	High	Low	Low	High	High	Medium	High
Cystopteris montana (Lam.) Desv.	Medium	Medium	High	High	Not	Medium	Not
Cystopteris sudetica A. Braun & Milde	Low	Low	High	High	High	Medium	Low
Cytinus hypocistis (L.) L.	Medium	Not	Not	High	High	Low	Not
Cytinus ruber (Fourr.) Komarov	Low	High	Not	High	Low	High	
Delphinium elatum L.	Medium	High	Low	High	Medium	Low	High
Delphinium fissum Waldst. & Kit.	Low	Not	High	High	High	High	Low
Delphinium halteratum Sm.	Low	Not	High	Not	Low	High	Not
Delphinium peregrinum L.	Low	Not	High	High	Low	High	Low
Delphinium pictum Willd.	High	Not	High	Not	High	Low	Not
Delphinium staphisagria L.	Medium	High	High	Not	Low	High	Not
Dianthus arenarius L.	Medium	High	Not	High	Medium	High	Low
Dianthus armeria L.	Medium	Low	High	High	Low	Low	Medium
Dianthus barbatus L.	Medium	Not	Low	High	Medium	Medium	Medium
Dianthus carthusianorum L.	Low	Medium	High	High	Low	Low	Medium
Dianthus ciliatus Guss.	Low	Low	High	High	Low	Low	Not
Dianthus collinus Waldst. & Kit.	High	Low	High	High	High	Medium	High
Dianthus deltoides L.	Medium	Not	High	Not	High	High	Medium
Dianthus ferrugineus Miller	Low	Medium	High	Not	Low	High	Low
Dianthus furcatus Balbis	Medium	High	High	Not	Not	Medium	High
Dianthus giganteiformis Borb s	Low	Not	High	High	High	Low	High
Dianthus glacialis Haenke	Medium	High	High	Not	Not	Medium	High
Dianthus gratianopolitanus Vill.	Medium	High	High	Not	Low	Low	High
Dianthus monspessulanus L.	Medium	Medium	Medium	High	Not	Medium	Low
Dianthus plumarius L.	Medium	High	Not	High	High	High	Low
Dianthus rupicola Biv.	High		Not	High	High	Low	
Dianthus seguieri Vill.	Medium	Low	High	High	High	Medium	Medium
Dianthus serotinus Waldst. & Kit.		High	High	High	Not	High	Low
Dianthus sternbergii Sieber ex Capelli	Medium	High	High	High	Low	Low	
Dianthus superbus L.	High	Not	Low	High	Not	Medium	Medium
Dianthus sylvestris Wulfen	Medium	Low	Low	High	Low	Medium	High
Dianthus tripunctatus Sm.	Low	High	Low	High	Medium	Low	Low
Diphasiastrum alpinum (L.) J. Holub	High	Not	High	Not	Not	Low	High
Disphyma crassifolium (L.) L. Bolus		High	Medium	Low	Medium	Low	
Dryopteris aemula (Aiton) O. Kuntze		Low	Low	High	Not	Medium	
Dryopteris carthusiana (Vill.) H.P. Fuch	Low	Low	High	High	Medium	High	
Dryopteris cristata (L.) A. Gray	Low	Low	Low	Not	Medium	Medium	Medium
Dryopteris dilatata (Hoffm.) A. Gray	Low	Medium	High	High	High	Medium	
Dryopteris expansa (C. Presl) Fraser-Je	Low	Medium	Not	High	High	Medium	Medium
Dryopteris filix-mas (L.) Schott	Low	Medium	Low	High	Medium	Medium	
Dryopteris oreades Fomin	High	Medium	Low	High	Low	Medium	Low
Dryopteris villarii (Bellardi) Woynar ex	High	Not	High	High	Not	Low	High
Drypis spinosa L.	Low		Not	Not	High	Low	Low
Emex spinosa (L.) Campd.	Medium		High	Not	Low	Low	
Ephedra distachya L.	Medium		High	High		High	
Ephedra fragilis Desf.	Low		Not	Not		Low	Not
Ephedra major Host	Medium		Not	High		High	Not
Epimedium alpinum L.	Low	Low	Low	Not	Low	Medium	Medium
Equisetum arvense L.		Low	Medium	High	High	Medium	
Equisetum fluviatile L.		Not	Medium	High	Low	High	Medium
Equisetum hyemale L.	Medium	Low	Low	High	Low	Medium	Medium
Equisetum palustre L.	Medium	Low	High	Not	Low	Medium	
Equisetum pratense Ehrh.	High	Low	High	Not	High	Medium	Medium
Equisetum ramosissimum Desf.	High	Not	Not	High	High	Medium	Low
Equisetum sylvaticum L.		Low	Low	High	Low	Medium	Medium
Equisetum telmateia Ehrh.	High	Low	Medium	High	High	Medium	Low

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Equisetum variegatum Schleicher	High	Not	High	High	Not	Medium	High
Eranthis hyemalis (L.) Salisb.	Medium	Low	High	Not	High	Low	Medium
Fagus sylvatica L.	High	Low	High	High	Not	Medium	Medium
Fallopia convolvulus (L.) A. L"ve	High	Medium	Medium	High	Low	Medium	Low
Fallopia dumetorum (L.) J. Holub	Medium	Medium	Low	High	Low	Medium	Low
Ficus carica L.	Medium	Low		Not	Medium		Not
Fumaria agraria Lag.	Medium	Medium	Not	Not	Medium	Low	High
Fumaria barnolae Sennen & Pau	Medium	Medium	Not	Not	Medium	Low	Not
Fumaria bastardii Boreau	Low	High	Low	High	Medium	High	High
Fumaria bicolor Sommier ex Nicotra	Low	Medium	High	Not	Medium	Low	Not
Fumaria capreolata L.	Low	Low	Low	High	Medium	Medium	High
Fumaria densiflora DC.	Medium	Not	Medium	Not	High	High	Not
Fumaria flabellata Gaspar.	Low	Medium	High	Not	Medium	High	Not
Fumaria gaillardotii Boiss.	Medium	Medium	Not	High	Medium	Low	High
Fumaria judaica Boiss.	Medium	Medium	Not	Not	Medium	Low	High
Fumaria kralikii Jordan	Low	Low	High	High	Medium	High	Not
Fumaria muralis Sonder ex Koch	Not	Medium	Medium	Not	Medium	Low	Not
Fumaria officinalis L.	Low	Low	Low	Not	Medium	Medium	Low
Fumaria parviflora Lam.	Low	Not	Medium	High	Medium	High	Not
Fumaria purpurea Pugsley	Low	Medium	Medium	High	Medium	Low	Low
Fumaria rostellata Knaf	Low	Medium	Low	High	High	Medium	Low
Fumaria schleicheri Soyer-Willemet	Medium	Low	Low	High	Low	Medium	Low
Fumaria vaillantii Loisel.	Medium	Medium	Medium	High	High	Medium	Low
Glaucium corniculatum (L.) J.H. Rudol	Medium	Not	High	High	High	High	Not
Glaucium flavum Crantz	Low	Not	Low	High	High	Medium	Low
Glinus lotoides L.	Medium		Low	Medium	Low	Medium	
Gymnocarpium dryopteris (L.) Newman	Medium	Low	Medium	High	Low	Medium	Low
Gymnocarpium robertianum (Hoffm.) N	Medium	Low	High	High	Not	Low	Low
Gypsophila fastigiata L.	Medium	Not	Not	Not	Low	Low	High
Gypsophila muralis L.	Medium	Not	High	High	Low	Medium	Low
Gypsophila paniculata L.	Not	Not	Medium			Low	Medium
Gypsophila perfoliata L.	Not	Not	Medium	High		Medium	Medium
Gypsophila repens L.	Low	Not	High	Not	Not	Low	High
Gypsophila scorzonerifolia Ser.	High	Not	Low	High		Low	Medium
Halimione pedunculata (L.) Aellen		Not	Not	Low	High	Low	Low
Halimione portulacoides (L.) Aellen	High	Not	High	Not	Medium	Medium	Low
Halocnemum strobilaceum (Pallas) Biel	Medium		Low	High	High	Medium	
Halopeplis amplexicaulis (Vahl) Ung.-S	High		Low	Not	Not	Medium	
Helleborus foetidus L.	Low	Low	High	Not	Not	Medium	Low
Helleborus lividus Aiton	Low	Low	Low	High	Low	Low	Low
Helleborus niger L.	Medium	Medium	Medium	Not	Not	Low	Medium
Helleborus odorus Waldst. & Kit.	Low	Low	Low	High	High	Low	Low
Helleborus purpurascens Waldst. & Kit.	Medium	Low	Low	High	Low	Medium	Low
Helleborus viridis L.	Not	Low	Low	Not	High	Low	Low
Hepatica nobilis Schreber	Medium	Low	Medium	High	High	Medium	Low
Herniaria alpina Chaix	Medium	High	Not	High	Not	Low	Not
Herniaria ciliolata Melderis	High	Not	Not	High	Medium	Medium	Not
Herniaria glabra L.	Medium	Not	High	High	Low	Low	Medium
Herniaria hirsuta L.	Low	Not	High	High	Low	High	High
Herniaria incana Lam.	Medium		High	High	High	Medium	Medium
Holosteum umbellatum L.	Medium	Not	High	High	Not	Low	Medium
Honkenya peploides (L.) Ehrh.		Not	High	Medium	Low	Medium	Low
Humulus lupulus L.	Low	Low	Not	Not	Medium	Low	Low
Huperzia selago (L.) Bernh. ex Schrank	Low	Low	Medium	Not	High	Medium	High
Hymenophyllum tunbrigense (L.) Sm.	Not	Medium	Low	Not	High	Medium	Low
Hymenophyllum wilsonii Hooker	High	Low	High	High	Low	Low	Medium
Hypecoum imberbe Sm.	Medium	Not	High	High	Medium	High	High
Hypecoum procumbens L.	Medium	Not	High	High	Medium	High	Not
Illecebrum verticillatum L.	Not	Medium	Not	High	High	Medium	Low
Isoetes echinospora Durieu	Medium	Low	High	Not	Medium	High	High
Isoetes histrix Bory	Low	Low	High	High	Not	Low	
Isoetes lacustris L.	Not	Low	Not	Not	Medium	High	Medium
Isoetes velata A. Braun	Low	Low	Not	High	Not	High	
Isopyrum thalictroides L.	Medium	Low	High	High	Medium	Medium	Medium
Juglans regia L.	Low	Low	Low	High	High	Medium	Not

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Juniperus communis L.		High	Low	Not	High	Low	
Juniperus oxycedrus L.		Not	High	High		Low	Not
Juniperus phoenicea L.	Medium		High	High	Low	Low	Not
Juniperus sabina L.	Low	Medium	Not	High	Medium	Low	Medium
Juniperus thurifera L.	High	Not	High	High		Low	Low
Koenigia islandica L.		High	Not	Not	Medium	Medium	
Larix decidua Miller	Low	Not	High	Not	Not	Low	Not
Laurus nobilis L.	Medium	Not	Low	High	Low	Low	Low
Lavatera trimestris L.	Low	Not	Medium	High	Medium	High	Not
Loeflingia hispanica L.	Medium		Not	High	Low	Not	
Loranthus europaeus Jacq.	Medium	Low		High		Low	Medium
Lychnis alpina L.	Medium	High	Low	High	Low	Low	Not
Lychnis coronaria (L.) Desr.	Medium	Low	Medium	High	High	Medium	Low
Lychnis flos-cuculi L.	High	Medium	High	High	Low	Medium	Medium
Lychnis flos-jovis (L.) Desr.	Medium	High	Medium	Not	Not	High	Low
Lychnis viscaria L.	Low	Medium	High	High	Low	High	Low
Lycopodiella inundata (L.) J. Holub	Not	Not	Not	High	Low	Low	Medium
Lycopodium annotinum L.	High	Low	High	High	Low	Medium	Medium
Lycopodium clavatum L.	Low	High	High	High	High	Low	Low
Marsilea quadrifolia L.	Medium	High	Low	Not	Low	Low	Not
Marsilea strigosa Willd.	Low	High	Low	High	Medium	High	Not
Matteuccia struthiopteris (L.) Tod.	Low	Low	Low	Not	High	Low	Low
Meconopsis cambrica (L.) Vig.	High	Low	Medium	High	Low	Medium	Medium
Mesembryanthemum crystallinum L.	Medium		Not	High		High	
Mesembryanthemum nodiflorum L.	Medium		High	High		Not	
Minuartia austriaca (Jacq.) Hayek	Low	High	Not	High	Not	Medium	High
Minuartia biflora (L.) Schinz & Thell.	Medium	High	High	Not	Not	Low	Not
Minuartia capillacea (All.) Graebner	Medium	High	Not	High	Low	Low	Medium
Minuartia cherlerioides (Hoppe) Becher	Medium	Not	High	Not	Not	High	Not
Minuartia geniculata (Poiret) Thell.	Medium		Not	Not	Medium	High	Not
Minuartia glomerata (Bieb.) Degen	Low	Not	Not	High	High	High	Low
Minuartia graminifolia (Ard.) J v.	Medium	Low	Not	Not	Low	Low	Medium
Minuartia hybrida (Vill.) Schischkin	Medium	Not	High	Not	High	High	Low
Minuartia laricifolia (L.) Schinz & Thel	Medium	High	Not	Not	Low	High	Medium
Minuartia mediterranea (Ledeb.) K. Ma	Medium		High	High	Low	High	High
Minuartia mutabilis (Lapeyr.) Schinz &	High		High	High	High	Medium	Low
Minuartia recurva (All.) Schinz & Thell	Low	Not	High	High	High	Medium	High
Minuartia rubella (Wahlenb.) Hiern	High	High	High	Not	Low	Medium	High
Minuartia rubra (Scop.) McNeill	Medium		Not	High	Medium	Low	Not
Minuartia rupestris (Scop.) Schinz & Th	Medium	Not	High	High	Not	Low	Not
Minuartia sedoides (L.) Hiern	High	High	High	Not	Medium	Low	High
Minuartia setacea (Thuill.) Hayek	Low	Not	High	High	High	High	Low
Minuartia stricta (Swartz) Hiern	Low	High	Not	Not	Medium	Medium	Medium
Minuartia verna (L.) Hiern	Low	Not	High	High	Low	Low	Medium
Minuartia villarii (Balbis) Wilczek & Cl	Medium	Not	Not	Not	Medium	Low	High
Minuartia viscosa (Schreber) Schinz &	Medium	Not	High	High	High	High	Low
Moehringia bavarica (L.) Gren.	Low	Low	Not	High	High	Low	Medium
Moehringia ciliata (Scop.) Dalla Torre	Medium		High	Not	High	Low	High
Moehringia muscosa L.	High	Low	Not	High	High	Medium	Low
Moehringia pentandra Gay	Medium	Medium	Not	Not	Low	Medium	Low
Moehringia tommasinii Marchesetti	Low	Low	Not	Not	Low	Low	Low
Moehringia trinervia (L.) Clairv.	Low	Low	Low	High	Medium	Medium	Medium
Moenchia erecta (L.) P. Gaertner, B. Me	High	Not	High	Not	Low	High	Not
Moenchia mantica (L.) Bartl.	Medium		High	High	Not	High	Not
Mollugo verticillata L.	Medium	Not	Medium	Not	Low	High	Not
Montia fontana L.	Not	Low	Medium	High	Low	Low	Medium
Myosoton aquaticum (L.) Moench	High	Low	Not	High	High	Medium	Medium
Myosurus minimus L.	Medium	Not	Medium	High	Medium	Medium	Low
Myrica gale L.	High	Not	Low	High	Low	Medium	Low
Nelumbo nucifera Gaertner	Medium	High	High	High	High	High	Not
Nigella arvensis L.	Medium	Not	High	High	High	High	Low
Nigella damascena L.	Medium	Not	High	High	Low	High	Not
Notholaena marantae (L.) Desv.	Low	Not	High	High	Not	High	High
Nuphar lutea Sm.	Medium	Not	Low	High	Low	Low	Low
Nuphar pumila (Timm) DC.	High	Not	Low	High	Medium	Low	Medium

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Nymphaea alba L.	Low	Not	Low	Not	High	Low	Medium
Nymphaea candida C. Presl	Medium	Not	Medium	High	Low	Low	Low
Ophioglossum azoricum C. Presl	Not	High	Not	Not	High	Medium	Low
Ophioglossum lusitanicum L.	Not	High	High	High	High	Medium	
Ophioglossum vulgatum L.	High	Low	High	High	Low	Medium	Low
Oreopteris limbosperma (Bellardi ex Al	High	Low	Medium	High	High	Medium	Medium
Ortegia hispanica L.	Low		Not	Not	Medium	Low	Not
Osmunda regalis L.	High	Low	Medium	High	Medium	Low	Low
Ostrya carpinifolia Scop.	Medium	Low	Medium	High		Low	Not
Osyris alba L.	Medium	Low	High	High	Medium	High	Not
Oxybaphus nyctagineus (Michx) Sweet	Medium	Medium	Low	Not		Low	High
Oxyria digyna (L.) Hill		High	High	High	Low	Low	Not
Paeonia mascula (L.) Miller	Medium	Medium	Medium	Not	Low	Low	Low
Paeonia officinalis L.	Medium	Low	Medium	Not	Low	High	Low
Paeonia peregrina Miller	Low	Low	Medium	High	Low	High	Low
Papaver alpinum L.	Medium		Not	High	Not	Low	Not
Papaver apulum Ten.	Medium			High	High	Medium	High
Papaver argemone L.	Low	Low	Medium	High	Medium	Low	Medium
Papaver dubium L.	Medium	Low	Medium	High	Medium	Medium	Low
Papaver hybridum L.	Medium	Not	Medium	Not	Medium	Medium	Not
Papaver pinnatifidum Moris	Low	High	Not	High	Low	Low	Not
Papaver rhoeas L.	High	Low	Low	Not	High	Medium	Low
Papaver somniferum L.		High	Not	High	Low	Low	Low
Parietaria cretica L.	Medium	Medium	Low	Not	Low	Low	
Parietaria judaica L.	Low	Low	Low	High	High	Medium	Low
Parietaria lusitanica L.	Low	Low	Low	High	Low	High	
Parietaria mauritanica Durieu	Medium	Low	Medium	Not	Low	Low	
Parietaria officinalis L.	Medium	Low	Low	High	Low	Medium	Low
Paronychia argentea Lam.	Medium		High	High	Not	Low	Not
Paronychia capitata (L.) Lam.	Low		Not	High	High	Low	Not
Paronychia cephalotes (Bieb.) Besser	Low	Not	High	High	High	High	Not
Paronychia echinulata Chater	Medium		Not	High	High	High	Not
Paronychia kapela (Hacq.) A. Kerner	Medium		High	High	Low	High	Medium
Paronychia polygonifolia (Vill.) DC.	High		Not	Not	Not	High	Low
Petrorhagia illyrica (Ard.) P.W. Ball &	Medium	Low	High	High	Medium	High	Not
Petrorhagia nanteuilii (Burnat) P.W. Ba	Low		High	High	Low	High	Not
Petrorhagia prolifera (L.) P.W. Ball & H	Low	Not	High	Not	Low	High	Low
Petrorhagia saxifraga (L.) Link	Medium	High	High	Not	Not	Low	Not
Petrorhagia velutina (Guss.) P.W. Ball &	Low	Not	High	High	Low	High	Low
Phegopteris connectilis (Michx) Watt	High	Low	Low	High	Low	Medium	Medium
Phytolacca americana L.	Medium	Not	Medium	High	Medium	Medium	Not
Picea abies (L.) Karsten	Medium	Low	High	High	High	High	Low
Pilularia globulifera L.	Not	High	High	Not	Low	High	Low
Pilularia minuta Durieu ex A. Braun	Medium	High	High	High	Low	High	Not
Pinus cembra L.	High	Medium	Not	Not	Medium	Low	Not
Pinus halepensis Miller	Low		Not	High		High	
Pinus mugo Turra	Low	High	Low	Not			Low
Pinus nigra Arnold	Medium	Low	High	High	High	High	High
Pinus pinaster Aiton	Medium		Low	High	Medium	High	Not
Pinus pinea L.	Medium		High	Not	Medium	Low	Not
Pinus sylvestris L.	High	Low		High		Not	
Pinus uncinata Miller ex Mirbel	Medium	Medium		Not		Medium	Low
Polycarpon polycarpoides (Biv.) Zodda	High		High	Not		Low	
Polycarpon tetraphyllum (L.) L.	Low	Not	High	Not	Medium	Medium	Not
Polycnemum arvense L.	Low	Not	High	High	Medium	High	Not
Polycnemum heuffelii A.F. L ng	High	Not	High	Not	Medium	High	Not
Polycnemum majus A. Braun	Medium	Not	High	Not	Medium	Medium	Low
Polycnemum verrucosum A.F. L ng	Low	High	High	Not	Medium	Low	High
Polygonum alpinum All.	Low	Medium	High	Not	Medium	Medium	Medium
Polygonum amphibium L.		Low	Medium	High	Medium	Low	Medium
Polygonum arenarium Waldst. & Kit.	Low	Low	High	High	Low	High	Not
Polygonum aviculare L.	Low	Low	Medium	High	Low	High	Medium
Polygonum bistorta L.	Low	Low	Medium	High	Medium	Medium	Medium
Polygonum equisetiforme Sm.	Medium	Not	High	Not	Low	Low	
Polygonum graminifolium Wierzb. ex H	Low	Not	Medium	High	Medium	Medium	Low

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Polygonum hydropiper L.		Low	Low	High	Medium	Low	Low
Polygonum lapathifolium L.	Medium	Low	Not	High	High	Medium	Low
Polygonum maritimum L.	Low		High	Medium	Low	High	
Polygonum minus Hudson	Low	Low	Not	High	Medium	Low	Low
Polygonum mite Schrank	High	Low	Low	Not	Medium	Medium	Low
Polygonum orientale L.	High	Low	Low	Not	Medium	Medium	Low
Polygonum oxyspermum C.A. Meyer &	Medium	Not	Low	High	High	Medium	High
Polygonum patulum Bieb.	Medium	Low	High	High	Low	High	Not
Polygonum persicaria L.	High	Low	Low	Not	High	Medium	Low
Polygonum romanum Jacq.	Medium		Not	Not	High	Low	
Polygonum salicifolium Brouss. ex Will	Medium	Medium	Medium	Not	Medium	Medium	Not
Polygonum viviparum L.		Low	High	High	Low	Low	High
Polypodium cambricum L.	Medium	Low	Low	Not	Low	Low	Not
Polypodium interjectum Shivas	Low	Low	High	High	Low	Low	Low
Polypodium vulgare L.	High	Low	High	High	Not	Medium	Medium
Polystichum aculeatum (L.) Roth	High	Medium	Low	High	Low	Medium	Low
Polystichum lonchitis (L.) Roth	Low	Low	Low	High	Not	Medium	High
Polystichum setiferum (ForskÅl) Woyna	Low	Medium	Medium	High	Medium	Medium	Low
Populus alba L.	Low	Medium	Low	High	High	Medium	Low
Populus nigra L.	Low	Low	Low	High	High	Medium	Low
Populus tremula L.	Medium	Low	High	High	High	Medium	Medium
Portulaca grandiflora Hooker	Medium	Not	Medium	High		Medium	
Portulaca oleracea L.	High	Medium	Low	High	High	Medium	Not
Pseudofumaria lutea (L.) Borkh.	Low	Medium	Medium	Not	Not	Medium	Low
Pseudostellaria europaea Schaeftlein	Medium	Low	Low	High	Low	Low	Medium
Pteridium aquilinum (L.) Kuhn	High	Low	High	High	Low	Medium	Medium
Pteris cretica L.	High	Low	High	High	Medium	Low	High
Pteris vittata L.	Low	Medium	High	Not	Low	Low	
Pulsatilla alpina (L.) Delarbre	High	High	High	High	High	Medium	High
Pulsatilla halleri (All.) Willd.	High	Medium	High	Not	Low	Low	Low
Pulsatilla montana (Hoppe) Reichenb.	Low	Not	High	High	High	High	Medium
Pulsatilla patens (L.) Miller	Medium	Medium	Not	High	Low	Medium	Low
Pulsatilla pratensis (L.) Miller	Medium	Low	Not	High	High	Low	Low
Pulsatilla vernalis (L.) Miller	Medium	Medium	High	Not	Low	Low	High
Pulsatilla vulgaris Miller	Medium	Low	High	High	Low	High	Medium
Quercus cerris L.	Low	Low	High	High	Medium	Medium	Not
Quercus coccifera L.	Low	Low	Not	High	Medium	Low	
Quercus congesta C. Presl	Low	Low	Low	Not	Low	High	Not
Quercus dalechampii Ten.	Medium	Medium	Medium	High	Medium	Medium	Not
Quercus frainetto Ten.	Medium	Low	Low	High	Medium	Medium	Low
Quercus ilex L.	Not	Low	High	High	High	High	High
Quercus macrolepis Kotschy	Medium	Medium	High	High	Low	Low	Not
Quercus petraea (Mattuschka) Liebl.	High	Low	High	High	Not	Low	Low
Quercus polycarpa Schur	Low	Medium	High	High	High	Medium	Low
Quercus pubescens Willd.	Medium	Low	High	Not	High	High	Not
Quercus pyrenaica Willd.	Medium	Medium	Medium	High	Medium	Low	Low
Quercus robur L.	Low	Low	Not	High	Not	High	Low
Quercus suber L.	Low	Medium	Low	High	Low	High	Not
Quercus trojana Webb	Low	Medium	Not	High	Medium	Low	Not
Ranunculus aconitifolius L.	High	Low	Low	High	Medium	Low	Medium
Ranunculus acris L.	Medium	Low	High	High	Low	High	
Ranunculus aduncus Gren.	Low	High	High	Not	Medium	Low	High
Ranunculus alpestris L.		Not	Medium	High	Not	Medium	High
Ranunculus aquatilis L.	High	Low	Medium	High	Medium	Low	Medium
Ranunculus arvensis L.	Low	Low	High	High	High	Medium	Low
Ranunculus auricomus L.	High	Low	Low	High	High	Medium	Medium
Ranunculus brevifolius Ten.	Medium		Not	Not	High	High	Low
Ranunculus brutius Ten.	Medium	Medium	Low	High	High	Medium	Medium
Ranunculus bulbosus L.	Medium	Not	High	High	High	High	Low
Ranunculus bullatus L.	Low	Low	Not	High	High	Low	Not
Ranunculus carinthiacus Hoppe	Medium	Not	High	Not	High	Medium	Low
Ranunculus cassubicus L.	Medium	Low	Low	High	High	Medium	Medium
Ranunculus chius DC.	Medium	Not	Medium	High	Medium	Medium	Low
Ranunculus circinatus Sibth.	Medium	Low	Low	High	High	Not	Low
Ranunculus fallax (Wimmer & Grab.) S	Low	Low	Low	High	High	Medium	Medium

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Ranunculus ficaria L.	Low	Medium	Low	High	Low	Medium	Medium
Ranunculus flammula L.	Low	Low	High	High	Low	Low	
Ranunculus fluitans Lam.	High	Not	High	Not	Medium	High	Low
Ranunculus fontanus C. Presl	Low	Low	High	High	Medium	Low	Medium
Ranunculus glacialis L.	Low	High	Not	High	High	Medium	High
Ranunculus gracilis E.D. Clarke	Low	Not	High	High	Medium	Medium	Not
Ranunculus gramineus L.	Low	High	Not	High	High	Low	Medium
Ranunculus grenierianus Jordan	Medium	Not	High	High	High	Low	Not
Ranunculus hederaceus L.	Not	Not	Low	Not	Low	Low	Medium
Ranunculus hybridus Biria	Low	High	Low	Not	Not	Low	Not
Ranunculus illyricus L.	Low	Not	Low	High	High	Medium	Low
Ranunculus lanuginosus L.	Medium	Medium	Low	High	High	Medium	Medium
Ranunculus lateriflorus DC.	Medium	Low	High	Not	Low	Low	Low
Ranunculus lingua L.		Low	Low	High	Medium	High	
Ranunculus macrophyllus Desf.	Low	Medium	Medium	High	Medium	Low	Not
Ranunculus millefoliatus Vahl	Medium	High	High	High	High	Medium	Low
Ranunculus monspeliacus L.	Medium	Not	Not	Not	Medium	High	Not
Ranunculus montanus Willd.	Low	Medium	Medium	High	Medium	Medium	High
Ranunculus muricatus L.	Medium	Not	Medium	High	Medium	Medium	Not
Ranunculus ololeucos Lloyd	High	Not	High	High		High	Low
Ranunculus omiophyllus Ten.	Medium	Low	Medium	High	Low	High	High
Ranunculus ophioglossifolius Vill.	Medium	Medium	Low	High	High	Low	Low
Ranunculus oreophilus Bieb.	Low	Not	High	High	High	Low	Low
Ranunculus paludosus Poiret		Not	High	High	Medium	Medium	
Ranunculus parnassiifolius L.	Medium	High	Low	Not	High	Low	High
Ranunculus parviflorus L.	Medium	Not	Medium	Not	Medium	Medium	Low
Ranunculus pedatus Waldst. & Kit.	High	Not	High	Medium	High	High	Low
Ranunculus peltatus Schrank	High	Low	Medium	High	Medium	Not	Low
Ranunculus penicillatus (Dumort.) Bab.	Medium	Not	High	High	High	Low	Low
Ranunculus platanifolius L.	Low	Low	Low	High		Medium	Medium
Ranunculus polyanthemos L.	Medium	Low	High	Not	Low	Medium	Low
Ranunculus pseudomontanus Schur		Not	Low	High	Low	Medium	High
Ranunculus psilostachys Griseb.	Low	Low	Medium	High	High	Low	High
Ranunculus pygmaeus Wahlenb.	Medium	Not	Not	High	High	Medium	Not
Ranunculus repens L.		Low	Medium	High	Low	Medium	
Ranunculus reptans L.		Not	High	Not	High	Low	Medium
Ranunculus revelieri Boreau	Low	Low	Not	High	Low	Medium	
Ranunculus rionii Lagger	Medium	Low	Medium	High	Medium	Not	Low
Ranunculus sardous Crantz	Medium	Not	Low	High	Low	Low	Medium
Ranunculus sceleratus L.		Not	Not	High	Low	Medium	Low
Ranunculus seguieri Vill.	Medium	Not	Not	High	High	Medium	Not
Ranunculus serbicus Vis.	Medium	Low	Medium	Not	Medium	Medium	High
Ranunculus strigulosus Schur	Low	Not	Medium	High	Medium	Medium	Low
Ranunculus thora L.	Medium	High	High	Not	Not	Medium	High
Ranunculus trichophyllus Chaix		Low	Low	High	High	Not	
Ranunculus trilobus Desf.	Medium	Low	Medium	High	High	Low	High
Ranunculus tripartitus DC.	Not	Not	Low	High	Low	Low	Medium
Ranunculus velutinus Ten.	Medium	Low	Medium	High	Medium	Low	High
Reynoutria japonica Houtt.	Not	High	Low	High	Medium	Low	Low
Reynoutria sachalinensis (Friedrich Schi	Not	Low	Not	Not	High	Medium	Low
Roemeria hybrida (L.) DC.	Medium		High	Not	Low	High	Not
Rumex acetosa L.		Not	Medium	High	Low	High	
Rumex acetosella L.	Medium	Not	High	High	Not	Medium	Medium
Rumex alpestris Jacq.	Medium	Medium	Medium	High	High	Medium	Low
Rumex alpinus L.	Medium	Not	Not	High	Low	Medium	Medium
Rumex aquaticus L.	Low	Low	Not	High	High	Medium	Low
Rumex bucephalophorus L.	Medium	High	High	High	Not	High	
Rumex confertus Willd.	Not	Not	High	High	Medium	Medium	Medium
Rumex conglomeratus Murray	High	Not	High	High	Low	Medium	Low
Rumex crispus L.	High	Low	Medium	Not	Low	Medium	Medium
Rumex cristatus DC.	Medium	Medium	High	High	Low	High	Low
Rumex hydrolapathum Hudson	Low	Low	Low	High	High	High	Low
Rumex intermedius DC.	Medium	High	Medium	High	Low	High	Low
Rumex longifolius DC.		Not	Not	High	Medium	Low	Low
Rumex lunaria L.	Low	Low	Not	High	Low	High	

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Rumex maritimus L.	Medium	Not	Not	High	High	Medium	Low
Rumex nebroides Campd.	Medium	Not	Medium	High	Low	Medium	Low
Rumex nepalensis Sprengel	Medium	High	High	High	Low	Low	Medium
Rumex nivalis Hegetschw.	Low	Not	High	Not	Not	Medium	High
Rumex obtusifolius L.	Low	Low	Not	High	Low	Low	Medium
Rumex palustris Sm.	Medium	Not	High	High	High	Low	Low
Rumex patientia L.	Low	High	Not	High	Medium	Medium	Low
Rumex pseudonatronatus Borb s	Not	Not	Low	Low	High	Low	Medium
Rumex pulcher L.	Medium	High	High	Not	Low	Medium	Low
Rumex rupestris Le Gall		Low	Medium	High	Medium	Medium	
Rumex salicifolius (Danser) Hickman		Not	Low	High	Low	Medium	Low
Rumex sanguineus L.	Low	Medium	Low	High	High	Low	Low
Rumex scutatus L.	Low	Not	High	High	Low	Medium	
Rumex stenophyllus Ledeb.	High	Not	Low	High	High	Medium	Low
Rumex thyrsiflorus Fingerh.	High	Not	Medium	High	High	High	Low
Rumex tuberosus L.	Low	Not	Medium	High	Low	Low	High
Sagina apetala Ard.	Low	High	Medium	High	Low	Medium	Low
Sagina glabra (Willd.) Fenzl	High	High	High	High	Not	Medium	High
Sagina maritima G. Don		Not	High	Medium	High	Medium	Low
Sagina nivalis (Lindblad) Fries	Low	High	High	Not	Not	Medium	High
Sagina nodosa (L.) Fenzl	Low	Not	Medium	Not	Not	Medium	Low
Sagina procumbens L.	High	Low	Medium	High	High	Medium	
Sagina saginoides (L.) Karsten	High	Low	Low	High	Medium	Medium	High
Sagina subulata (Swartz) C. Presl	Not	High	Not	High	High	Medium	Medium
Salicornia europaea L.		Not	Medium	Not	High	Low	Low
Salicornia pusilla J. Woods	Low	High	Low	Medium	Not	Medium	Not
Salix alba L.	Low	Low	Low	High	High	Low	Low
Salix alpina Scop.	Medium	High	Low	Not	Not	Low	High
Salix appendiculata Vill.	Medium	Low	Low	Not	Not	Medium	High
Salix arbuscula L.	Medium	High	High	Not	High	Low	High
Salix atrocinerea Brot.	Medium	Not	Medium	High	Medium	Medium	Low
Salix aurita L.	High	Low	High	Not	Medium	Medium	High
Salix breviserrata B. Flod.	Medium	Not	High	High	Low	Low	High
Salix caesia Vill.	Medium	High	High	High	Low	Low	High
Salix caprea L.	High	Low	Low	High	High	Medium	High
Salix cinerea L.	Medium	Low	Medium	High	Medium	Low	High
Salix daphnoides Vill.	Medium	Medium	Low	High	High	Medium	High
Salix elaeagnos Scop.	High	Low	Medium	High	High	Medium	Medium
Salix foetida Schleicher	High	High	Medium	High	Medium	Medium	High
Salix fragilis L.	High	Low	Low	High	Medium	Low	Medium
Salix glabra Scop.	Medium	Low	Low	Not	High	Medium	Low
Salix glaucosericea B. Flod.	Medium	High	High	Not	Low	Low	High
Salix hastata L.	Low	Low	Medium	High	Low	Medium	High
Salix helvetica Vill.	Low	High	High	Not	Medium	Medium	High
Salix herbacea L.	High	Medium	Medium	High	Low	Medium	High
Salix lanata L.	High	High	High	Not	Low	Medium	Not
Salix lapponum L.	Medium	High	High	Not	Medium	Medium	High
Salix myrsinifolia Salisb.	Medium	Medium	Medium	Not	Low	Medium	Medium
Salix myrsinites L.		High	High	High	Low	Low	
Salix myrtilloides L.	Not	Low	High	High	Low	Low	Medium
Salix pedicellata Desf.	Medium	Not	Medium	High	Medium	Medium	Not
Salix pentandra L.	Low	Low	Low	High	Medium	Medium	Medium
Salix phylicifolia L.		Low	Low	High	Medium	Low	
Salix purpurea L.	Medium	Not	High	High	Not	High	Medium
Salix repens L.	High	Not	Not	High	Not	Medium	Medium
Salix reticulata L.		Not	Low	High	Not	Medium	High
Salix retusa L.	Low	Medium	Medium	Not	Low	Medium	High
Salix rosmarinifolia L.	Low	Not	Not	High	Medium	Medium	Low
Salix serpillifolia Scop.	Low	Medium	High	Not	High	Low	Not
Salix silesiaca Willd.	Medium	High	Low	High	Low	Medium	High
Salix starkeana Willd.	High	Low		High	Low	Medium	Medium
Salix triandra L.	Medium	Low	Medium	Not	High	Low	Medium
Salix viminalis L.	Low	Low	High	High	High	Medium	Medium
Salix waldsteiniana Willd.	Low	Medium	Medium	High	High	Medium	Low
Salsola kali L.	Not	Not	Not	Medium	High	Medium	High

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Salsola soda L.	Medium	Not	Low	Low	High	Low	Not
Salsola vermiculata L.	Medium		Low	Not	Not	Medium	
Salvinia natans (L.) All.	Medium	Low	Low	Not	High	Low	Not
Saponaria bellidifolia Sm.	Low		High	High	Medium	Low	Low
Saponaria calabrica Guss.	Medium	Low	Not	High	High	High	Not
Saponaria lutea L.	Low	Not	Low	High	Low	Low	High
Saponaria ocymoides L.	Low	Low	High	Not	Not	High	Medium
Saponaria officinalis L.	High	Low	Medium	Not	High	Medium	Low
Saponaria pumilio (L.) Fenzl ex A. Brau	Medium	High	Low	High	Not	Low	High
Saponaria sicula Rafin.	High		High	High	Not	Not	Not
Scleranthus annuus L.	Medium	Low	Medium	High	Not	Medium	Medium
Scleranthus perennis L.	Medium	Not	Not	High	Low	High	Low
Scleranthus uncinatus Schur	Medium	Not	Not	High	High	Medium	Medium
Selaginella denticulata (L.) Spring	Medium	Low	High	High	Not	Low	Not
Selaginella helvetica (L.) Spring	Medium	Low	High	High	Not	Medium	Medium
Selaginella selaginoides (L.) Beauv. ex	Low	High	Low	Not	Low	Medium	High
Silene acaulis (L.) Jacq.	Medium	Not	High	High	Not	Low	Not
Silene alpestris Jacq.	Medium	Low	Not	Not	Low	Medium	High
Silene apetala Willd.	Medium		High	High	Medium	High	
Silene armeria L.	Low	Low	High	Not	Medium	Medium	Low
Silene behen L.	Medium	High	Medium	High	Medium	High	Low
Silene bellidifolia Juss. ex Jacq.	Medium	Medium	Not	Not	Not	High	Not
Silene borysthenica (Gruner) Walters	High	High	High	High	High	High	Low
Silene chlorantha (Willd.) Ehrh.	Not	Low	High	High	High	High	Low
Silene ciliata Pourret	Medium	High	Not	High	Low	Medium	Medium
Silene coeli-rosa (L.) Godron	High	High	Not	Not	High	Low	High
Silene colorata Poiret	Low		Not	Low		High	Not
Silene conica L.	Medium	Not	Not	High	Medium	High	Low
Silene conoidea L.	Medium		High	High	Medium	High	Low
Silene cretica L.	Medium		Not	High	Low	High	
Silene dichotoma Ehrh.	Medium	Low	Low	High	Low	Medium	Low
Silene dioica (L.) Clairv.	Low	Medium	High	High	Low	Medium	High
Silene flavescens Waldst. & Kit.	Low	Not	High	High	High	High	Not
Silene fruticosa L.	Low	Low	Low	Not	Medium	High	Low
Silene fuscata Link ex Brot.	Low	Low	Not	High	Low	Low	Low
Silene gallica L.	Medium	Low	Medium	Not	Medium	Medium	Not
Silene inaperta L.	Low		High	High	Low	Low	High
Silene italica (L.) Pers.	Medium	Low	Medium	High	Medium	Medium	Low
Silene laeta (Aiton) Godron	High		High	High	High	Low	
Silene latifolia Poiret	Medium	Low	Medium	High	Medium	Low	High
Silene linicola C.C. Gmelin	Low	Medium	High	High	Low	Low	Low
Silene multicaulis Guss.	Medium		High	High	Medium	Low	Medium
Silene muscipula L.	Low	Not	Low	High	Medium	High	Low
Silene noctiflora L.	Medium	Low	Medium	High	High	High	Low
Silene nocturna L.	Medium	Medium	Low	Not	Medium	Low	High
Silene nutans L.	Medium	Low	Low	Not	Low	Low	High
Silene otites (L.) Wibel	Low	Not	High	High	High	Low	Low
Silene paradoxa L.	Low	Low	Medium	High	Low	Low	Low
Silene parnassica Boiss. & Spruner	Low	Low	High	Not	High	Medium	Medium
Silene pusilla Waldst. & Kit.	Low	High	High	High	Not	Medium	Low
Silene roemeri Friv.	Medium		Not	High	High	High	Medium
Silene rupestris L.	Low	Not	High	High	High	High	High
Silene saxifraga L.	Medium	Low	High	High	High	High	Medium
Silene sedoides Poiret	Low		Not	High	Not	Low	
Silene sericea All.	Low		High	High	High	High	
Silene succulenta ForskÅl	Low	Not	Not	High	High	Not	
Silene tatarica (L.) Pers.	Low	Low	Medium	High	High	Low	Low
Silene uniflora Roth		High	Medium	Medium	Medium	Medium	
Silene vallesia L.	Medium	Medium	Not	High	Not	Low	High
Silene veselskyi (Janka) H. Neumayer	Medium	Low	Low	High	High	Low	Low
Silene viridiflora L.	Medium	Low	Medium	High	Medium	Medium	Low
Silene vulgaris (Moench) Garcke		Not	High	High	High	Low	
Soleirolia soleirolii (Req.) Dandy	High	Low	Medium	High	Low	Medium	
Spergula arvensis L.	Low	Low	Low	Not	Low	Medium	Medium
Spergula morisonii Boreau	Low	High	Not	High	Not	Low	Medium

Vascular plants

	Continentality	Light	Nitrogen availability	Salt tolerance	Soil acidity	Soil moisture	Temperature
Spergula pentandra L.	Medium	Not	High	High	Low	High	Medium
Spergularia diandra (Guss.) Boiss.	Medium	Not	Not	Not	Not	Low	Not
Spergularia echinosperma (Celak.) Asch	Low	High	Not	Not	Low	Medium	Low
Spergularia heldreichii Fouc. ex E. Sim	Low		High	High	Not	Low	Not
Spergularia macrorhiza (Req.) Heynh.	Low		High	High	Medium	Low	
Spergularia marina (L.) Griseb.	Low	Low	High	High	High	Medium	Medium
Spergularia media (L.) C. Presl	Medium	Low	Medium	Medium	High	Medium	Low
Spergularia nicaeensis Sarato ex Burnat	Medium	High	Not	High	High	Low	Not
Spergularia rubra (L.) J. & C. Presl		Medium	Low	Not	High	Low	Low
Spergularia rupicola Lebel ex Le Jolis	High	Not	Medium	Medium	Low	Medium	Not
Spergularia segetalis (L.) G. Don fil.	Low	High	Not	High	Medium	Medium	Low
Stellaria crassifolia Ehrh.	Low	Low	High	High		Low	Medium
Stellaria graminea L.	High	Low	High	High	Low	Medium	High
Stellaria holostea L.	High	Low	Medium	High	Medium	Medium	Low
Stellaria longifolia Muhl. ex Willd.	Medium	Low	Low	High	High	Medium	Medium
Stellaria media (L.) Vill.		Low	Not	High	High	High	
Stellaria neglecta Weihe	High	Low	Not	Not	Low	Low	Medium
Stellaria nemorum L.	Medium	Medium	High	High	Medium	Medium	High
Stellaria palustris Retz.	High	Low	High	Not	Medium	Low	Medium
Stellaria uliginosa Murray	High	Low	Low	High	Low	Low	Medium
Suaeda maritima (L.) Dumort.	High	Not	Low	High	High	Low	Low
Suaeda splendens (Pourret) Gren. & Go	Low		High	Not	High	Low	
Suaeda vera J.F. Gmelin		Not	Medium	Medium	Not	Medium	
Taxus baccata L.	High	Medium	Not	High	High	Medium	Medium
Telephium imperati L.	Low	High	High	Not	Low	Low	Low
Thalictrum alpinum L.	Medium	High	Low	High	Medium	Medium	High
Thalictrum aquilegiifolium L.	Low	Low	Low	Not	High	Low	High
Thalictrum flavum L.	Medium	Low	Medium	High	High	Low	Low
Thalictrum foetidum L.	Medium	High	Not	Not	Low	Low	High
Thalictrum lucidum L.	Medium	Low	Medium	High	Low	Low	Medium
Thalictrum minus L.	Low	Low	High	Not	High	Low	
Thalictrum simplex L.	Medium	Not	Not	High	Low	Medium	Medium
Thelypteris palustris Schott		Low	Medium	High	Medium	Low	Low
Thesium alpinum L.	Medium	High	Not	Not	High	Medium	High
Thesium arvense Horv tovszky	Medium	Not	High	High	Medium	High	Low
Thesium bavarum Schrank	Medium	Medium	High	High	High	High	Low
Thesium divaricatum Jan ex Mert. & Ko	Medium		High	Not	Low	High	Not
Thesium dollineri Murb.	Low	Medium	Medium	High	High	Medium	Low
Thesium ebracteatum Hayne	Medium	Low	Not	High	High	Low	Low
Thesium humifusum DC.		High	High	Not	High	Low	
Thesium humile Vahl	Low	Not	High	High	Medium	Low	High
Thesium linophyllon L.	Medium	High	High	Not	High	Low	Low
Thesium parnassi A. DC.	Medium		Not	High	Low	Low	Medium
Thesium pyrenaicum Pourret	Low	Not	High	High	Medium	Medium	Low
Thesium rostratum Mert. & Koch	Medium	Medium	High	High	Not	High	Medium
Trichomanes speciosum Willd.	High	Medium	Medium	Not	Medium	Medium	Not
Trollius europaeus L.	Medium	Not	Medium	Not	Low	Medium	High
Ulmus glabra Hudson	Low	Low	Low	High	High	Medium	Medium
Ulmus laevis Pallas	Medium	Low	Low	Not	High	Low	Low
Ulmus minor Miller	Medium	Low	High	Not	High	High	Low
Urtica atrovirens Req. ex Loisel.	Low	Low	Medium	Not	Medium	High	Not
Urtica dioica L.		Medium	Not	High	High	Medium	
Urtica kioviensis Rogow.	Medium	Not	Low	High	High	Low	Low
Urtica membranacea Poiret	Medium	Low	Low	Not	Medium	Low	Not
Urtica pilulifera L.	Medium	Medium	Low	High	Low	Low	Not
Urtica urens L.		Low	Not	High	Medium	Medium	Low
Vaccaria hispanica (Miller) Rauschert	Low	Medium	High	High	High	High	Low
Velezia rigida L.	Medium	Low		High		Low	High
Viscum album L.	Low	Low	High	High	Not	High	Low
Woodsia alpina (Bolton) S.F. Gray	Medium	Not	Not	High	Medium	Medium	High
Woodsia ilvensis (L.) R. Br.	Medium	Low	Not	High	Low	High	High
Woodwardia radicans (L.) Sm.	High	High	High	High	High	Medium	

Suitability, per species and per CLC

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Abies alba Miller													High	High	High	
Achyranthes sicula (L.) All.	High	High		High	High	High	High	High	High	High	High	High				
Aconitum anthora L.													High	High	High	
Aconitum burnatii G yer			High													High
Aconitum napellus L.			High										High	High	High	High
Aconitum variegatum L.			High										High	High	High	High
Actaea spicata L.			High										High	High	High	High
Adiantum capillus-veneris L.																
Adonis aestivalis L.	High	High		High	High	High	High	High	High	High	High	High				
Adonis annua L.	High	High		High	High	High	High	High	High	High	High	High				
Adonis flammea Jacq.	High	High		High	High	High	High	High	High	High	High	High				
Adonis microcarpa DC.	High	High		High	High	High	High	High	High	High	High	High				
Adonis vernalis L.			High										High	High	High	High
Agrostemma githago L.	High	High		High	High	High	High	High	High	High	High	High				
Aizoon hispanicum L.	High	High		High	High	High	High	High	High	High	High	High	High			
Alchemilla filicaulis																
Alchemilla glabra													High			
Alchemilla xanthochlora																
Aldrovanda vesiculosa L.																
Alliaria petiolata (Bieb.) Cavara & Grande			High										High	High	High	High
Allium angulosum L.			High													High
Allium ursinum L.													High	High	High	
Alnus cordata (Loisel.) Loisel.													High	High	High	
Alnus glutinosa (L.) Gaertner													High	High	High	
Alnus incana (L.) Moench													High	High	High	
Alnus viridis (Chaix) DC.													High	High	High	
Alopecurus pratensis L.			High													High
Amaranthus albus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus blitoides S. Watson	High	High		High	High	High	High	High	High	High	High	High	High			
Amaranthus cruentus L.	High	High		High	High	High	High	High	High	High	High	High		High		
Amaranthus deflexus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus graecizans L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus hybridus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus lividus L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Amaranthus muricatus (Gillies ex Moq.) Hieron.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	

Suitability, per species and

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Abies alba Miller													
Achyranthes sicula (L.) All.													
Aconitum anthora L.	High												
Aconitum burnatii G yer													
Aconitum napellus L.													
Aconitum variegatum L.	High												
Actaea spicata L.	High												
Adiantum capillus-veneris L.					High	High							
Adonis aestivalis L.													
Adonis annua L.													
Adonis flammea Jacq.													
Adonis microcarpa DC.													
Adonis vernalis L.													
Agrostemma githago L.													
Aizoon hispanicum L.			High	High									
Alchemilla filicaulis			High										
Alchemilla glabra			High										
Alchemilla xanthochlora			High										
Aldrovanda vesiculosa L.												High	High
Alliaria petiolata (Bieb.) Cavara & Grande	High												
Allium angulosum L.													
Allium ursinum L.													
Alnus cordata (Loisel.) Loisel.													
Alnus glutinosa (L.) Gaertner													
Alnus incana (L.) Moench													
Alnus viridis (Chaix) DC.													
Alopecurus pratensis L.												High	High
Amaranthus albus L.													
Amaranthus blitoides S. Watson			High										
Amaranthus cruentus L.													
Amaranthus deflexus L.													
Amaranthus graecizans L.													
Amaranthus hybridus L.													
Amaranthus lividus L.			High										
Amaranthus muricatus (Gillies ex Moq.) Hieron.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Amaranthus powellii S. Watson	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus retroflexus L.	High	High		High	High	High	High	High	High	High	High	High				
Amaranthus viridis L.	High	High		High	High	High	High	High	High	High	High	High				
Amelanchier ovalis Medicus													High	High	High	
Ammophila arenaria (L.) Link																
Anacamptis pyramidalis (L.) L.C.M. Richard			High													High
Anchusa arvensis														High	High	
Andromeda polifolia L.													High	High	High	
Anemone apennina L.													High	High	High	
Anemone baldensis L.			High													High
Anemone coronaria L.	High	High		High	High	High	High	High	High	High	High	High				
Anemone hortensis L.			High													High
Anemone narcissifolia L.			High													High
Anemone nemorosa L.			High										High	High	High	High
Anemone palmata L.			High													High
Anemone pavonina Lam.	High	High	High	High	High	High	High	High	High	High	High	High				High
Anemone ranunculoides L.			High										High	High	High	High
Anemone sylvestris L.			High										High	High	High	High
Anemone trifolia L.			High										High	High	High	High
Angelica sylvestris L.			High										High	High	High	High
Anogramma leptophylla (L.) Link																
Anthericum ramosum L.			High										High	High	High	High
Anthoxanthum odoratum L.			High										High	High	High	High
Anthyllis vulneraria L.			High										High	High	High	High
Aptenia cordifolia (L. fil.) Schwantes													High			
Aquilegia alpina L.			High													High
Aquilegia bertolonii Schott																
Aquilegia einseleana F.W. Schultz			High										High	High	High	High
Aquilegia ottonis Orph. ex Boiss.																
Aquilegia vulgaris L.			High										High	High	High	High
Arabis hirsuta (L.) Scop.			High										High	High	High	High
Arabis hirsuta subsp. planisiliqua													High			
Arceuthobium oxycedri (DC.) Bieb.			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Amaranthus powellii S. Watson												High	High
Amaranthus retroflexus L.												High	High
Amaranthus viridis L.													
Amelanchier ovalis Medicus	High												
Ammophila arenaria (L.) Link				High									
Anacamptis pyramidalis (L.) L.C.M. Richard				High									
Anchusa arvensis			High										
Andromeda polifolia L.	High						High	High					
Anemone apennina L.													
Anemone baldensis L.													
Anemone coronaria L.													
Anemone hortensis L.													
Anemone narcissifolia L.	High												
Anemone nemorosa L.	High												
Anemone palmata L.													
Anemone pavonina Lam.													
Anemone ranunculoides L.	High												
Anemone sylvestris L.													
Anemone trifolia L.													
Angelica sylvestris L.													
Anogramma leptophylla (L.) Link					High	High							
Anthericum ramosum L.													
Anthoxanthum odoratum L.	High			High			High	High					
Anthyllis vulneraria L.	High			High									
Aptenia cordifolia (L. fil.) Schwantes									High	High	High		
Aquilegia alpina L.					High	High							
Aquilegia bertolonii Schott					High	High							
Aquilegia einseleana F.W. Schultz					High	High							
Aquilegia ottonis Orph. ex Boiss.					High	High							
Aquilegia vulgaris L.					High	High							
Arabis hirsuta (L.) Scop.					High	High							
Arabis hirsuta subsp. planisiliqua													
Arceuthobium oxycedri (DC.) Bieb.		High		High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Arenaria balearica L.																
Arenaria biflora L.			High													High
Arenaria ciliata L.			High													High
Arenaria grandiflora L.			High													High
Arenaria norvegica Gunnerus																
Arenaria serpyllifolia L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Aristolochia clematitis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Aristolochia pallida Willd.			High										High	High	High	High
Aristolochia rotunda L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Arthrocnemum fruticosum (L.) Moq.																
Arthrocnemum macrostachyum (Moric.) C. Koch																
Asarum europaeum L.													High	High	High	
Asplenium adiantum-nigrum L.																
Asplenium adulterinum Milde																
Asplenium ceterach L.																
Asplenium cuneifolium Viv.																
Asplenium fissum Kit. ex Willd.																
Asplenium fontanum (L.) Bernh.																
Asplenium lepidum C. Presl																
Asplenium marinum L.																
Asplenium obovatum Viv.																
Asplenium onopteris L.																
Asplenium ruta-muraria L.													High	High	High	
Asplenium sagittatum (DC.) Bange																
Asplenium scolopendrium L.													High	High	High	
Asplenium seelosii Leybold																
Asplenium septentrionale (L.) Hoffm.																
Asplenium trichomanes L.																
Asplenium trichomanes-ramosum L.																
Athyrium distentifolium Tausch ex Opiz			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Arenaria balearica L.					High	High							
Arenaria biflora L.													
Arenaria ciliata L.					High	High							
Arenaria grandiflora L.													
Arenaria norvegica Gunnerus					High	High			High	High	High		
Arenaria serpyllifolia L.				High									
Aristolochia clematitis L.	High												
Aristolochia pallida Willd.													
Aristolochia rotunda L.												High	High
Arthrocnemum fruticosum (L.) Moq.									High	High	High		
Arthrocnemum macrostachyum (Moric.) C. Koch		High							High	High	High		
Asarum europaeum L.	High												
Asplenium adiantum-nigrum L.					High	High							
Asplenium adulterinum Milde					High	High							
Asplenium ceterach L.					High	High							
Asplenium cuneifolium Viv.					High	High							
Asplenium fissum Kit. ex Willd.					High	High							
Asplenium fontanum (L.) Bernh.					High	High							
Asplenium lepidum C. Presl					High	High							
Asplenium marinum L.					High	High			High	High	High		
Asplenium obovatum Viv.					High	High			High	High	High		
Asplenium onopteris L.					High	High			High	High	High		
Asplenium ruta-muraria L.					High	High							
Asplenium sagittatum (DC.) Bange					High	High							
Asplenium scolopendrium L.					High	High							
Asplenium seelosii Leybold					High	High							
Asplenium septentrionale (L.) Hoffm.					High	High							
Asplenium trichomanes L.					High	High							
Asplenium trichomanes-ramosum L.					High	High							
Athyrium distentifolium Tausch ex Opiz	High											High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Athyrium filix-femina (L.) Roth			High										High	High	High	High
Atriplex calotheca (Rafn) Fries																
Atriplex glabriuscula Edmondston																
Atriplex halimus L.																
Atriplex laciniata L.																
Atriplex littoralis L.																
Atriplex longipes Drejer																
Atriplex micrantha Ledeb.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex nitens Schkuhr	High	High		High	High	High	High	High	High	High	High	High				
Atriplex oblongifolia Waldst. & Kit.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex patula L.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex pedunculata														High		
Atriplex portulacoides														High		
Atriplex prostrata (Boucher) ex DC.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex rosea L.	High	High		High	High	High	High	High	High	High	High	High				
Atriplex tatarica L.	High	High		High	High	High	High	High	High	High	High	High				
Azolla filiculoides Lam.																
Bassia hirsuta (L.) Ascherson																
Bassia laniflora (S. G. Gmelin) A. J. Scott	High	High		High	High	High	High	High	High	High	High	High				
Bassia prostrata (L.) A. J. Scott																
Bassia scoparia (L.) A. J. Scott	High	High		High	High	High	High	High	High	High	High	High				
Berberis vulgaris L.													High	High	High	
Beta trigyna Waldst. & Kit.	High	High	High	High	High	High	High	High	High	High	High	High				High
Beta vulgaris L.																
Betula humilis Schrank																
Betula nana L.													High	High	High	
Betula pendula Roth			High										High	High	High	High
Betula pubescens Ehrh.			High										High	High	High	High
Biscutella laevigata L.			High										High	High	High	High
Blechnum spicant (L.) Roth													High	High	High	
Botrychium lanceolatum (S.G. Gmelin) ?ngstr"m			High													High
Botrychium lunaria (L.) Swartz			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Athyrium filix-femina (L.) Roth	High											High	High
Atriplex calotheca (Rafn) Fries									High	High	High		
Atriplex glabriuscula Edmondston									High	High	High		
Atriplex halimus L.									High	High	High		
Atriplex laciniata L.									High	High	High		
Atriplex littoralis L.									High	High	High		
Atriplex longipes Drejer									High	High	High		
Atriplex micrantha Ledeb.													
Atriplex nitens Schkuhr													
Atriplex oblongifolia Waldst. & Kit.													
Atriplex patula L.									High	High	High	High	High
Atriplex pedunculata			High										
Atriplex portulacoides													
Atriplex prostrata (Boucher) ex DC.									High	High	High	High	High
Atriplex rosea L.									High	High	High		
Atriplex tatarica L.													
Azolla filiculoides Lam.												High	High
Bassia hirsuta (L.) Ascherson									High	High	High		
Bassia laniflora (S. G. Gmelin) A. J. Scott				High									
Bassia prostrata (L.) A. J. Scott									High	High	High		
Bassia scoparia (L.) A. J. Scott													
Berberis vulgaris L.	High	High											
Beta trigyna Waldst. & Kit.													
Beta vulgaris L.									High	High	High		
Betula humilis Schrank							High	High				High	High
Betula nana L.	High						High	High					
Betula pendula Roth	High												
Betula pubescens Ehrh.												High	High
Biscutella laevigata L.				High	High	High							
Blechnum spicant (L.) Roth													
Botrychium lanceolatum (S.G. Gmelin) ?ngstr"m													
Botrychium lunaria (L.) Swartz	High			High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Botrychium matricariifolium (Retz.) A. Braun ex Koch			High													High
Botrychium multifidum (S.G. Gmelin) Rupr.			High													High
Botrychium simplex E. Hitchc.			High													High
Botrychium virginianum (L.) Swartz			High													High
Brachypodium pinnatum (L.) Beauv.			High										High	High	High	High
Brachypodium sylvaticum (Hudson) Beauv.			High										High	High	High	High
Brassica oleracea L.	High	High		High	High	High	High	High	High	High	High	High				
Briza media L.			High													High
Bromus bromoideus													High			
Bromus erectus Hudson			High													High
Bromus hordeaceus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cakile maritima Scop.																
Calamagrostis canescens (Weber) Roth			High										High	High	High	High
Calamagrostis epigejos (L.) Roth	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Calluna vulgaris (L.) Hull			High										High	High	High	High
Caltha palustris L.			High										High	High	High	High
Caltha palustris subsp. araneosa													High	High	High	
Campanula serrata (Kit.) Hendrych			High										High	High	High	High
Camphorosma monspeliaca L.			High													High
Capparis spinosa L.																
Cardamine amara L.													High	High	High	
Cardamine pratensis L.			High										High	High	High	High
Carex acuta L.			High										High	High	High	High
Carex cespitosa													High		High	
Carex diandra Schrank			High													High
Carex oederi subsp. pulchella													High			
Carex remota L.													High	High	High	
Carex rostrata Stokes			High													High
Carpinus betulus L.													High	High	High	
Carpinus orientalis Miller													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Botrychium matricariifolium (Retz.) A. Braun ex Koch				High									
Botrychium multifidum (S.G. Gmelin) Rupr.													
Botrychium simplex E. Hitchc.	High			High									
Botrychium virginianum (L.) Swartz	High												
Brachypodium pinnatum (L.) Beauv.	High												
Brachypodium sylvaticum (Hudson) Beauv.	High												
Brassica oleracea L.									High	High	High		
Briza media L.	High												
Bromus bromoideus													
Bromus erectus Hudson													
Bromus hordeaceus L.				High									
Cakile maritima Scop.									High	High	High		
Calamagrostis canescens (Weber) Roth												High	High
Calamagrostis epigejos (L.) Roth	High			High								High	High
Calluna vulgaris (L.) Hull	High			High			High	High	High	High	High		
Caltha palustris L.												High	High
Caltha palustris subsp. araneosa			High										
Campanula serrata (Kit.) Hendrych	High												
Camphorosma monspeliaca L.				High					High	High	High		
Capparis spinosa L.				High	High	High							
Cardamine amara L.							High	High				High	High
Cardamine pratensis L.													
Carex acuta L.													
Carex cespitosa			High										
Carex diandra Schrank							High	High					
Carex oederi subsp. pulchella													
Carex remota L.							High	High				High	High
Carex rostrata Stokes							High	High				High	High
Carpinus betulus L.	High												
Carpinus orientalis Miller													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Carpobrotus edulis (L.) N.E. Br.	High	High		High	High	High	High	High	High	High	High	High		High		
Carum carvi L.			High													High
Castanea sativa Miller													High	High	High	
Celtis australis L.													High	High	High	
Centaurea jacea L.			High													High
Cerastium alpinum L.			High													High
Cerastium arvense L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium brachypetalum Pers.																
Cerastium cerastoides (L.) Britton			High													High
Cerastium diffusum Pers.																
Cerastium fontanum Baumg.			High													High
Cerastium glomeratum Thuill.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium latifolium L.																
Cerastium ligusticum Viv.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium pedunculatum Gaudin																
Cerastium pumilum Curtis			High													High
Cerastium semidecandrum L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium siculum Guss.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium sylvaticum Waldst. & Kit.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cerastium tomentosum L.	High	High		High	High	High	High	High	High	High	High	High				
Cerastium uniflorum Clairv.			High													High
Ceratocephala falcata (L.) Pers.	High	High		High	High	High	High	High	High	High	High	High				
Ceratocephala testiculata (Crantz) Roth	High	High	High	High	High	High	High	High	High	High	High	High				High
Ceratophyllum demersum L.																
Ceratophyllum submersum L.																
Chaenorhinum minus													High	High	High	
Cheilanthes maderensis Lowe																
Cheilanthes persica (Bory) Mett. ex Kuhn																
Chelidonium majus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Chenopodium album L.	High	High	High	High	High	High	High	High	High	High	High	High				High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Carpobrotus edulis (L.) N.E. Br.									High	High	High		
Carum carvi L.													
Castanea sativa Miller													
Celtis australis L.													
Centaurea jacea L.													
Cerastium alpinum L.													
Cerastium arvense L.				High	High	High							
Cerastium brachypetalum Pers.				High									
Cerastium cerastoides (L.) Britton													
Cerastium diffusum Pers.				High									
Cerastium fontanum Baumg.													
Cerastium glomeratum Thuill.												High	High
Cerastium latifolium L.					High	High							
Cerastium ligusticum Viv.													
Cerastium pedunculatum Gaudin					High	High							
Cerastium pumilum Curtis				High	High	High							
Cerastium semidecandrum L.				High									
Cerastium siculum Guss.													
Cerastium sylvaticum Waldst. & Kit.													
Cerastium tomentosum L.													
Cerastium uniflorum Clairv.					High	High							
Ceratocephala falcata (L.) Pers.													
Ceratocephala testiculata (Crantz) Roth													
Ceratophyllum demersum L.												High	High
Ceratophyllum submersum L.												High	High
Chaenorhinum minus													
Cheilanthes maderensis Lowe					High	High							
Cheilanthes persica (Bory) Mett. ex Kuhn					High	High							
Chelidonium majus L.	High				High	High							
Chenopodium album L.												High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Chenopodium ambrosioides L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium aristatum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium bonus-henricus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Chenopodium botrys L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium chenopodioides (L.) Aellen	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium ficifolium Sm.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium foliosum (Moench) Ascherson	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium giganteum D. Don	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium glaucum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium hybridum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium multifidum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium murale L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium opulifolium Schrader ex Koch & Ziz	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium polyspermum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium pumilio R. Br.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium rubrum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium suecicum J. Murr	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium urbicum L.	High	High		High	High	High	High	High	High	High	High	High				
Chenopodium vulvaria L.	High	High		High	High	High	High	High	High	High	High	High				
Cimicifuga europaea Schipcz.													High	High	High	
Cirsium oleraceum (L.) Scop.			High										High	High	High	High
Claytonia perfoliata Donn ex Willd.			High													High
Claytonia sibirica L.	High	High		High	High	High	High	High	High	High	High	High				
Clematis alpina (L.) Miller													High	High	High	
Clematis flammula L.	High	High		High	High	High	High	High	High	High	High	High				
Clematis integrifolia L.			High													High
Clematis recta L.			High										High	High	High	High
Clematis vitalba L.													High	High	High	
Clematis viticella L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Cnidium dubium (Schkuhr) Thell.			High													High
Cochlearia officinalis L.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Chenopodium ambrosioides L.													
Chenopodium aristatum L.													
Chenopodium bonus-henricus L.													
Chenopodium botrys L.													
Chenopodium chenopodioides (L.) Aellen									High	High	High		
Chenopodium ficifolium Sm.												High	High
Chenopodium foliosum (Moench) Ascherson													
Chenopodium giganteum D. Don													
Chenopodium glaucum L.									High	High	High	High	High
Chenopodium hybridum L.													
Chenopodium multifidum L.												High	High
Chenopodium murale L.													
Chenopodium opulifolium Schrader ex Koch & Ziz													
Chenopodium polyspermum L.												High	High
Chenopodium pumilio R. Br.													
Chenopodium rubrum L.									High	High	High	High	High
Chenopodium suecicum J. Murr													
Chenopodium urbicum L.												High	High
Chenopodium vulvaria L.													
Cimicifuga europaea Schipcz.													
Cirsium oleraceum (L.) Scop.													
Claytonia perfoliata Donn ex Willd.													
Claytonia sibirica L.													
Clematis alpina (L.) Miller	High												
Clematis flammula L.		High											
Clematis integrifolia L.													
Clematis recta L.	High												
Clematis vitalba L.	High												
Clematis viticella L.													
Cnidium dubium (Schkuhr) Thell.													
Cochlearia officinalis L.									High	High	High		

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Colchicum autumnale L.			High													High
Colutea arborescens L.													High	High	High	
Consolida ajacis (L.) Schur	High	High		High	High	High	High	High	High	High	High	High				
Consolida orientalis (Gay) Schr"dinger	High	High		High	High	High	High	High	High	High	High	High				
Consolida pubescens (DC.) So½	High	High		High	High	High	High	High	High	High	High	High				
Consolida regalis S.F. Gray	High	High		High	High	High	High	High	High	High	High	High				
Corispermum canescens Kit.	High	High	High	High	High	High	High	High	High	High	High	High				High
Corispermum hyssopifolium L.	High	High		High	High	High	High	High	High	High	High	High				
Corispermum marschallii Steven	High	High		High	High	High	High	High	High	High	High	High				
Corispermum nitidum Kit.			High													High
Cornus sanguinea L.													High	High	High	
Corrigiola litoralis L.	High	High		High	High	High	High	High	High	High	High	High				
Corydalis capnoides (L.) Pers.																
Corydalis cava (L.) Schweigger & Koerte													High	High	High	
Corydalis pumila (Host) Reichenb.													High	High	High	
Corydalis solida (L.) Clairv.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Corylus avellana L.			High										High	High	High	High
Corynephorus canescens (L.) Beauv.													High	High	High	
Crambe maritima L.																
Crambe tataria Sebeok			High													High
Crassula tillaea														High		
Crataegus monogyna Jacq.													High	High	High	
Crataegus rosiformis														High		
Crepis biennis L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Crepis paludosa (L.) Moench			High										High	High	High	High
Cryptogramma crispa (L.) R. Br. ex Hooker																
Cucubalus baccifer L.			High										High	High	High	High
Cupressus sempervirens L.													High	High	High	
Cynodon dactylon (L.) Pers.	High	High	High	High	High	High	High	High	High	High	High	High				High
Cynomorium coccineum L.																
Cypripedium calceolus L.			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Colchicum autumnale L.													
Colutea arborescens L.	High												
Consolida ajacis (L.) Schur													
Consolida orientalis (Gay) Schr"dinger													
Consolida pubescens (DC.) So½													
Consolida regalis S.F. Gray													
Corispermum canescens Kit.													
Corispermum hyssopifolium L.													
Corispermum marschallii Steven													
Corispermum nitidum Kit.									High	High	High		
Cornus sanguinea L.	High											High	High
Corrigiola litoralis L.												High	High
Corydalis capnoides (L.) Pers.					High	High							
Corydalis cava (L.) Schweigger & Koerte													
Corydalis pumila (Host) Reichenb.	High												
Corydalis solida (L.) Clairv.	High												
Corylus avellana L.	High												
Corynephorus canescens (L.) Beauv.				High									
Crambe maritima L.									High	High	High		
Crambe tataria Sebeok													
Crassula tillaea													
Crataegus monogyna Jacq.	High			High									
Crataegus rosiformis													
Crepis biennis L.													
Crepis paludosa (L.) Moench												High	High
Cryptogramma crispa (L.) R. Br. ex Hooker					High	High							
Cucubalus baccifer L.												High	High
Cupressus sempervirens L.													
Cynodon dactylon (L.) Pers.				High									
Cynomorium coccineum L.				High									
Cypripedium calceolus L.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Cystopteris dickieana R. Sim																
Cystopteris fragilis (L.) Bernh.													High	High	High	
Cystopteris montana (Lam.) Desv.													High	High	High	
Cystopteris sudetica A. Braun & Milde													High	High	High	
Cytinus hypocistis (L.) L.																
Dactylis glomerata L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Dactylorhiza incarnata													High	High	High	
Dactylorhiza majalis subsp. majalis														High	High	
Daucus carota L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Delphinium elatum L.			High										High	High	High	High
Delphinium fissum Waldst. & Kit.			High										High	High	High	High
Delphinium halteratum Sm.	High	High		High	High	High	High	High	High	High	High	High				
Delphinium peregrinum L.	High	High		High	High	High	High	High	High	High	High	High				
Delphinium staphisagria L.	High	High		High	High	High	High	High	High	High	High	High				
Deschampsia cespitosa (L.) Beauv.			High										High	High	High	High
Deschampsia flexuosa (L.) Trin.																
Dianthus arenarius L.													High	High	High	
Dianthus armeria L.			High													High
Dianthus barbatus L.			High										High	High	High	High
Dianthus carthusianorum L.			High										High	High	High	High
Dianthus ciliatus Guss.													High	High	High	
Dianthus collinus Waldst. & Kit.			High										High	High	High	High
Dianthus deltoides L.			High													High
Dianthus ferrugineus Miller			High										High	High	High	High
Dianthus furcatus Balbis																
Dianthus glacialis Haenke																
Dianthus gratianopolitanus Vill.			High													High
Dianthus monspessulanus L.													High	High	High	
Dianthus plumarius L.																
Dianthus rupicola Biv.																
Dianthus seguieri Vill.			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Cystopteris dickieana R. Sim					High	High							
Cystopteris fragilis (L.) Bernh.					High	High							
Cystopteris montana (Lam.) Desv.					High	High							
Cystopteris sudetica A. Braun & Milde					High	High							
Cytinus hypocistis (L.) L.		High											
Dactylis glomerata L.													
Dactylorhiza incarnata													
Dactylorhiza majalis subsp. majalis													
Daucus carota L.					High	High							
Delphinium elatum L.													
Delphinium fissum Waldst. & Kit.					High	High							
Delphinium halteratum Sm.													
Delphinium peregrinum L.													
Delphinium staphisagria L.													
Deschampsia cespitosa (L.) Beauv.							High	High	High	High	High	High	High
Deschampsia flexuosa (L.) Trin.		High											
Dianthus arenarius L.				High									
Dianthus armeria L.	High			High									
Dianthus barbatus L.													
Dianthus carthusianorum L.				High									
Dianthus ciliatus Guss.													
Dianthus collinus Waldst. & Kit.													
Dianthus deltoides L.				High									
Dianthus ferrugineus Miller													
Dianthus furcatus Balbis					High	High							
Dianthus glacialis Haenke					High	High							
Dianthus gratianopolitanus Vill.				High									
Dianthus monspessulanus L.													
Dianthus plumarius L.					High	High							
Dianthus rupicola Biv.					High	High							
Dianthus seguieri Vill.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Dianthus serotinus Waldst. & Kit.			High													High
Dianthus sternbergii Sieber ex Capelli																
Dianthus superbus L.			High										High	High	High	High
Dianthus sylvestris Wulfen			High													High
Dianthus tripunctatus Sm.	High	High		High	High	High	High	High	High	High	High	High				
Dictamnus albus L.			High										High	High	High	High
Diphasiastrum alpinum (L.) J. Holub			High										High	High	High	High
Disphyma crassifolium (L.) L. Bolus													High			
Dryopteris aemula (Aiton) O. Kuntze													High	High	High	
Dryopteris carthusiana (Vill.) H.P. Fuchs													High	High	High	
Dryopteris cristata (L.) A. Gray			High										High	High	High	High
Dryopteris dilatata (Hoffm.) A. Gray			High										High	High	High	High
Dryopteris expansa (C. Presl) Fraser-Jenkins & Jermy													High	High	High	
Dryopteris filix-mas (L.) Schott			High										High	High	High	High
Dryopteris oreades Fomin																
Dryopteris villarii (Bellardi) Woynar ex Schinz & Thell.																
Drypis spinosa L.																
Elymus repens (L.) Gould	High	High	High	High	High	High	High	High	High	High	High	High				High
Emex spinosa (L.) Campd.	High	High		High	High	High	High	High	High	High	High	High				
Ephedra distachya L.																
Ephedra fragilis Desf.																
Ephedra major Host													High		High	
Epilobium hirsutum L.			High													High
Epilobium palustre L.			High													High
Epimedium alpinum L.													High	High	High	
Equisetum arvense L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Equisetum fluviatile L.			High													High
Equisetum hyemale L.			High													High
Equisetum palustre L.			High													High
Equisetum pratense Ehrh.													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Dianthus serotinus Waldst. & Kit.													
Dianthus sternbergii Sieber ex Capelli					High	High							
Dianthus superbus L.													
Dianthus sylvestris Wulfen				High	High	High							
Dianthus tripunctatus Sm.													
Dictamnus albus L.		High											
Diphasiastrum alpinum (L.) J. Holub	High												
Disphyma crassifolium (L.) L. Bolus			High						High	High	High		
Dryopteris aemula (Aiton) O. Kuntze													
Dryopteris carthusiana (Vill.) H.P. Fuchs	High												
Dryopteris cristata (L.) A. Gray	High												
Dryopteris dilatata (Hoffm.) A. Gray	High												
Dryopteris expansa (C. Presl) Fraser-Jenkins & Jermy													
Dryopteris filix-mas (L.) Schott	High											High	High
Dryopteris oreades Fomin					High	High							
Dryopteris villarii (Bellardi) Woynar ex Schinz & Thell.					High	High							
Drypis spinosa L.					High	High							
Elymus repens (L.) Gould	High			High					High	High	High		
Emex spinosa (L.) Campd.				High								High	High
Ephedra distachya L.				High					High	High	High		
Ephedra fragilis Desf.					High	High			High	High	High		
Ephedra major Host			High		High	High							
Epilobium hirsutum L.													
Epilobium palustre L.							High	High				High	High
Epimedium alpinum L.													
Equisetum arvense L.													
Equisetum fluviatile L.							High	High					
Equisetum hyemale L.													
Equisetum palustre L.							High	High					
Equisetum pratense Ehrh.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Equisetum ramosissimum Desf.			High													High
Equisetum sylvaticum L.													High	High	High	
Equisetum telmateia Ehrh.			High										High	High	High	High
Equisetum variegatum Schleicher			High													High
Eranthis hyemalis (L.) Salisb.													High	High	High	
Erica tetralix L.																
Eriophorum vaginatum L.			High										High	High	High	High
Erucastrum nasturtiifolium (Poiret) O.E. Schulz	High	High		High	High	High	High	High	High	High	High	High				
Euonymus europaeus L.													High	High	High	
Eupatorium cannabinum L.			High										High	High	High	High
Fagus sylvatica L.													High	High	High	
Fallopia convolvulus (L.) A. L"ve	High	High		High	High	High	High	High	High	High	High	High				
Fallopia dumetorum (L.) J. Holub	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Festuca ovina L.			High										High	High	High	High
Festuca rubra L.			High										High	High	High	High
Ficus carica L.	High	High		High	High	High	High	High	High	High	High	High				
Filago lutescens													High	High		
Filipendula ulmaria (L.) Maxim.			High										High	High	High	High
Fragaria vesca L.			High										High	High	High	High
Frangula alnus Miller													High	High	High	
Fumaria agraria Lag.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria bastardii Boreau	High	High		High	High	High	High	High	High	High	High	High				
Fumaria bicolor Sommier ex Nicotra	High	High		High	High	High	High	High	High	High	High	High				
Fumaria capreolata L.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria densiflora DC.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria flabellata Gaspar.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria gaillardotii Boiss.			High													High
Fumaria judaica Boiss.	High	High	High	High	High	High	High	High	High	High	High	High				High
Fumaria kralikii Jordan	High	High	High	High	High	High	High	High	High	High	High	High				High
Fumaria muralis Sonder ex Koch	High	High		High	High	High	High	High	High	High	High	High				
Fumaria officinalis													High	High	High	
Fumaria officinalis L.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria parviflora Lam.	High	High		High	High	High	High	High	High	High	High	High				
Fumaria purpurea Pugsley	High	High		High	High	High	High	High	High	High	High	High				

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Equisetum ramosissimum Desf.													
Equisetum sylvaticum L.													
Equisetum telmateia Ehrh.							High	High					
Equisetum variegatum Schleicher				High			High	High					
Eranthis hyemalis (L.) Salisb.													
Erica tetralix L.	High			High			High	High					
Eriophorum vaginatum L.	High			High			High	High					
Erucastrum nasturtiifolium (Poiret) O.E. Schulz												High	High
Euonymus europaeus L.	High												
Eupatorium cannabinum L.													
Fagus sylvatica L.													
Fallopia convolvulus (L.) A. L"ve													
Fallopia dumetorum (L.) J. Holub	High												
Festuca ovina L.	High			High									
Festuca rubra L.	High			High					High	High	High		
Ficus carica L.													
Filago lutescens			High										
Filipendula ulmaria (L.) Maxim.												High	High
Fragaria vesca L.	High												
Frangula alnus Miller	High											High	High
Fumaria agraria Lag.													
Fumaria bastardii Boreau													
Fumaria bicolor Sommier ex Nicotra													
Fumaria capreolata L.													
Fumaria densiflora DC.													
Fumaria flabellata Gaspar.													
Fumaria gaillardotii Boiss.		High											
Fumaria judaica Boiss.													
Fumaria kralikii Jordan		High											
Fumaria muralis Sonder ex Koch													
Fumaria officinalis			High										
Fumaria officinalis L.													
Fumaria parviflora Lam.													
Fumaria purpurea Pugsley									High	High	High		

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Fumaria rostellata Knaf	High	High		High	High	High	High	High	High	High	High	High				
Fumaria schleicheri Soyer-Willemet	High	High	High	High	High	High	High	High	High	High	High	High				High
Fumaria vaillantii Loisel.	High	High	High	High	High	High	High	High	High	High	High	High				High
Gagea spathacea													High			
Galanthus nivalis													High			
Galeobdolon luteum													High			
Galeopsis bifida													High	High	High	
Galeopsis ladanum subsp. angustifolia													High		High	
Galeopsis segetum													High			
Galium aparine													High		High	
Galium mollugo													High		High	
Galium palustre subsp. elongatum													High		High	
Galium spurium													High		High	
Galium sylvaticum													High		High	
Galium tricornutum													High	High	High	
Galium uliginosum													High	High		
Genista anglica L.			High													High
Genista germanica L.													High	High	High	
Genista pilosa L.			High										High	High	High	High
Genista tinctoria L.																
Gentiana cruciata L.			High										High	High	High	High
Gentiana pneumonanthe L.			High													High
Geranium columbinum													High	High	High	
Geranium phaeum														High		
Geranium pratense													High			
Geranium robertianum L.			High										High	High	High	High
Geum urbanum L.			High										High	High	High	High
Glaucium corniculatum (L.) J.H. Rudolph	High	High		High	High	High	High	High	High	High	High	High				
Glaucium flavum Crantz	High	High		High	High	High	High	High	High	High	High	High				
Glaux maritima													High			
Glechoma hederacea													High	High	High	
Glechoma hederacea L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Glinus lotoides L.																
Glyceria fluitans													High			
Glyceria maxima													High			
Glyceria notata subsp. declinata													High	High	High	
Glyceria notata subsp. notata													High	High		

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Fumaria rostellata Knaf													
Fumaria schleicheri Soyer-Willemet													
Fumaria vaillantii Loisel.													
Gagea spathacea													
Galanthus nivalis													
Galeobdolon luteum													
Galeopsis bifida													
Galeopsis ladanum subsp. angustifolia													
Galeopsis segetum													
Galium aparine			High										
Galium mollugo			High										
Galium palustre subsp. elongatum													
Galium spurium			High										
Galium sylvaticum			High										
Galium tricornutum													
Galium uliginosum													
Genista anglica L.	High			High									
Genista germanica L.	High												
Genista pilosa L.	High	High		High									
Genista tinctoria L.				High									
Gentiana cruciata L.				High									
Gentiana pneumonanthe L.							High	High					
Geranium columbinum			High										
Geranium phaeum			High										
Geranium pratense													
Geranium robertianum L.					High	High							
Geum urbanum L.	High												
Glaucium corniculatum (L.) J.H. Rudolph													
Glaucium flavum Crantz									High	High	High		
Glaux maritima													
Glechoma hederacea			High										
Glechoma hederacea L.	High											High	High
Glinus lotoides L.									High	High	High		
Glyceria fluitans													
Glyceria maxima													
Glyceria notata subsp. declinata			High										
Glyceria notata subsp. notata			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Gnaphalium sylvaticum													High	High		
Gymnocarpium dryopteris (L.) Newman			High										High	High	High	High
Gymnocarpium robertianum (Hoffm.) Newman													High	High	High	
Gypsophila fastigiata L.			High													High
Gypsophila muralis													High		High	
Gypsophila muralis L.	High	High		High	High	High	High	High	High	High	High	High				
Gypsophila paniculata L.			High													High
Gypsophila perfoliata L.	High	High		High	High	High	High	High	High	High	High	High				
Gypsophila repens L.			High													High
Gypsophila scorzonerifolia Ser.	High	High		High	High	High	High	High	High	High	High	High				
Halimione pedunculata (L.) Aellen																
Halimione portulacoides (L.) Aellen																
Halocnemum strobilaceum (Pallas) Bieb.																
Halopeplis amplexicaulis (Vahl) Ung.-Sternb. ex Cesati, Passer. & Gibelli																
Hedera helix L.													High	High	High	
Helianthemum nummularium (L.) Miller			High										High	High	High	High
Helleborus foetidus L.													High	High	High	
Helleborus lividus Aiton													High	High	High	
Helleborus niger L.													High	High	High	
Helleborus odorus Waldst. & Kit.													High	High	High	
Helleborus purpurascens Waldst. & Kit.													High	High	High	
Helleborus viridis													High			
Helleborus viridis L.													High	High	High	
Hepatica nobilis Schreber													High	High	High	
Heracleum mantegazzianum													High			
Heracleum sphondylium L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Herminium monorchis													High			
Herniaria alpina Chaix																
Herniaria ciliolata Melderis																
Herniaria glabra L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Herniaria hirsuta L.	High	High		High	High	High	High	High	High	High	High	High				
Herniaria incana Lam.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Gnaphalium sylvaticum			High										
Gymnocarpium dryopteris (L.) Newman					High	High							
Gymnocarpium robertianum (Hoffm.) Newman					High	High							
Gypsophila fastigiata L.				High									
Gypsophila muralis			High										
Gypsophila muralis L.												High	High
Gypsophila paniculata L.				High									
Gypsophila perfoliata L.									High	High	High		
Gypsophila repens L.					High	High						High	High
Gypsophila scorzonerifolia Ser.													
Halimione pedunculata (L.) Aellen									High	High	High		
Halimione portulacoides (L.) Aellen									High	High	High		
Halocnemum strobilaceum (Pallas) Bieb.									High	High	High		
Halopeplis amplexicaulis (Vahl) Ung.-Sternb. ex Cesati, Passer. & Gibelli									High	High	High		
Hedera helix L.	High				High	High							
Helianthemum nummularium (L.) Miller	High				High	High							
Helleborus foetidus L.													
Helleborus lividus Aiton					High	High							
Helleborus niger L.													
Helleborus odorus Waldst. & Kit.													
Helleborus purpurascens Waldst. & Kit.													
Helleborus viridis			High										
Helleborus viridis L.													
Hepatica nobilis Schreber		High											
Heracleum mantegazzianum													
Heracleum sphondylium L.	High		High									High	High
Herminium monorchis			High										
Herniaria alpina Chaix					High	High							
Herniaria ciliolata Melderis				High					High	High	High		
Herniaria glabra L.				High									
Herniaria hirsuta L.				High									
Herniaria incana Lam.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Hieracium glaucium														High		
Hieracium lactucella													High		High	
Hieracium praealtum subsp. prealtum													High			
Hieracium umbellatum													High			
Hieracium umbellatum L.			High										High	High	High	High
Himantoglossum hircinum													High		High	
Hippocrepis comosa													High			
Hippocrepis comosa L.			High										High	High	High	High
Hippophae rhamnoides L.													High	High	High	
Hippuris vulgaris													High	High	High	
Holcus lanatus													High	High	High	
Holcus mollis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Holosteum umbellatum L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Honkenya peploides (L.) Ehrh.																
Humulus lupulus L.			High										High	High	High	High
Huperzia selago													High			
Huperzia selago (L.) Bernh. ex Schrank & C.F.P. Mart.													High	High	High	
Hymenophyllum tunbrigense (L.) Sm.													High	High	High	
Hymenophyllum wilsonii Hooker													High	High	High	
Hypecoum imberbe Sm.	High	High		High	High	High	High	High	High	High	High	High				
Hypecoum procumbens L.																
Hypochaeris glabra													High	High	High	
Hyssopus officinalis													High			
Iberis amara														High	High	
Ilex aquifolium													High	High	High	
Ilex aquifolium L.													High	High	High	
Illecebrum verticillatum													High	High	High	
Illecebrum verticillatum L.	High	High		High	High	High	High	High	High	High	High	High				
Impatiens noli-tangere														High		
Impatiens parviflora													High	High	High	
Isoetes echinospora													High	High	High	
Isoetes echinospora Durieu																
Isoetes histrix Bory																
Isoetes lacustris													High			
Isoetes lacustris L.																
Isoetes velata A. Braun																
Isopyrum thalictroides L.													High	High	High	
Jasione montana													High		High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Hieracium glaucium													
Hieracium lactucella													
Hieracium praealtum subsp. prealtum													
Hieracium umbellatum													
Hieracium umbellatum L.	High			High								High	High
Himantoglossum hircinum													
Hippocrepis comosa													
Hippocrepis comosa L.													
Hippophae rhamnoides L.	High			High								High	High
Hippuris vulgaris			High										
Holcus lanatus			High										
Holcus mollis L.	High			High									
Holosteum umbellatum L.				High									
Honkenya peploides (L.) Ehrh.				High					High	High	High		
Humulus lupulus L.	High												
Huperzia selago													
Huperzia selago (L.) Bernh. ex Schrank & C.F.P. Mart.	High												
Hymenophyllum tunbrigense													
(L.) Sm.					High	High							
Hymenophyllum wilsonii Hooker													
Hypecoum imberbe Sm.													
Hypecoum procumbens L.				High	High	High							
Hypochaeris glabra			High										
Hyssopus officinalis			High										
Iberis amara			High										
Ilex aquifolium			High										
Ilex aquifolium L.	High												
Illecebrum verticillatum			High										
Illecebrum verticillatum L.												High	High
Impatiens noli-tangere													
Impatiens parviflora													
Isoetes echinospora			High										
Isoetes echinospora Durieu												High	High
Isoetes histrix Bory												High	High
Isoetes lacustris													
Isoetes lacustris L.												High	High
Isoetes velata A. Braun												High	High
Isopyrum thalictroides L.													
Jasione montana			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Juglans regia L.													High	High	High	
Juncus bufonius													High			
Juncus bulbosus subsp. bulbosus													High	High	High	
Juncus compressus													High	High	High	
Juncus conglomeratus													High			
Juncus gerardi													High			
Juncus inflexus													High			
Juncus maritimus													High			
Juncus squarrosus													High			
Juncus tenageia													High			
Juncus tenuis													High			
Juniperus communis L.			High										High	High	High	High
Juniperus oxycedrus L.													High	High	High	
Juniperus phoenicea L.													High	High	High	
Juniperus sabina L.													High	High	High	
Juniperus thurifera L.													High	High	High	
Kickxia elatine													High	High	High	
Kickxia spuria													High	High	High	
Knautia arvensis (L.) Coulter			High													High
Koeleria macrantha													High			
Lactuca tatarica													High			
Larix decidua Miller													High	High	High	
Lathyrus aphaca													High			
Laurus nobilis L.																
Lavatera trimestris L.	High	High		High	High	High	High	High	High	High	High	High				
Leersia oryzoides																
Leontodon hispidus L.			High										High	High	High	High
Leucanthemum vulgare Lam.			High													High
Ligustrum vulgare L.													High	High	High	
Linaria arvensis													High		High	
Linaria vulgaris																
Linnaea borealis																
Linum maritimum L.																
Liparis loeselii													High			
Liparis loeselii (L.) L.C.M. Richard																
Listera cordata													High			
Listera ovata													High			
Lobelia dortmanna													High		High	
Loeflingia hispanica L.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Juglans regia L.	High												
Juncus bufonius													
Juncus bulbosus subsp. bulbosus			High										
Juncus compressus			High										
Juncus conglomeratus													
Juncus gerardi													
Juncus inflexus													
Juncus maritimus													
Juncus squarrosus													
Juncus tenageia			High										
Juncus tenuis													
Juniperus communis L.	High		High	High					High	High	High		
Juniperus oxycedrus L.		High		High									
Juniperus phoenicea L.		High		High									
Juniperus sabina L.					High	High							
Juniperus thurifera L.		High											
Kickxia elatine													
Kickxia spuria													
Knautia arvensis (L.) Coulter													
Koeleria macrantha													
Lactuca tatarica			High										
Larix decidua Miller	High												
Lathyrus aphaca													
Laurus nobilis L.		High											
Lavatera trimestris L.													
Leersia oryzoides			High										
Leontodon hispidus L.					High	High							
Leucanthemum vulgare Lam.													
Ligustrum vulgare L.	High	High											
Linaria arvensis													
Linaria vulgaris			High										
Linnaea borealis			High										
Linum maritimum L.									High	High	High		
Liparis loeselii			High										
Liparis loeselii (L.) L.C.M. Richard							High	High					
Listera cordata			High										
Listera ovata													
Lobelia dortmanna			High										
Loeflingia hispanica L.				High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Lonicera periclymenum L.													High	High	High	
Loranthus europaeus Jacq.													High	High	High	
Lotus corniculatus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Ludwigia palustris													High			
Luronium natans (L.) Rafin.																
Luzula luzuloides													High			
Luzula multiflora subsp. congesta													High			
Luzula multiflora subsp. multiflora													High			
Lychnis alpina L.			High													High
Lychnis coronaria (L.) Desr.													High	High	High	
Lychnis flos-cuculi L.			High													High
Lychnis flos-jovis (L.) Desr.																
Lychnis viscaria L.			High										High	High	High	High
Lycopodiella inundata (L.) J. Holub																
Lycopodium annotinum													High	High	High	
Lycopodium annotinum L.													High	High	High	
Lycopodium clavatum L.			High										High	High	High	High
Lycopodium tristachyum													High			
Lysimachia thyrsiflora													High	High		
Lythrum salicaria													High	High		
Lythrum salicaria L.			High													High
Maianthemum bifolium													High	High	High	
Malva alcea																
Malva moschata														High		
Malva moschata L.			High										High	High	High	High
Malva neglecta													High			
Marrubium vulgare														High		
Marsilea quadrifolia L.																
Marsilea strigosa Willd.																
Matteuccia struthiopteris (L.) Tod.			High										High	High	High	High
Meconopsis cambrica (L.) Vig.																
Medicago falcata													High		High	
Medicago lupulina													High	High	High	
Medicago minima														High		
Medicago sativa																
Medicago x varia																
Melampyrum arvense														High		
Melampyrum pratense L.			High										High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Lonicera periclymenum L.	High												
Loranthus europaeus Jacq.													
Lotus corniculatus L.				High									
Ludwigia palustris			High										
Luronium natans (L.) Rafin.												High	High
Luzula luzuloides			High										
Luzula multiflora subsp. congesta			High										
Luzula multiflora subsp. multiflora			High										
Lychnis alpina L.					High	High							
Lychnis coronaria (L.) Desr.													
Lychnis flos-cuculi L.													
Lychnis flos-jovis (L.) Desr.					High	High							
Lychnis viscaria L.				High									
Lycopodiella inundata (L.) J. Holub							High	High					
Lycopodium annotinum			High										
Lycopodium annotinum L.													
Lycopodium clavatum L.	High												
Lycopodium tristachyum													
Lysimachia thyrsiflora			High										
Lythrum salicaria			High										
Lythrum salicaria L.												High	High
Maianthemum bifolium													
Malva alcea			High										
Malva moschata			High										
Malva moschata L.													
Malva neglecta			High										
Marrubium vulgare													
Marsilea quadrifolia L.												High	High
Marsilea strigosa Willd.												High	High
Matteuccia struthiopteris (L.) Tod.												High	High
Meconopsis cambrica (L.) Vig.					High	High							
Medicago falcata			High										
Medicago lupulina			High										
Medicago minima													
Medicago sativa			High										
Medicago x varia			High										
Melampyrum arvense			High										
Melampyrum pratense L.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Melica nutans L.													High	High	High	
Melica uniflora Retz.													High	High	High	
Melilotus officinalis																
Mentha suaveolens													High			
Menyanthes trifoliata													High			
Mercurialis annua														High		
Mesembryanthemum crystallinum L.													High	High	High	
Mesembryanthemum nodiflorum L.																
Mespilus germanica													High			
Meum athamanticum Jacq.			High										High	High	High	High
Mibora minima													High	High	High	
Milium effusum													High	High	High	
Milium vernale													High	High	High	
Mimulus guttatus													High	High	High	
Minuartia austriaca (Jacq.) Hayek																
Minuartia capillacea (All.) Graebner																
Minuartia cherlerioides (Hoppe) Becherer			High													High
Minuartia geniculata (Poiret) Thell.																
Minuartia glomerata (Bieb.) Degen													High	High	High	
Minuartia graminifolia (Ard.) J v.			High													High
Minuartia hybrida													High	High	High	
Minuartia hybrida (Vill.) Schischkin			High													High
Minuartia laricifolia (L.) Schinz & Thell.																
Minuartia mediterranea (Ledeb.) K. Maly																
Minuartia mutabilis (Lapeyr.) Schinz & Thell. ex Becherer																
Minuartia recurva (All.) Schinz & Thell.													High	High	High	
Minuartia rubra (Scop.) McNeill			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Melica nutans L.													
Melica uniflora Retz.	High												
Melilotus officinalis			High										
Mentha suaveolens													
Menyanthes trifoliata			High										
Mercurialis annua													
Mesembryanthemum crystallinum L.									High	High	High		
Mesembryanthemum nodiflorum L.		High		High					High	High	High		
Mespilus germanica													
Meum athamanticum Jacq.			High										
Mibora minima			High										
Milium effusum													
Milium vernale			High										
Mimulus guttatus													
Minuartia austriaca (Jacq.) Hayek					High	High							
Minuartia capillacea (All.) Graebner					High	High							
Minuartia cherlerioides (Hoppe) Becherer					High	High							
Minuartia geniculata (Poiret) Thell.				High									
Minuartia glomerata (Bieb.) Degen					High	High							
Minuartia graminifolia (Ard.) J v.					High	High							
Minuartia hybrida			High										
Minuartia hybrida (Vill.) Schischkin				High									
Minuartia laricifolia (L.) Schinz & Thell.					High	High							
Minuartia mediterranea (Ledeb.) K. Maly		High			High	High							
Minuartia mutabilis (Lapeyr.) Schinz & Thell. ex Becherer					High	High							
Minuartia recurva (All.) Schinz & Thell.					High	High							
Minuartia rubra (Scop.) McNeill				High									

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Minuartia rupestris (Scop.) Schinz & Thell.																
Minuartia sedoides (L.) Hiern			High													High
Minuartia setacea (Thuill.) Hayek			High													High
Minuartia stricta (Swartz) Hiern																
Minuartia verna (L.) Hiern			High													High
Minuartia villarii (Balbis) Wilczek & Chenevard																
Minuartia viscosa (Schreber) Schinz & Thell.	High	High		High	High	High	High	High	High	High	High	High				
Moehringia bavarica (L.) Gren.																
Moehringia ciliata (Scop.) Dalla Torre			High													High
Moehringia muscosa L.																
Moehringia pentandra Gay													High	High	High	
Moehringia tommasinii Marchesetti																
Moehringia trinervia (L.) Clairv.			High										High	High	High	High
Moenchia erecta (L.) P. Gaertner, B. Meyer & Scherb.																
Moenchia mantica (L.) Bartl.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Molinia caerulea (L.) Moench			High										High	High	High	High
Moneses uniflora																
Montia fontana L.																
Muscari botryoides (L.) Miller			High										High	High	High	High
Muscari comosum																
Myosotis arvensis													High			
Myosotis laxa (subsp. cespitosa)													High			
Myosotis ramosissima													High			
Myosotis stricta													High			
Myosoton aquaticum (L.) Moench	High	High	High	High	High	High	High	High	High	High	High	High				High
Myosurus minimus													High			
Myosurus minimus L.	High	High	High	High	High	High	High	High	High	High	High	High				High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Minuartia rupestris (Scop.) Schinz & Thell.					High	High							
Minuartia sedoides (L.) Hiern													
Minuartia setacea (Thuill.) Hayek				High									
Minuartia stricta (Swartz) Hiern							High	High					
Minuartia verna (L.) Hiern													
Minuartia villarii (Balbis) Wilczek & Chenevard					High	High							
Minuartia viscosa (Schreber) Schinz & Thell.				High									
Moehringia bavarica (L.) Gren.					High	High							
Moehringia ciliata (Scop.) Dalla Torre					High	High							
Moehringia muscosa L.					High	High							
Moehringia pentandra Gay													
Moehringia tommasinii Marchesetti					High	High							
Moehringia trinervia (L.) Clairv.	High												
Moenchia erecta (L.) P. Gaertner, B. Meyer & Scherb.				High									
Moenchia mantica (L.) Bartl.													
Molinia caerulea (L.) Moench	High			High			High	High				High	High
Moneses uniflora			High										
Montia fontana L.							High	High				High	High
Muscari botryoides (L.) Miller													
Muscari comosum			High										
Myosotis arvensis													
Myosotis laxa (subsp. cespitosa)													
Myosotis ramosissima													
Myosotis stricta													
Myosoton aquaticum (L.) Moench	High											High	High
Myosurus minimus													
Myosurus minimus L.												High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Myrica gale L.													High	High	High	
Myriophyllum alterniflorum													High			
Myriophyllum spicatum													High			
Myriophyllum verticillatum														High		
Najas marina													High			
Najas minor													High		High	
Narcissus pseudonarcissus subsp. pseudonarcis													High	High	High	
Nardus stricta L.			High													High
Narthecium ossifragum													High			
Nelumbo nucifera Gaertner																
Nepeta cataria													High			
Nicandra physalodes													High	High	High	
Nigella arvensis													High	High	High	
Nigella arvensis L.	High	High		High	High	High	High	High	High	High	High	High				
Nigella damascena L.	High	High		High	High	High	High	High	High	High	High	High				
Notholaena marantae (L.) Desv.																
Nuphar lutea Sm.																
Nuphar pumila (Timm) DC.																
Nymphaea alba L.																
Nymphaea candida C. Presl																
Ononis spinosa L.			High													High
Ophioglossum azoricum C. Presl			High													High
Ophioglossum lusitanicum L.			High													High
Ophioglossum vulgatum L.			High													High
Ophrys insectifera L.			High										High	High	High	High
Ophrys sphegodes													High			
Orchis militaris													High		High	
Orchis militaris L.			High													High
Orchis morio													High		High	
Oreopteris limbosperma (Bellardi ex All.) J. Holub													High	High	High	
Origanum vulgare													High	High	High	
Ornithogalum nutans													High	High	High	
Orobanche caryophyllacea														High		
Orobanche reticulata													High		High	
Ortegia hispanica L.																
Osmunda regalis													High			
Osmunda regalis L.			High										High	High	High	High
Ostrya carpinifolia Scop.													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Myrica gale L.	High			High			High	High				High	High
Myriophyllum alterniflorum													
Myriophyllum spicatum			High										
Myriophyllum verticillatum													
Najas marina			High										
Najas minor			High										
Narcissus pseudonarcissus													
subsp. pseudonarcis			High										
Nardus stricta L.	High			High									
Narthecium ossifragum			High										
Nelumbo nucifera Gaertner												High	High
Nepeta cataria			High										
Nicandra physalodes			High										
Nigella arvensis			High										
Nigella arvensis L.													
Nigella damascena L.													
Notholaena marantae (L.) Desv.					High	High							
Nuphar lutea Sm.												High	High
Nuphar pumila (Timm) DC.												High	High
Nymphaea alba L.												High	High
Nymphaea candida C. Presl												High	High
Ononis spinosa L.		High							High	High	High		
Ophioglossum azoricum C. Presl													
Ophioglossum lusitanicum L.													
Ophioglossum vulgatum L.				High					High	High	High		
Ophrys insectifera L.													
Ophrys sphegodes													
Orchis militaris													
Orchis militaris L.													
Orchis morio			High										
Oreopteris limbosperma													
(Bellardi ex All.) J. Holub													
Origanum vulgare			High										
Ornithogalum nutans													
Orobanche caryophyllacea													
Orobanche reticulata													
Ortegia hispanica L.				High									
Osmunda regalis													
Osmunda regalis L.							High	High					
Ostrya carpinifolia Scop.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Osyris alba L.																
Oxalis acetosella													High			
Oxalis corniculata													High	High	High	
Oxybaphus nyctagineus (Michx) Sweet	High	High		High	High	High	High	High	High	High	High	High				
Oxycoccus macrocarpos													High			
Oxyria digyna (L.) Hill																
Oxytropis campestris (L.) DC.			High													High
Paeonia mascula (L.) Miller													High	High	High	
Paeonia officinalis L.			High										High	High	High	High
Paeonia peregrina Miller			High										High	High	High	High
Papaver alpinum L.																
Papaver apulum Ten.	High	High		High	High	High	High	High	High	High	High	High				
Papaver argemone													High	High		
Papaver argemone L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver dubium													High			
Papaver dubium L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver hybridum L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver pinnatifidum Moris	High	High		High	High	High	High	High	High	High	High	High				
Papaver rhoeas L.	High	High		High	High	High	High	High	High	High	High	High				
Papaver somniferum L.	High	High		High	High	High	High	High	High	High	High	High				
Parietaria cretica L.																
Parietaria judaica L.																
Parietaria lusitanica L.																
Parietaria mauritanica Durieu																
Parietaria officinalis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Paris quadrifolia													High			
Parnassia palustris													High	High	High	
Paronychia argentea Lam.																
Paronychia capitata (L.) Lam.																
Paronychia cephalotes (Bieb.) Besser			High													High
Paronychia echinulata Chater																
Paronychia kapela (Hacq.) A. Kerner			High													High
Paronychia polygonifolia (Vill.) DC.			High													High
Pedicularis palustris														High		

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Osyris alba L.		High											
Oxalis acetosella			High										
Oxalis corniculata													
Oxybaphus nyctagineus (Michx) Sweet													
Oxycoccus macrocarpos													
Oxyria digyna (L.) Hill					High	High							
Oxytropis campestris (L.) DC.					High	High							
Paeonia mascula (L.) Miller													
Paeonia officinalis L.					High	High							
Paeonia peregrina Miller													
Papaver alpinum L.					High	High							
Papaver apulum Ten.													
Papaver argemone													
Papaver argemone L.													
Papaver dubium			High										
Papaver dubium L.													
Papaver hybridum L.													
Papaver pinnatifidum Moris													
Papaver rhoeas L.													
Papaver somniferum L.													
Parietaria cretica L.					High	High							
Parietaria judaica L.					High	High							
Parietaria lusitanica L.					High	High							
Parietaria mauritanica Durieu					High	High							
Parietaria officinalis L.	High												
Paris quadrifolia			High										
Parnassia palustris			High										
Paronychia argentea Lam.		High											
Paronychia capitata (L.) Lam.		High			High	High							
Paronychia cephalotes (Bieb.) Besser					High	High							
Paronychia echinulata Chater				High									
Paronychia kapela (Hacq.) A. Kerner	High												
Paronychia polygonifolia (Vill.) DC.				High	High	High							
Pedicularis palustris			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Petasites hybridus (L.) P. Gaertner, B. Meyer & Scherb.			High										High	High	High	High
Petrorhagia illyrica (Ard.) P.W. Ball & Heywood			High													High
Petrorhagia nanteuilii (Burnat) P.W. Ball & Heywood	High	High		High	High	High	High	High	High	High	High	High				
Petrorhagia prolifera (L.) P.W. Ball & Heywood			High													High
Petrorhagia velutina (Guss.) P.W. Ball & Heywood	High	High		High	High	High	High	High	High	High	High	High				
Petroselinum segetum													High			
Peucedanum oreoselinum (L.) Moench			High										High	High	High	High
Peucedanum palustre													High	High	High	
Phalaris arundinacea													High	High	High	
Phegopteris connectilis (Michx) Watt			High										High	High	High	High
Phleum pratense subsp. bertolonii													High			
Phragmites australis													High			
Phytolacca americana L.	High	High		High	High	High	High	High	High	High	High	High				
Picea abies (L.) Karsten													High	High	High	
Pilularia globulifera													High			
Pilularia globulifera L.																
Pilularia minuta Durieu ex A. Braun																
Pimpinella major													High			
Pimpinella major (L.) Hudson			High										High	High	High	High
Pimpinella saxifraga													High	High		
Pinguicula vulgaris														High		
Pinus cembra L.													High	High	High	
Pinus halepensis Miller													High	High	High	
Pinus mugo Turra													High	High	High	
Pinus nigra Arnold													High	High	High	
Pinus pinaster Aiton													High	High	High	
Pinus pinea L.													High	High	High	
Pinus sylvestris													High	High		
Pinus sylvestris L.													High	High	High	
Pinus uncinata Miller ex Mirbel													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Petasites hybridus (L.) P. Gaertner, B. Meyer & Scherb.												High	High
Petrorhagia illyrica (Ard.) P.W. Ball & Heywood					High	High							
Petrorhagia nanteuilii (Burnat) P.W. Ball & Heywood				High									
Petrorhagia prolifera (L.) P.W. Ball & Heywood				High									
Petrorhagia velutina (Guss.) P.W. Ball & Heywood		High		High	High	High							
Petroselinum segetum			High										
Peucedanum oreoselinum (L.) Moench	High			High									
Peucedanum palustre													
Phalaris arundinacea													
Phegopteris connectilis (Michx) Watt	High						High	High				High	High
Phleum pratense subsp. bertolonii													
Phragmites australis			High										
Phytolacca americana L.													
Picea abies (L.) Karsten	High												
Pilularia globulifera													
Pilularia globulifera L.												High	High
Pilularia minuta Durieu ex A. Braun												High	High
Pimpinella major													
Pimpinella major (L.) Hudson			High										
Pimpinella saxifraga			High										
Pinguicula vulgaris			High										
Pinus cembra L.	High		High										
Pinus halepensis Miller	High			High									
Pinus mugo Turra	High		High				High	High					
Pinus nigra Arnold		High											
Pinus pinaster Aiton		High	High	High									
Pinus pinea L.		High	High	High									
Pinus sylvestris			High										
Pinus sylvestris L.	High	High							High	High	High		
Pinus uncinata Miller ex Mirbel													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Plantago coronopus														High		
Plantago coronopus L.																
Plantago lanceolata L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Plantago major subsp. pleiosperma													High	High	High	
Plantago maritima														High	High	
Plantago media													High			
Platanthera chlorantha													High	High		
Poa bulbosa													High	High	High	
Poa palustris													High			
Poa pratensis													High			
Poa pratensis L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Poa trivialis														High		
Polycarpon polycarpoides (Biv.) Zodda																
Polycarpon tetraphyllum (L.) L.	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum arvense L.	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum heuffelii A.F. L ng	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum majus A. Braun	High	High		High	High	High	High	High	High	High	High	High				
Polycnemum verrucosum A.F. L ng	High	High		High	High	High	High	High	High	High	High	High				
Polygala serpyllifolia													High			
Polygonatum odoratum													High			
Polygonum alpinum All.			High													High
Polygonum amphibium													High	High	High	
Polygonum amphibium L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Polygonum arenarium Waldst. & Kit.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum aviculare													High	High	High	
Polygonum aviculare L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Polygonum bistorta L.			High													High
Polygonum equisetiforme Sm.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum graminifolium Wierzb. ex Heuffel	High	High		High	High	High	High	High	High	High	High	High				
Polygonum hydropiper L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum lapathifolium													High		High	
Polygonum lapathifolium L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum maritimum L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum minus													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Plantago coronopus			High										
Plantago coronopus L.				High					High	High	High		
Plantago lanceolata L.				High									
Plantago major subsp. pleiosperma			High										
Plantago maritima													
Plantago media			High										
Platanthera chlorantha													
Poa bulbosa			High										
Poa palustris			High										
Poa pratensis													
Poa pratensis L.				High									
Poa trivialis													
Polycarpon polycarpoides (Biv.) Zodda					High	High			High	High	High		
Polycarpon tetraphyllum (L.) L.													
Polycnemum arvense L.				High									
Polycnemum heuffelii A.F. L ng				High									
Polycnemum majus A. Braun													
Polycnemum verrucosum A.F. L ng				High									
Polygala serpyllifolia			High										
Polygonatum odoratum			High										
Polygonum alpinum All.													
Polygonum amphibium													
Polygonum amphibium L.												High	High
Polygonum arenarium Waldst. & Kit.				High									
Polygonum aviculare			High										
Polygonum aviculare L.													
Polygonum bistorta L.												High	High
Polygonum equisetiforme Sm.									High	High	High		
Polygonum graminifolium Wierzb. ex Heuffel				High									
Polygonum hydropiper L.												High	High
Polygonum lapathifolium													
Polygonum lapathifolium L.												High	High
Polygonum maritimum L.				High									
Polygonum minus			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Polygonum minus Hudson																
Polygonum mite													High	High	High	
Polygonum mite Schrank													High	High	High	
Polygonum orientale L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum oxyspermum													High			
Polygonum oxyspermum C.A. Meyer & Bunge ex Ledeb.																
Polygonum patulum Bieb.																
Polygonum persicaria													High		High	
Polygonum persicaria L.	High	High		High	High	High	High	High	High	High	High	High				
Polygonum salicifolium Brouss. ex Willd.																
Polygonum viviparum L.			High													High
Polypodium cambricum L.																
Polypodium interjectum													High			
Polypodium interjectum Shivas																
Polypodium vulgare L.													High	High	High	
Polystichum aculeatum (L.) Roth													High	High	High	
Polystichum lonchitis (L.) Roth																
Polystichum setiferum (ForskÅl) Woynar													High	High	High	
Populus alba L.													High	High	High	
Populus nigra L.													High	High	High	
Populus tremula L.													High	High	High	
Portulaca grandiflora Hooker	High	High		High	High	High	High	High	High	High	High	High				
Portulaca oleracea L.	High	High		High	High	High	High	High	High	High	High	High				
Potamogeton alpinus													High			
Potamogeton mucronatus													High			
Potentilla anglica													High	High	High	
Potentilla anglica Laicharding			High													High
Potentilla anserina L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Potentilla argentea													High	High	High	
Potentilla erecta (L.) Raeuschel			High										High	High	High	High
Potentilla intermedia																
Potentilla reptans													High	High	High	
Potentilla sterilis																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Polygonum minus Hudson												High	High
Polygonum mite													
Polygonum mite Schrank												High	High
Polygonum orientale L.													
Polygonum oxyspermum			High										
Polygonum oxyspermum C.A. Meyer & Bunge ex Ledeb.									High	High	High		
Polygonum patulum Bieb.				High									
Polygonum persicaria			High										
Polygonum persicaria L.												High	High
Polygonum salicifolium Brouss. ex Willd.							High	High					
Polygonum viviparum L.													
Polypodium cambricum L.					High	High							
Polypodium interjectum			High										
Polypodium interjectum Shivas					High	High							
Polypodium vulgare L.					High	High							
Polystichum aculeatum (L.) Roth													
Polystichum lonchitis (L.) Roth					High	High							
Polystichum setiferum (ForskÅl) Woynar	High												
Populus alba L.												High	High
Populus nigra L.													
Populus tremula L.	High												
Portulaca grandiflora Hooker													
Portulaca oleracea L.													
Potamogeton alpinus			High										
Potamogeton mucronatus			High										
Potentilla anglica			High										
Potentilla anglica Laicharding													
Potentilla anserina L.									High	High	High	High	High
Potentilla argentea			High										
Potentilla erecta (L.) Raeuschel	High												
Potentilla intermedia			High										
Potentilla reptans			High										
Potentilla sterilis			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Potentilla sterilis (L.) Garcke													High	High	High	
Potentilla tabernaemontani Ascherson			High										High	High	High	High
Potentilla verna													High			
Primula elatior													High			
Primula elatior (L.) Hill			High										High	High	High	High
Primula vulgaris													High			
Prunella vulgaris L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Prunus mahaleb L.													High	High	High	
Prunus padus L.													High	High	High	
Prunus spinosa L.													High	High	High	
Pseudofumaria lutea (L.) Borkh.																
Pseudostellaria europaea Schaeftlein													High	High	High	
Pteridium aquilinum (L.) Kuhn													High	High	High	
Pteris cretica L.																
Pteris vittata L.																
Pulicaria dysenterica (L.) Bernh.			High													High
Pulicaria vulgaris													High	High	High	
Pulmonaria officinalis													High	High	High	
Pulsatilla alpina (L.) Delarbre			High													High
Pulsatilla halleri (All.) Willd.			High													High
Pulsatilla montana (Hoppe) Reichenb.			High													High
Pulsatilla patens (L.) Miller			High										High	High	High	High
Pulsatilla pratensis (L.) Miller			High										High	High	High	High
Pulsatilla vernalis (L.) Miller			High										High	High	High	High
Pulsatilla vulgaris Miller			High										High	High	High	High
Pyrola rotundifolia													High			
Pyrus communis													High	High	High	
Quercus cerris L.													High	High	High	
Quercus coccifera L.													High	High	High	
Quercus congesta C. Presl													High	High	High	
Quercus dalechampii Ten.													High	High	High	
Quercus frainetto Ten.													High	High	High	
Quercus ilex L.													High	High	High	
Quercus macrolepis Kotschy													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Potentilla sterilis (L.) Garcke	High												
Potentilla tabernaemontani Ascherson				High									
Potentilla verna													
Primula elatior			High										
Primula elatior (L.) Hill	High												
Primula vulgaris			High										
Prunella vulgaris L.													
Prunus mahaleb L.	High	High											
Prunus padus L.	High												
Prunus spinosa L.	High	High											
Pseudofumaria lutea (L.) Borkh.					High	High							
Pseudostellaria europaea Schaeftlein													
Pteridium aquilinum (L.) Kuhn	High												
Pteris cretica L.					High	High							
Pteris vittata L.					High	High							
Pulicaria dysenterica (L.) Bernh.													
Pulicaria vulgaris			High										
Pulmonaria officinalis			High										
Pulsatilla alpina (L.) Delarbre													
Pulsatilla halleri (All.) Willd.													
Pulsatilla montana (Hoppe) Reichenb.													
Pulsatilla patens (L.) Miller				High									
Pulsatilla pratensis (L.) Miller													
Pulsatilla vernalis (L.) Miller	High												
Pulsatilla vulgaris Miller	High												
Pyrola rotundifolia													
Pyrus communis			High										
Quercus cerris L.													
Quercus coccifera L.		High		High									
Quercus congesta C. Presl													
Quercus dalechampii Ten.													
Quercus frainetto Ten.													
Quercus ilex L.		High		High									
Quercus macrolepis Kotschy													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Quercus petraea																
Quercus petraea (Mattuschka) Liebl.													High	High	High	
Quercus polycarpa Schur													High	High	High	
Quercus pubescens Willd.													High	High	High	
Quercus pyrenaica Willd.													High	High	High	
Quercus robur L.													High	High	High	
Quercus suber L.													High	High	High	
Quercus trojana Webb													High	High	High	
Ranunculus aconitifolius L.			High										High	High	High	High
Ranunculus acris L.			High													High
Ranunculus aduncus Gren.			High										High	High	High	High
Ranunculus alpestris L.			High													High
Ranunculus aquatilis													High		High	
Ranunculus aquatilis L.																
Ranunculus arvensis													High			
Ranunculus arvensis L.	High	High		High	High	High	High	High	High	High	High	High				
Ranunculus auricomus L.			High										High	High	High	High
Ranunculus brevifolius Ten.																
Ranunculus brutius Ten.													High	High	High	
Ranunculus bulbosus L.			High													High
Ranunculus bullatus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Ranunculus carinthiacus Hoppe			High													High
Ranunculus cassubicus L.			High										High	High	High	High
Ranunculus chius DC.			High													High
Ranunculus circinatus Sibth.																
Ranunculus fallax (Wimmer & Grab.) Sloboda			High										High	High	High	High
Ranunculus ficaria L.			High										High	High	High	High
Ranunculus flammula L.			High													High
Ranunculus fluitans Lam.																
Ranunculus fontanus C. Presl			High													High
Ranunculus glacialis L.																
Ranunculus gracilis E.D. Clarke													High	High	High	
Ranunculus gramineus L.			High													High
Ranunculus grenierianus Jordan			High										High	High	High	High
Ranunculus hederaceus L.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Quercus petraea			High										
Quercus petraea (Mattuschka) Liebl.	High												
Quercus polycarpa Schur													
Quercus pubescens Willd.	High	High		High									
Quercus pyrenaica Willd.	High			High									
Quercus robur L.	High			High									
Quercus suber L.	High	High		High									
Quercus trojana Webb													
Ranunculus aconitifolius L.	High											High	High
Ranunculus acris L.													
Ranunculus aduncus Gren.													
Ranunculus alpestris L.													
Ranunculus aquatilis			High										
Ranunculus aquatilis L.												High	High
Ranunculus arvensis			High										
Ranunculus arvensis L.													
Ranunculus auricomus L.													
Ranunculus brevifolius Ten.					High	High							
Ranunculus brutius Ten.													
Ranunculus bulbosus L.													
Ranunculus bullatus L.													
Ranunculus carinthiacus Hoppe													
Ranunculus cassubicus L.													
Ranunculus chius DC.													
Ranunculus circinatus Sibth.												High	High
Ranunculus fallax (Wimmer & Grab.) Sloboda													
Ranunculus ficaria L.	High												
Ranunculus flammula L.							High	High				High	High
Ranunculus fluitans Lam.												High	High
Ranunculus fontanus C. Presl												High	High
Ranunculus glacialis L.					High	High							
Ranunculus gracilis E.D. Clarke													
Ranunculus gramineus L.													
Ranunculus grenierianus Jordan		High											
Ranunculus hederaceus L.							High	High				High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Ranunculus hybridus Biria			High													High
Ranunculus illyricus L.			High													High
Ranunculus lanuginosus L.													High	High	High	
Ranunculus lateriflorus DC.																
Ranunculus lingua L.			High													High
Ranunculus macrophyllus Desf.			High													High
Ranunculus millefoliatus Vahl			High													High
Ranunculus monspeliacus L.			High													High
Ranunculus montanus Willd.			High										High	High	High	High
Ranunculus muricatus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Ranunculus ololeucos Lloyd																
Ranunculus omiophyllus Ten.																
Ranunculus ophioglossifolius Vill.																
Ranunculus oreophilus Bieb.			High													High
Ranunculus paludosus Poiret			High													High
Ranunculus parnassiifolius L.																
Ranunculus parviflorus L.	High	High		High	High	High	High	High	High	High	High	High				
Ranunculus pedatus Waldst. & Kit.			High													High
Ranunculus peltatus													High			
Ranunculus peltatus Schrank																
Ranunculus penicillatus (Dumort.) Bab.																
Ranunculus platanifolius L.			High										High	High	High	High
Ranunculus polyanthemos L.			High										High	High	High	High
Ranunculus pseudomontanus Schur			High													High
Ranunculus psilostachys Griseb.			High													High
Ranunculus pygmaeus Wahlenb.			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Ranunculus hybridus Biria					High	High							
Ranunculus illyricus L.													
Ranunculus lanuginosus L.	High												
Ranunculus lateriflorus DC.												High	High
Ranunculus lingua L.													
Ranunculus macrophyllus Desf.												High	High
Ranunculus millefoliatus Vahl					High	High							
Ranunculus monspeliacus L.													
Ranunculus montanus Willd.					High	High							
Ranunculus muricatus L.													
Ranunculus ololeucos Lloyd												High	High
Ranunculus omiophyllus Ten.												High	High
Ranunculus ophioglossifolius Vill.									High	High	High	High	High
Ranunculus oreophilus Bieb.					High	High							
Ranunculus paludosus Poiret													
Ranunculus parnassiifolius L.					High	High							
Ranunculus parviflorus L.													
Ranunculus pedatus Waldst. & Kit.													
Ranunculus peltatus			High										
Ranunculus peltatus Schrank									High	High	High	High	High
Ranunculus penicillatus (Dumort.) Bab.												High	High
Ranunculus platanifolius L.	High											High	High
Ranunculus polyanthemos L.	High												
Ranunculus pseudomontanus Schur					High	High							
Ranunculus psilostachys Griseb.													
Ranunculus pygmaeus Wahlenb.					High	High							

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Ranunculus repens L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Ranunculus reptans L.																
Ranunculus revelieri Boreau			High													High
Ranunculus rionii Lagger																
Ranunculus sardous Crantz	High	High	High	High	High	High	High	High	High	High	High	High				High
Ranunculus sceleratus L.																
Ranunculus seguieri Vill.																
Ranunculus serbicus Vis.			High													High
Ranunculus strigulosus Schur			High													High
Ranunculus thora L.			High													High
Ranunculus trichophyllus Chaix																
Ranunculus trilobus Desf.	High	High		High	High	High	High	High	High	High	High	High				
Ranunculus tripartitus DC.																
Ranunculus velutinus Ten.			High										High	High	High	High
Reseda lutea													High			
Reynoutria japonica Houtt.	High	High	High	High	High	High	High	High	High	High	High	High				High
Reynoutria sachalinensis (Friedrich Schmidt Petrop.) Nakai	High	High	High	High	High	High	High	High	High	High	High	High				High
Rhamnus alaternus L.													High	High	High	
Rhamnus catharticus L.													High	High	High	
Rhynchospora alba													High	High	High	
Rhynchospora fusca													High	High	High	
Ribes nigrum																
Ribes rubrum													High	High	High	
Ribes rubrum L.													High	High	High	
Roemeria hybrida (L.) DC.	High	High		High	High	High	High	High	High	High	High	High				
Rorippa austriaca														High	High	
Rorippa microphylla													High	High	High	
Rorippa nasturtium-aquaticum													High	High	High	
Rorippa palustris														High	High	
Rorippa sylvestris													High	High	High	
Rorippa x anceps														High		
Rosa arvensis														High		
Rosa pimpinellifolia													High	High	High	
Rosa rugosa													High		High	
Rubus caesius L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Rubus idaeus L.			High										High	High	High	High
Rumex acetosa L.			High													High
Rumex acetosella L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Ranunculus repens L.	High											High	High
Ranunculus reptans L.												High	High
Ranunculus revelieri Boreau												High	High
Ranunculus rionii Lagger												High	High
Ranunculus sardous Crantz												High	High
Ranunculus sceleratus L.												High	High
Ranunculus seguieri Vill.					High	High							
Ranunculus serbicus Vis.												High	High
Ranunculus strigulosus Schur													
Ranunculus thora L.					High	High							
Ranunculus trichophyllus Chaix												High	High
Ranunculus trilobus Desf.												High	High
Ranunculus tripartitus DC.												High	High
Ranunculus velutinus Ten.													
Reseda lutea													
Reynoutria japonica Houtt.												High	High
Reynoutria sachalinensis (Friedrich Schmidt Petrop.) Nakai												High	High
Rhamnus alaternus L.		High											
Rhamnus catharticus L.	High												
Rhynchospora alba			High										
Rhynchospora fusca			High										
Ribes nigrum			High										
Ribes rubrum			High										
Ribes rubrum L.	High												
Roemeria hybrida (L.) DC.													
Rorippa austriaca													
Rorippa microphylla			High										
Rorippa nasturtium-aquaticum			High										
Rorippa palustris			High										
Rorippa sylvestris			High										
Rorippa x anceps													
Rosa arvensis			High										
Rosa pimpinellifolia			High										
Rosa rugosa			High										
Rubus caesius L.	High			High									
Rubus idaeus L.	High											High	High
Rumex acetosa L.													
Rumex acetosella L.	High			High	High	High							

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Rumex alpestris Jacq.			High										High	High	High	High
Rumex alpinus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex aquaticus L.			High													High
Rumex bucephalophorus L.	High	High		High	High	High	High	High	High	High	High	High				
Rumex conglomeratus Murray			High													High
Rumex crispus L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex cristatus DC.	High	High		High	High	High	High	High	High	High	High	High				
Rumex hydrolapathum Hudson			High													High
Rumex intermedius DC.	High	High		High	High	High	High	High	High	High	High	High				
Rumex longifolius DC.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex maritimus L.																
Rumex nebroides Campd.			High													High
Rumex nepalensis Sprengel													High	High	High	
Rumex nivalis Hegetschw.			High													High
Rumex obtusifolius L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex palustris Sm.																
Rumex patientia L.	High	High		High	High	High	High	High	High	High	High	High				
Rumex pseudonatronatus Borb s																
Rumex pulcher L.	High	High		High	High	High	High	High	High	High	High	High				
Rumex rupestris Le Gall																
Rumex salicifolius (Danser) Hickman			High													High
Rumex sanguineus L.			High										High	High	High	High
Rumex scutatus L.																
Rumex stenophyllus Ledeb.			High													High
Rumex thyrsiflorus Fingerh.	High	High	High	High	High	High	High	High	High	High	High	High				High
Rumex tuberosus L.			High										High	High	High	High
Sagina apetala Ard.	High	High		High	High	High	High	High	High	High	High	High				
Sagina glabra (Willd.) Fenzl			High													High
Sagina maritima G. Don			High													High
Sagina nodosa																
Sagina nodosa (L.) Fenzl																
Sagina procumbens																
Sagina procumbens L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Sagina saginoides (L.) Karsten	High	High	High	High	High	High	High	High	High	High	High	High				High
Sagina subulata													High	High	High	
Sagina subulata (Swartz) C. Presl																
Sagittaria sagittifolia													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Rumex alpestris Jacq.													
Rumex alpinus L.													
Rumex aquaticus L.													
Rumex bucephalophorus L.		High		High	High	High			High	High	High		
Rumex conglomeratus Murray												High	High
Rumex crispus L.													
Rumex cristatus DC.									High	High	High		
Rumex hydrolapathum Hudson													
Rumex intermedius DC.													
Rumex longifolius DC.													
Rumex maritimus L.												High	High
Rumex nebroides Campd.													
Rumex nepalensis Sprengel													
Rumex nivalis Hegetschw.													
Rumex obtusifolius L.													
Rumex palustris Sm.												High	High
Rumex patientia L.													
Rumex pseudonatronatus Borb s									High	High	High	High	High
Rumex pulcher L.													
Rumex rupestris Le Gall				High			High	High	High	High	High		
Rumex salicifolius (Danser) Hickman													
Rumex sanguineus L.	High												
Rumex scutatus L.					High	High							
Rumex stenophyllus Ledeb.												High	High
Rumex thyrsiflorus Fingerh.													
Rumex tuberosus L.					High	High							
Sagina apetala Ard.				High								High	High
Sagina glabra (Willd.) Fenzl													
Sagina maritima G. Don									High	High	High		
Sagina nodosa			High										
Sagina nodosa (L.) Fenzl									High	High	High	High	High
Sagina procumbens			High										
Sagina procumbens L.												High	High
Sagina saginoides (L.) Karsten							High	High				High	High
Sagina subulata			High										
Sagina subulata (Swartz) C. Presl					High	High							
Sagittaria sagittifolia													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Salicornia europaea + Salicornia procumbens													High	High	High	
Salicornia europaea L.																
Salix alba													High		High	
Salix alba L.													High	High	High	
Salix alpina Scop.			High													High
Salix appendiculata Vill.																
Salix arbuscula L.																
Salix atrocinerea Brot.													High	High	High	
Salix aurita													High		High	
Salix breviserrata B. Flod.																
Salix caesia Vill.																
Salix caprea													High			
Salix caprea L.													High	High	High	
Salix cinerea													High		High	
Salix cinerea L.													High	High	High	
Salix daphnoides Vill.													High	High	High	
Salix elaeagnos Scop.													High	High	High	
Salix foetida Schleicher																
Salix fragilis L.													High	High	High	
Salix glabra Scop.																
Salix glaucosericea B. Flod.			High										High	High	High	High
Salix hastata L.													High	High	High	
Salix helvetica Vill.													High	High	High	
Salix herbacea L.			High													High
Salix lanata L.																
Salix lapponum L.			High													High
Salix myrsinifolia Salisb.													High	High	High	
Salix myrsinites L.																
Salix myrtilloides L.													High	High	High	
Salix pedicellata Desf.																
Salix pentandra L.													High	High	High	
Salix phylicifolia L.																
Salix purpurea L.													High	High	High	
Salix repens													High	High	High	
Salix repens L.													High	High	High	
Salix reticulata L.			High													High
Salix retusa L.			High													High
Salix rosmarinifolia L.																
Salix serpillifolia Scop.			High													High
Salix silesiaca Willd.																
Salix starkeana Willd.			High										High	High	High	High
Salix triandra													High			

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Salicornia europaea + Salicornia procumbens													
Salicornia europaea L.									High	High	High		
Salix alba			High										
Salix alba L.				High									
Salix alpina Scop.													
Salix appendiculata Vill.												High	High
Salix arbuscula L.	High												
Salix atrocinerea Brot.	High						High	High					
Salix aurita			High										
Salix breviserrata B. Flod.	High						High	High				High	High
Salix caesia Vill.							High	High					
Salix caprea			High										
Salix caprea L.	High												
Salix cinerea			High										
Salix cinerea L.												High	High
Salix daphnoides Vill.												High	High
Salix elaeagnos Scop.												High	High
Salix foetida Schleicher	High												
Salix fragilis L.												High	High
Salix glabra Scop.												High	High
Salix glaucosericea B. Flod.	High												
Salix hastata L.												High	High
Salix helvetica Vill.	High												
Salix herbacea L.					High	High							
Salix lanata L.	High												
Salix lapponum L.	High						High	High					
Salix myrsinifolia Salisb.	High											High	High
Salix myrsinites L.	High				High	High	High	High					
Salix myrtilloides L.													
Salix pedicellata Desf.	High											High	High
Salix pentandra L.	High											High	High
Salix phylicifolia L.	High						High	High					
Salix purpurea L.												High	High
Salix repens			High										
Salix repens L.	High			High			High	High				High	High
Salix reticulata L.					High	High							
Salix retusa L.													
Salix rosmarinifolia L.				High								High	High
Salix serpillifolia Scop.					High	High							
Salix silesiaca Willd.	High				High	High							
Salix starkeana Willd.													
Salix triandra			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Salix triandra L.			High										High	High	High	High
Salix viminalis														High		
Salix viminalis L.													High	High	High	
Salix waldsteiniana Willd.																
Salsola kali L.																
Salsola kali subsp. kali													High		High	
Salsola soda L.																
Salsola vermiculata L.																
Salvia verbenaca													High			
Salvia verticillata													High		High	
Salvinia natans													High			
Salvinia natans (L.) All.																
Sambucus nigra													High			
Samolus valerandi													High			
Sanguisorba minor													High			
Sanguisorba minor Scop.	High	High	High	High	High	High	High	High	High	High	High	High				High
Sanguisorba officinalis L.			High													High
Saponaria bellidifolia Sm.			High													High
Saponaria calabrica Guss.	High	High		High	High	High	High	High	High	High	High	High				
Saponaria lutea L.			High													High
Saponaria ocymoides L.													High	High	High	
Saponaria officinalis L.	High	High		High	High	High	High	High	High	High	High	High	High	High	High	
Saponaria pumilio (L.) Fenzl ex A. Braun																
Saponaria sicula Rafin.																
Satureja acinos														High	High	
Satureja calamintha subsp. sylvatica														High	High	
Satureja vulgaris														High	High	
Saxifraga granulata														High	High	
Saxifraga hirculus													High			
Saxifraga hirculus L.																
Saxifraga tridactylites													High			
Scabiosa columbaria													High		High	
Scabiosa columbaria L.			High													High
Scheuchzeria palustris													High		High	
Schoenus nigricans													High	High	High	
Scilla non-scripta													High			
Scirpus americanus													High		High	
Scirpus cariciformis													High		High	
Scirpus cespitosus subsp. germanicus													High		High	
Scirpus fluitans													High		High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Salix triandra L.													
Salix viminalis													
Salix viminalis L.												High	High
Salix waldsteiniana Willd.												High	High
Salsola kali L.									High	High	High		
Salsola kali subsp. kali			High										
Salsola soda L.									High	High	High		
Salsola vermiculata L.									High	High	High		
Salvia verbenaca			High										
Salvia verticillata			High										
Salvinia natans			High										
Salvinia natans (L.) All.												High	High
Sambucus nigra			High										
Samolus valerandi													
Sanguisorba minor													
Sanguisorba minor Scop.	High			High									
Sanguisorba officinalis L.													
Saponaria bellidifolia Sm.					High	High							
Saponaria calabrica Guss.					High	High							
Saponaria lutea L.													
Saponaria ocymoides L.					High	High							
Saponaria officinalis L.													
Saponaria pumilio (L.) Fenzl ex A. Braun					High	High							
Saponaria sicula Rafin.					High	High							
Satureja acinos													
Satureja calamintha subsp. sylvatica													
Satureja vulgaris													
Saxifraga granulata													
Saxifraga hirculus			High										
Saxifraga hirculus L.							High	High					
Saxifraga tridactylites			High										
Scabiosa columbaria			High										
Scabiosa columbaria L.	High												
Scheuchzeria palustris			High										
Schoenus nigricans			High										
Scilla non-scripta													
Scirpus americanus			High										
Scirpus cariciformis			High										
Scirpus cespitosus subsp. germanicus			High										
Scirpus fluitans			High										

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Scirpus lacustris subsp. lacustris													High		High	
Scirpus lacustris subsp. tabernaemontani													High	High	High	
Scirpus maritimus													High	High	High	
Scirpus rufus													High			
Scirpus setaceus													High		High	
Scleranthus annuus L.	High	High		High	High	High	High	High	High	High	High	High				
Scleranthus perennis L.			High													High
Scleranthus polycarpos													High			
Scleranthus uncinatus Schur													High	High	High	
Scrophularia auriculata													High			
Scrophularia umbrosa subsp. umbrosa													High			
Scutellaria minor													High			
Sedum acre													High			
Sedum acre L.													High	High	High	
Sedum album L.			High													High
Sedum forsterianum													High			
Sedum reflexum													High			
Sedum telephium L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Selaginella denticulata (L.) Spring																
Selaginella helvetica (L.) Spring			High													High
Selaginella selaginoides (L.) Beauv. ex Schrank & C.F.P. Mart.			High													High
Selinum carvifolia														High		
Selinum carvifolia (L.) L.			High													High
Senecio fluviatilis													High		High	
Senecio vulgaris														High		
Silaum silaus (L.) Schinz & Thell.			High													High
Silene acaulis (L.) Jacq.			High													High
Silene alpestris Jacq.																
Silene apetala Willd.																
Silene armeria L.			High										High	High	High	High
Silene behen L.																
Silene bellidifolia Juss. ex Jacq.	High	High		High	High	High	High	High	High	High	High	High				

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Scirpus lacustris subsp. lacustris			High										
Scirpus lacustris subsp. tabernaemontani			High										
Scirpus maritimus			High										
Scirpus rufus													
Scirpus setaceus			High										
Scleranthus annuus L.													
Scleranthus perennis L.	High			High	High	High							
Scleranthus polycarpos													
Scleranthus uncinatus Schur					High	High							
Scrophularia auriculata			High										
Scrophularia umbrosa subsp. umbrosa													
Scutellaria minor													
Sedum acre			High										
Sedum acre L.				High					High	High	High		
Sedum album L.				High	High	High							
Sedum forsterianum			High										
Sedum reflexum			High										
Sedum telephium L.				High	High	High			High	High	High		
Selaginella denticulata (L.) Spring					High	High							
Selaginella helvetica (L.) Spring							High	High					
Selaginella selaginoides (L.) Beauv. ex Schrank & C.F.P. Mart.							High	High					
Selinum carvifolia			High										
Selinum carvifolia (L.) L.													
Senecio fluviatilis			High										
Senecio vulgaris													
Silaum silaus (L.) Schinz & Thell.			High										
Silene acaulis (L.) Jacq.	High				High	High							
Silene alpestris Jacq.					High	High							
Silene apetala Willd.		High											
Silene armeria L.				High									
Silene behen L.		High											
Silene bellidifolia Juss. ex Jacq.													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Silene borysthenica (Gruner) Walters			High													High
Silene chlorantha (Willd.) Ehrh.			High										High	High	High	High
Silene ciliata Pourret			High													High
Silene coeli-rosa (L.) Godron																
Silene colorata Poiret	High	High		High	High	High	High	High	High	High	High	High				
Silene conica L.																
Silene conoidea L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Silene cretica L.	High	High		High	High	High	High	High	High	High	High	High				
Silene dichotoma Ehrh.	High	High		High	High	High	High	High	High	High	High	High				
Silene dioica													High			
Silene dioica (L.) Clairv.			High										High	High	High	High
Silene flavescens Waldst. & Kit.													High	High	High	
Silene fruticosa L.																
Silene fuscata Link ex Brot.	High	High		High	High	High	High	High	High	High	High	High				
Silene gallica L.	High	High		High	High	High	High	High	High	High	High	High				
Silene italica (L.) Pers.			High													High
Silene latifolia (subsp. alba)													High			
Silene latifolia Poiret	High	High		High	High	High	High	High	High	High	High	High				
Silene linicola C.C. Gmelin	High	High		High	High	High	High	High	High	High	High	High				
Silene multicaulis Guss.			High													High
Silene muscipula L.	High	High		High	High	High	High	High	High	High	High	High				
Silene noctiflora L.	High	High		High	High	High	High	High	High	High	High	High				
Silene nocturna L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Silene nutans													High		High	
Silene nutans L.			High										High	High	High	High
Silene otites													High		High	
Silene otites (L.) Wibel			High										High	High	High	High
Silene paradoxa L.													High	High	High	
Silene parnassica Boiss. & Spruner																
Silene pusilla Waldst. & Kit.																
Silene roemeri Friv.			High													High
Silene rupestris L.																
Silene saxifraga L.																
Silene sedoides Poiret	High	High		High	High	High	High	High	High	High	High	High				
Silene sericea All.																
Silene succulenta ForskÅl																
Silene tatarica (L.) Pers.																
Silene uniflora Roth																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Silene borysthenica (Gruner) Walters				High									
Silene chlorantha (Willd.) Ehrh.													
Silene ciliata Pourret					High	High							
Silene coeli-rosa (L.) Godron		High											
Silene colorata Poiret				High	High	High							
Silene conica L.				High									
Silene conoidea L.													
Silene cretica L.													
Silene dichotoma Ehrh.													
Silene dioica			High										
Silene dioica (L.) Clairv.	High											High	High
Silene flavescens Waldst. & Kit.					High	High							
Silene fruticosa L.					High	High							
Silene fuscata Link ex Brot.													
Silene gallica L.													
Silene italica (L.) Pers.													
Silene latifolia (subsp. alba)			High										
Silene latifolia Poiret													
Silene linicola C.C. Gmelin													
Silene multicaulis Guss.					High	High							
Silene muscipula L.													
Silene noctiflora L.													
Silene nocturna L.		High			High	High							
Silene nutans			High										
Silene nutans L.				High									
Silene otites			High										
Silene otites (L.) Wibel				High									
Silene paradoxa L.					High	High							
Silene parnassica Boiss. & Spruner					High	High							
Silene pusilla Waldst. & Kit.					High	High	High	High				High	High
Silene roemeri Friv.													
Silene rupestris L.				High	High	High							
Silene saxifraga L.					High	High							
Silene sedoides Poiret					High	High			High	High	High		
Silene sericea All.				High									
Silene succulenta ForskÅl				High									
Silene tatarica (L.) Pers.				High									
Silene uniflora Roth					High	High			High	High	High		

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Silene vallesia L.																
Silene veselskyi (Janka) H. Neumayer																
Silene viridiflora L.													High	High	High	
Silene vulgaris (Moench) Garcke	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Sisymbrium irio													High		High	
Sisymbrium supinum L.			High													High
Soleirolia soleirolii (Req.) Dandy			High													High
Solidago virgaurea													High			
Solidago virgaurea L.			High										High	High	High	High
Sonchus arvensis var. arvensis													High			
Sonchus asper													High			
Sonchus oleraceus													High			
Sonchus palustris													High			
Sorbus aucuparia													High			
Sorbus aucuparia L.			High										High	High	High	High
Sparganium erectum													High			
Sparganium natans													High	High	High	
Spartina townsendii													High	High		
Spergula arvensis L.	High	High		High	High	High	High	High	High	High	High	High				
Spergula morisonii Boreau													High	High	High	
Spergula pentandra L.																
Spergularia diandra (Guss.) Boiss.	High	High		High	High	High	High	High	High	High	High	High				
Spergularia echinosperma (Celak.) Ascherson & Graebner																
Spergularia heldreichii Fouc. ex E. Simon secundus & P. Monnier																
Spergularia macrorhiza (Req.) Heynh.																
Spergularia marina (L.) Griseb.																
Spergularia media (L.) C. Presl																
Spergularia nicaeensis Sarato ex Burnat																
Spergularia rubra (L.) J. & C. Presl	High	High	High	High	High	High	High	High	High	High	High	High				High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Silene vallesia L.					High	High							
Silene veselskyi (Janka) H. Neumayer					High	High							
Silene viridiflora L.													
Silene vulgaris (Moench) Garcke													
Sisymbrium irio			High										
Sisymbrium supinum L.					High	High							
Soleirolia soleirolii (Req.) Dandy													
Solidago virgaurea			High										
Solidago virgaurea L.	High			High									
Sonchus arvensis var. arvensis													
Sonchus asper			High										
Sonchus oleraceus			High										
Sonchus palustris			High										
Sorbus aucuparia			High										
Sorbus aucuparia L.	High												
Sparganium erectum			High										
Sparganium natans			High										
Spartina townsendii													
Spergula arvensis L.													
Spergula morisonii Boreau				High									
Spergula pentandra L.				High									
Spergularia diandra (Guss.) Boiss.				High					High	High	High		
Spergularia echinosperma (Celak.) Ascherson & Graebner												High	High
Spergularia heldreichii Fouc. ex E. Simon secundus & P. Monnier									High	High	High		
Spergularia macrorhiza (Req.) Heynh.									High	High	High		
Spergularia marina (L.) Griseb.									High	High	High		
Spergularia media (L.) C. Presl									High	High	High		
Spergularia nicaeensis Sarato ex Burnat									High	High	High		
Spergularia rubra (L.) J. & C. Presl				High								High	High

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Spergularia rupicola Lebel ex Le Jolis																
Spergularia segetalis (L.) G. Don fil.																
Stachys sylvatica																
Stellaria aquatica													High	High	High	
Stellaria crassifolia Ehrh.																
Stellaria graminea L.			High										High	High	High	High
Stellaria holostea L.													High	High	High	
Stellaria longifolia Muhl. ex Willd.													High	High	High	
Stellaria media (L.) Vill.	High	High		High	High	High	High	High	High	High	High	High				
Stellaria neglecta Weihe	High	High	High	High	High	High	High	High	High	High	High	High				High
Stellaria nemorum L.			High										High	High	High	High
Stellaria palustris Retz.			High													High
Stellaria uliginosa													High			
Stellaria uliginosa Murray			High													High
Suaeda maritima													High		High	
Suaeda maritima (L.) Dumort.																
Suaeda splendens (Pourret) Gren. & Godron																
Suaeda vera J.F. Gmelin																
Succisa pratensis Moench			High													High
Tanacetum vulgare													High			
Taxus baccata L.													High	High	High	
Telephium imperati L.																
Tetragonolobus maritimus													High	High		
Teucrium montanum													High			
Teucrium scorodonia L.			High										High	High	High	High
Thalictrum alpinum L.			High													High
Thalictrum aquilegiifolium L.			High										High	High	High	High
Thalictrum flavum																
Thalictrum flavum L.			High													High
Thalictrum foetidum L.			High													High
Thalictrum lucidum L.			High										High	High	High	High
Thalictrum minus L.			High										High	High	High	High
Thalictrum simplex L.			High													High
Thelypteris palustris Schott			High										High	High	High	High
Thesium alpinum L.			High													High
Thesium arvense Horv tovszky			High													High

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Spergularia rupicola Lebel ex Le Jolis									High	High	High		
Spergularia segetalis (L.) G. Don fil.												High	High
Stachys sylvatica			High										
Stellaria aquatica													
Stellaria crassifolia Ehrh.							High	High					
Stellaria graminea L.													
Stellaria holostea L.	High												
Stellaria longifolia Muhl. ex Willd.													
Stellaria media (L.) Vill.												High	High
Stellaria neglecta Weihe									High	High	High		
Stellaria nemorum L.	High						High	High				High	High
Stellaria palustris Retz.							High	High					
Stellaria uliginosa			High										
Stellaria uliginosa Murray							High	High					
Suaeda maritima			High										
Suaeda maritima (L.) Dumort.									High	High	High		
Suaeda splendens (Pourret) Gren. & Godron									High	High	High		
Suaeda vera J.F. Gmelin									High	High	High		
Succisa pratensis Moench	High						High	High					
Tanacetum vulgare			High										
Taxus baccata L.													
Telephium imperati L.					High	High							
Tetragonolobus maritimus			High										
Teucrium montanum			High										
Teucrium scorodonia L.	High												
Thalictrum alpinum L.							High	High					
Thalictrum aquilegiifolium L.													
Thalictrum flavum			High										
Thalictrum flavum L.													
Thalictrum foetidum L.					High	High							
Thalictrum lucidum L.	High												
Thalictrum minus L.	High												
Thalictrum simplex L.													
Thelypteris palustris Schott							High	High					
Thesium alpinum L.					High	High							
Thesium arvense Horv tovszky													

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Thesium bavarum Schrank			High										High	High	High	High
Thesium divaricatum Jan ex Mert. & Koch													High	High	High	
Thesium dollineri Murb.	High	High	High	High	High	High	High	High	High	High	High	High				High
Thesium ebracteatum Hayne																
Thesium humifusum																
Thesium humifusum DC.			High													High
Thesium humile Vahl	High	High		High	High	High	High	High	High	High	High	High				
Thesium linophyllon L.			High													High
Thesium parnassi A. DC.			High													High
Thesium pyrenaicum													High	High	High	
Thesium pyrenaicum Pourret			High													High
Thesium rostratum Mert. & Koch													High	High	High	
Thlaspi arvense													High			
Thlaspi caerulescens													High			
Thlaspi perfoliatum													High	High	High	
Thymus pulegioides																
Thymus serpyllum													High			
Tilia cordata														High		
Tragopogon pratensis subsp. orientalis													High			
Tragopogon pratensis subsp. pratensis													High			
Trichomanes speciosum Willd.																
Trientalis europaea																
Trifolium arvense													High			
Trifolium campestre													High			
Trifolium dubium																
Trifolium pratense													High	High		
Trifolium repens													High			
Trifolium repens L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Trifolium scabrum													High			
Trollius europaeus L.			High													High
Tuberaria guttata														High		
Typha latifolia														High		
Ulex europaeus													High			
Ulex europaeus L.													High	High	High	
Ulmus glabra Hudson			High										High	High	High	High
Ulmus laevis Pallas													High	High	High	

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Thesium bavarum Schrank	High												
Thesium divaricatum Jan ex Mert. & Koch		High											
Thesium dollineri Murb.				High									
Thesium ebracteatum Hayne				High									
Thesium humifusum			High										
Thesium humifusum DC.													
Thesium humile Vahl		High		High					High	High	High		
Thesium linophyllon L.													
Thesium parnassi A. DC.													
Thesium pyrenaicum			High										
Thesium pyrenaicum Pourret													
Thesium rostratum Mert. & Koch													
Thlaspi arvense			High										
Thlaspi caerulescens			High										
Thlaspi perfoliatum			High										
Thymus pulegioides			High										
Thymus serpyllum													
Tilia cordata													
Tragopogon pratensis subsp. orientalis			High										
Tragopogon pratensis subsp. pratensis			High										
Trichomanes speciosum Willd.					High	High							
Trientalis europaea			High										
Trifolium arvense			High										
Trifolium campestre			High										
Trifolium dubium			High										
Trifolium pratense													
Trifolium repens													
Trifolium repens L.				High									
Trifolium scabrum			High										
Trollius europaeus L.													
Tuberaria guttata			High										
Typha latifolia													
Ulex europaeus													
Ulex europaeus L.	High			High									
Ulmus glabra Hudson	High												
Ulmus laevis Pallas	High												

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Ulmus minor Miller													High	High	High	
Urtica atrovirens Req. ex Loisel.	High	High		High	High	High	High	High	High	High	High	High				
Urtica dioica L.	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High
Urtica kioviensis Rogow.	High	High	High	High	High	High	High	High	High	High	High	High				High
Urtica membranacea Poiret	High	High		High	High	High	High	High	High	High	High	High				
Urtica pilulifera L.	High	High		High	High	High	High	High	High	High	High	High				
Urtica urens L.	High	High		High	High	High	High	High	High	High	High	High				
Utricularia ochroleuca														High		
Utricularia vulgaris														High		
Vaccaria hispanica (Miller) Rauschert			High													High
Vaccinium myrtillus L.			High										High	High	High	High
Vaccinium oxycoccos L.													High	High	High	
Vaccinium uliginosum													High			
Vaccinium uliginosum L.			High										High	High	High	High
Vaccinium vitis-idaea L.													High	High	High	
Valeriana montana L.			High													High
Valeriana officinalis													High			
Velezia rigida L.			High													High
Veronica austriaca subsp. teucrium													High		High	
Veronica catenata													High			
Veronica chamaedrys																
Veronica chamaedrys L.			High										High	High	High	High
Veronica opaca													High			
Veronica praecox																
Veronica triphyllos														High		
Veronica verna													High			
Viola calaminaria													High			
Viola calaminaria (DC.) Lej.			High													High
Viola canina L.			High										High	High	High	High
Viola hirta													High			
Viola odorata													High	High	High	
Viola palustris L.			High										High	High	High	High
Viola persicifolia Schreber			High													High
Viola reichenbachiana														High		
Viola tricolor L.	High	High	High	High	High	High	High	High	High	High	High	High				High
Viscum album L.													High	High	High	
Woodsia alpina (Bolton) S.F. Gray																
Woodsia ilvensis (L.) R. Br.																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Ulmus minor Miller	High			High									
Urtica atrovirens Req. ex Loisel.					High	High							
Urtica dioica L.	High											High	High
Urtica kioviensis Rogow.													
Urtica membranacea Poiret													
Urtica pilulifera L.													
Urtica urens L.													
Utricularia ochroleuca													
Utricularia vulgaris													
Vaccaria hispanica (Miller) Rauschert													
Vaccinium myrtillus L.	High												
Vaccinium oxycoccos L.	High						High	High					
Vaccinium uliginosum													
Vaccinium uliginosum L.	High						High	High					
Vaccinium vitis-idaea L.	High												
Valeriana montana L.					High	High							
Valeriana officinalis													
Velezia rigida L.													
Veronica austriaca subsp. teucrium			High										
Veronica catenata													
Veronica chamaedrys			High										
Veronica chamaedrys L.	High												
Veronica opaca			High										
Veronica praecox			High										
Veronica triphyllos													
Veronica verna			High										
Viola calaminaria													
Viola calaminaria (DC.) Lej.													
Viola canina L.				High									
Viola hirta													
Viola odorata			High										
Viola palustris L.							High	High					
Viola persicifolia Schreber													
Viola reichenbachiana													
Viola tricolor L.				High					High	High	High		
Viscum album L.	High												
Woodsia alpina (Bolton) S.F. Gray					High	High							
Woodsia ilvensis (L.) R. Br.					High	High							

Vascular plants

	21	22	23	111	112	131	132	141	241	242	243	244	311	312	313	321
Woodwardia radicans (L.) Sm.																
Zostera noltii																

Vascular plants

	322	323	324	331	332	333	411	412	421	422	423	511	512
Woodwardia radicans (L.) Sm.		High											
Zostera noltii			High										

Annex 3 List of references considered in BioScore for distribution ranges and ecological requirements

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Annex 4 Technical description of the BioScore tool and database

A1 Databases underlying the BioScore tool

A1.1 Introduction

The core of the BioScore tool is the database that relates species to their sensitivity to environmental changes. The database combines separate databases set up and developed by different organizations for each species group. Table A1 lists the different databases and the responsible organizations.

Table A1: Separate databases and responsible organizations.

Species group	Organization
Butterflies and dragonflies	INBO/BCEurope
Birds	Wetlands International
Vascular plants	Alterra
Freshwater fish	NINA
Amphibians, mammals and reptiles	University of Rome (UniRoma1)
Benthic macroinvertebrates	EKBY

The combined database contains information on habitat suitability and sensitivity of a selection of species from different species groups (Table A1) for a wide variety of environmental variables (see Section 2.1 of the report). A series of queries described in this annex extract the relevant sensitivity and suitability data to derive sensitivity scores, which can be used in several applications (Figure A1).

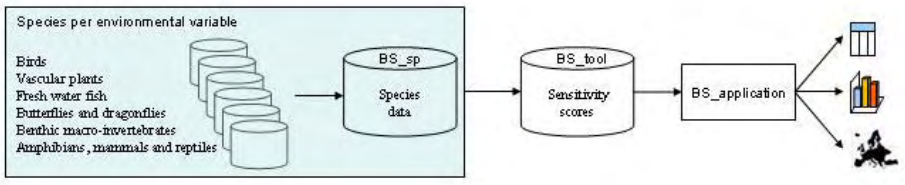

Figure A1: Relation between separate species databases, BioScore database and the applications.

A1.2 Species database

Figure A2 shows the structure of the database (BS_sp). This structure is similar to the structure of separate databases of each species group, except that non-relevant tables for the specific species group(s) are not included. Table A2 lists the tables in the BS_sp database. The column 'Form' in the table indicates the availability of a fill-in form for appending and editing data. Tables that do not have a fill-in form are imported from other sources and are not supposed to be altered or edited. Table A2 also includes a short description of the tables and the relevance of these tables for each species group.

BioScore selects species from the separate databases by editing the field BS_select in the SPECIES-table. Only those species selected in BS_select are imported into the BS_sp database.

For butterflies and dragonflies a selection of species is possible at the BGR level. This selection is made by using the field BGR_select in the table sp_BGR.

The module apdsp_data appends the species data from the different databases to the species tables in BS_sp.mdb.

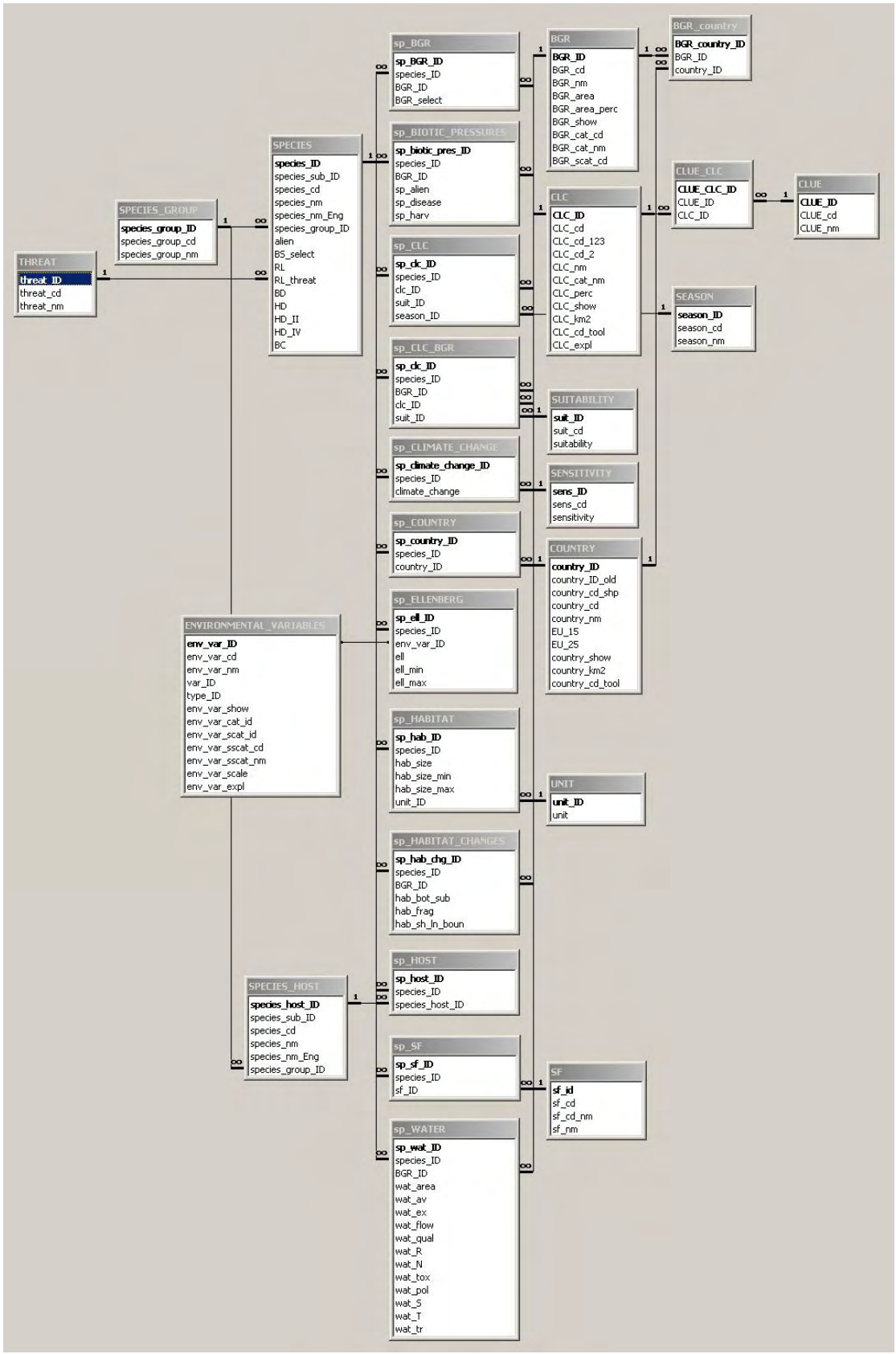

Figure A2: Structure of BS_sp.mdb.

Table A2: Tables in the BS_sp database.

Table	Form	Description	amr*	birds*	bmi*	but*	fish*	vpl*
Biogeographical region		Biogeographical regions						
BGR_country		Biogeographical regions in countries						
CLC		Corine Land Cover classes (2000)						
CLUE		Land cover classes in Dyna-CLUE 2006						
CLUE_CLC		Relation between Dyna-CLUE and Corine classes						
COUNTRY		European countries						
ELLENBERG_SENSITIVITY		Relation between Ellenberg values and sensitivity						x
ENVIRONMENTAL_VARIABLE		Environmental variables						
SEASON		Season						
SF		Survival factors						
SENSITIVITY		Sensitivity						
SPECIES	X	Species	x	x	x	x	x	x
SPECIES_GROUP		Species groups						
SPECIES_HOST	X	Species host/nectar plants				x		
THREAT		Threat, risk and concern						
sp_BGR	X	Occurrence in biogeographical regions	x	x		x		x
sp_BIOTIC_PRESSURES	X	Species and biotic pressures, per biogeographical region					x	
sp_CLC	X	Species in CLC classes		x		x	x	
sp_CLC_BGR	X	Species in CLC classes, per biogeographical region	x					
sp_CLIMATE_CHANGE		Species and climate change (sensitivity)	x					
sp_COUNTRY	X	Occurrence of species in EU country	x	x		x	x	x
sp_ELLENBERG		Species and indication Ellenberg values						x
sp_HABITAT	X	Species and habitat dimensions				x		
sp_HABITAT_CHANGES	X	Species and habitat changes, per biogeographical region					x	
sp_HOST		Species and their host/nectar plant				x		
sp_SF		Species and survival factors		x				
sp_WATER	X	Species and water, per biogeographical region (sensitivity)	x		x		x	
SUITABILITY		Suitability						
UNIT		Unit						
VARIABLE		Environmental variable groups						

- * amr Amphibians, mammals and reptiles
  * birds Birds (waterbirds and breeding birds)
  * bmi Benthic macroinvertebrates
  * but Butterflies and dragonflies
  * fish Freshwater fish
  * vpl Vascular plants
- The coloured rows are tables that partners can fill with data.

A1.3 Duplicates

After the data have been imported into the species database, they appear in the tables starting with 'sp_' followed by an indication of the environmental variables concerned (Table A2), the data are checked for duplicate records. These duplicates are removed from the tables by delete queries. As each table has its own characteristics, the queries that list duplicate records are all slightly different. The names of the queries start with ' dup_' followed by the name of the environmental variable. For each species group the duplicates are listed in the tables Duplicates_sp_TABLES. Finally, the module dup_records lists the tables with duplicate records in the table DUPLICATES.

Sensitivity scores
In order to get sensitivity scores per BGR and country, a module apdSENS_SCORE is used. This module makes the proper format to serve as input for the calculations. The module apdSENS_SCORE appends sensitivity scores to the table SENS_SCORE, per species, per BGR and per country. The sensitivity scores are given by the queries sens_<environmental variable> found in group Sensitivity_scores. The scores are given per BGR and per country. If there is no data in the table sp_BGR for a specific species group, all species of this group will be copied to all regions in this table before the scores are appended to SENS_SCORE.

A1.4 Tool database

The BioScore tool database version 1.0 calculates the number and percentage of species responding to change in environmental variables. These numbers are presented per species group, BGR, country or all regions, and environmental variable, and summarized over the variables.

First, the response to the different environmental variables is calculated per species, BGR, country or all regions, and environmental variable. This response is based on sensitivity scores. Then the increasing, decreasing or stable species will be counted per species group. In conclusion, the number of species is related to the number of the species per species group.

Sensitivity scores
The sensitivity scores of the different environmental variables other than land-use change are specified per species, BGR and country in table SENS_SCORE. The countries in this table are based on the overlay of the maps of the EU25 countries and BGRs. The occurrence of the species in the regions is included in this table. The occurrence of the species in the countries is not included and will be added at a later stage.

The sensitivity of species to land-use change is based on the suitability and the magnitude of the land-use change. The suitability score is 0 if a Corine Land Cover class (CLC) is not suitable or has a low suitability for the species. If the CLC class has medium or high suitability for a species, the score is 1. These suitability scores make it possible to decide whether the difference between the calculated sensitivities leads to an increase or a decrease. A difference of more than 1% is accounted for and implies an increase or a decrease. By differences of less than 1% the species will be considered unchanged .

The summarized land-use change equals 0 ha. Only the CLC classes with a change of ha are taken into account in the calculation below. The input is given in percentage land-use change. Only those CLC classes within the BGR or country can be changed by the user.

- Weight factor Corine Land Cover (CLC), per region:

$$wfCLC_{BGR} = fCLC_{BGR} * \frac{user\_area_{CLC}}{area_{CLC}} \quad (-)$$

$wfCLC_{BGR}$	= weight factor CLC, per BGR (-)
$fCLC_{BGR}$	= fraction CLC, per BGR (-)
$user\_area_{CLC}$	= area given by the user, per CLC (%)
$area_{CLC}$	= area, per CLC (%).

- Weight factor Corine Land Cover (CLC), per country:

$$wfCLC_{BGR,CRY} = fCLC_{BGR,CRY} * \frac{user\_area_{CLC}}{area_{CLC}} \quad (-)$$

$wfCLC_{BGR,CRY}$	= weight factor CLC, per BGR and per country (-)
$fCLC_{BGR,CRY}$	= fraction CLC, per BGR and per country (-)
$user\_area_{CLC}$	= area given by the user, per CLC (%)
$area_{CLC}$	= area, per CLC (%).

- Direction of land-use change:

  If $\frac{user\_area_{CLC}}{area_{CLC}} > 1$ Then

  change = increase

  Else *change = decrease*

- Sensitivity to land-use change (LUC), per region:

$$sensLUC_{sp,change,BGR} = \sum_{CLC}(suit\_score_{sp,CLC,BGR} * wfCLC_{BGR})$$

  $sensLUC_{sp,change,BGR}$ = sensitivity LUC, per species and per BGR(-)
  $suit\_score_{sp,CLC,BGR}$ = suitability score, per species and per CLC and per BGR (-)
  $wfCLC_{BGR}$ = weight factor CLC, per BGR (-).

- Sensitivity to land-use change (LUC), per country:

$$sensLUC_{sp,change,CRY} = \sum_{CLC,BGR}(suit\_score_{sp,CLC,BGR} * wfCLC_{BGR,CRY})$$

  $sensLUC_{sp,change,CRY}$ = sensitivity LUC, per species and per country(-)
  $suit\_score_{sp,CLC,BGR}$ = suitability score, per species and per CLC and per BGR (-)
  $wfCLC_{BGR,CRY}$ = weight factor CLC, per BGR and per country (-).

The suitability in BioScore is specified in two ways: per CLC class and per CLC class and BGR. The data per CLC class are copied to all BGRs in which the species occur (= link with table sp_BGR!).[1]

Response to environmental variables (responsesp,ev,x)
The relative importance of the environmental variables is given by the user (in table USER_env_var) and converted to a weight factor used for summarizing the responses of the species to the different variables.

- Weight factor environmental variables:

$$wf_{ev} = \frac{w_{ev}}{\sum_{ev} w_{ev}} \text{ (-)}$$

  wf_{ev} = weight factor (per) environmental variable (-)
  w_{ev} = relative importance of the environmental variable (-).

- Response to land-use change (LUC), per region:

  If $Abs(sensLUC_{sp,dec,BGR} - sensLUC_{sp,inc,BGR}) > 0{,}01$ Then

  If $sensLUC_{sp,dec,BGR} > sensLUC_{sp,inc,BGR}$ Then

  $response_{spLUC,BGR}$ = *-1* (decrease)
  Else $response_{spLUC,BGR}$ = *1* (increase)
  Else $response_{spLUC,BGR}$ = *0* (stable)

  $sensLUC_{sp,change,BGR}$ = sensitivity LUC, per species and per BGR(-)
  $response_{sp,LUC,BGR}$ = response LUC, per species (-).

$$resp\_ev_{sp,LUC,BGR} = response_{sp,LUC,BGR} * wf_{LUC}$$

  $resp\_ev_{sp,LUC,BGR}$ = weighed response LUC, per species and per BGR (-)
  $response_{sp,LUC,BGR}$ = response LUC, per species and per BGR(-)
  wf_{LUC} = weight factor LUC (-).

- Response to variables other than land-use change, per region:

[1] The occurrence of benthic macroinvertebrates and fish in biogeographical regions is not available (applicable) just like the suitability for CLC classes. Therefore, no response to land-use change for these species groups is calculated. The sensitivity scores for the benthic macroinvertebrates and fish for the other environmental variables are copied to all regions in SENS_SCORE.

$$resp\_ev_{sp,ev,BGR} = response_{sp,ev,BGR} * wf_{ev}$$

$resp\_ev_{sp,ev,BGR}$ = weighed response, per species and per BGR (-)
$response_{sp,ev,BGR}$ = response, per species and per BGR (-)
wf_{ev} = weight factor environmental variable (-).

The sensitivity scores of the different environmental variables other than land-use change are specified per species, per BGR and per country in table SENS_SCORE. Depending on the sensitivity score of the species and the magnitude given by the user, the response will be increasing, decreasing or remain stable. This response ($response_{sp,ev,BGR}$) is based on the link between the tables SENS_SCORE and SENS_MAG, for those variables selected by the user and those other than the variable land-use change.

- Response to land-use change (LUC), per country:

If $Abs(sensLUC_{sp,dec,CrY} - sensLUC_{sp,inc,CRY}) > 0{,}01$ Then

If $sensLUC_{sp,dec,CRY} > sensLUC_{sp,inc,CRY}$ Then

$response_{spLUC,CRY}$ = *-1* (decrease)
Else $response_{spLUC,CRY}$ = *1* (increase)
Else $response_{spLUC,CRY}$ = *0* (stable)

$sensLUC_{sp,change,CRY}$ = sensitivity LUC, per species and per country(-)
$response_{sp,LUC,CRY}$ = response, per species (-).

$$resp\_ev_{sp,LUC,CRY} = response_{sp,LUC,CRY} * wf_{LUC}$$

$resp\_ev_{sp,LUC,CRY}$ = weighed response LUC, per species and per country (-)
$response_{sp,LUC,CRY}$ = response LUC, per species and per country (-)
wf_{LUC} = weight factor LUC (-).

- Response to variables other than land-use change, per country:

$$resp\_ev_{sp,ev,CRY} = \sum_{BGR}(response_{sp,ev,CRY,BGR} * wf_{ev} * \frac{area_{CRY,BGR}}{\sum_{BGR} area_{CRY,BGR}})$$

$resp\_ev_{sp,ev,CRY}$ = weighed response, per species and per country (-)
$response_{sp,ev,CRY,BGR}$ = response, per species, per county and per BGR (-)
wf_{ev} = weight factor environmental variable (-)
$area_{CRY,BGR}$ = area BGR, per country (number of grids).

If $resp\_ev_{sp,ev,CRY}$ > 0,01 Then $response_{sp,ev,CRY}$ = 1 (increasing)
If $resp\_ev_{sp,ev,CRY}$ < -0,01 Then $response_{sp,ev,CRY}$ = -1 (decreasing)

- Response to (all) variables, summarized over all regions:

$$resp_{sp,ev} = \sum_{BGR}(resp\_ev_{sp,ev,BGR} * \frac{area_{BGR}}{\sum_{BGR} area_{BGR}})$$

If $resp_{sp,ev}$ > 0,01Then $response_{sp,ev}$ = *1* (increase)
If $resp_{sp,ev}$ < -0,01Then $response_{sp,ev}$ = *-1* (decrease)

A1.5 Total response

The total response is the sum of the weighed responses of the environmental variables (including land-use change).

- Summarized response, per region:

$$resp_{sp,BGR} = \sum_{ev}(resp\_ev_{sp,ev,BGR})$$

- Summarized response, per country:

$$resp_{sp,CRY} = \sum_{ev}(resp\_ev_{sp,ev,CRY})$$

- Summarized response, all regions:

$$resp_{sp} = \sum_{ev,BGR}(resp\_ev_{sp,ev,BGR} * \frac{area_{BGR}}{\sum_{BGR} area_{BGR}})$$

If $resp_{sp,x}$ > 0,01Then $response_{sp,x}$ = *1* (increase)
If $resp_{sp,x}$ < -0,01Then $response_{sp,x}$ = *-1* (decrease)

$response_{sp,x}$	= response, per species (-)
$resp_{sp,x}$	= summarized response, per species (-)
$resp\_ev_{sp,ev,x}$	= weighed response, per variable[2] per species (-)
$area_{BGR}$	= area BGR (number of grids)
x	= BGR, country or all regions.

A2 Number of species

The increasing and decreasing species are counted per species group. The number of stable species is the difference between the number of species per species group in BioScore (per BGR, per country or all regions) and the sum of increasing and decreasing species. So, stable species include species that are not sensitive to any of the changing variables, species that are not sensitive enough to lead to changes (difference in sensitivity scores is less than 1%) and species for which the sum of the responses is stable.

[2] Including environmental variable 'land-use change'.

- Number of increasing or decreasing species, per environmental variable, per BGR, per country or all regions:

  $$no\_sp_{grp,response,ev,x} = count(sp)_{grp,repsonse,ev,x}$$

  Number of stable species, per environmental variable, per BGR, per country or all regions:

  $$no\_sp_{grp,stable,ev,x} = no\_sp_{grp,x} - \sum_{response} no\_sp_{grp,response,ev,x}$$

  $_{grp,response,ev,x}$ = species, per response and per variable (= $response_{sp,ev,x}$)(-)
  $no\_sp_{grp,x}$ = number of species, per species group
  x = BGR, country or all regions.

- Number of increasing or decreasing species, per BGR, per country or all regions:

  $$no\_sp_{grp,response,x} = count(sp)_{grp,repsonse,x}$$

  Number of stable species, per BGR, per country or all regions:

  $$no\_sp_{grp,stable.x} = no\_sp_{grp,x} - \sum_{response} no\_sp_{grp,response,x}$$

  $sp_{grp,response,x}$ = species, per response (= $response_{sp,x}$)(-)
  $no\_sp_{grp,x}$ = number of species, per species group
  x = BGR, country or all regions.

A3 Percentage of species

The percentage of the increasing, decreasing and stable species is related to the number of the species per species group, per BGR, per country or all regions.

- The percentage of the increasing, decreasing and stable species, per species group, per environmental variable and per BGR, per country or all regions:

  $$p\_sp_{grp,response,ev,x} = \frac{no\_sp_{grp,repsonse,ev,x}}{no\_sp_{grp,x}} * 100$$

  $no\_sp_{grp,response,ev,x}$ = number of species, per response and per variable (-)
  $no\_sp_{grp,x}$ = number of species, per group(-)
  x = BGR, country or all regions.

- The percentage of the increasing, decreasing and stable species, per species group and per BGR, per country or all regions:

  $$p\_sp_{grp,response,x} = \frac{no\_sp_{grp,repsonse,x}}{no\_sp_{grp,x}} * 100$$

  $no\_sp_{grp,response,x}$ = number of species, per response (-)
  $no\_sp_{grp,x}$ = number of species, per group(-)
  x = BGR, country or all regions.

Results
The BioScore tool generates a table, figures and maps based on numbers and percentages of species.

Table
- Number of species, per species group, for a country, a region or all regions; total ($no\_sp_{grpresponse,x}$) and per environmental variable ($no\_sp_{grp,response,,x,ev}$).
- (Averaged) percentage species, for a country, a region or all regions total:

  $$p\_sp_{response,x} = Avg\left(p\_sp_{grp,response,x}\right)_{grp}$$ and

  per environmental variable:

  $$p\_sp_{response,ev,x} = Avg\left(p\_sp_{grp,response,ev,x}\right)_{grp}$$

  $p\_sp_{grp,response,x}$ = percentage total
  $p\_sp_{grp,response,ev,x}$ = percentage per environmental variable

x = BGR, country or all regions.

Figures

- (Averaged) percentage species, for a country, a region or all regions; total ($p\_sp_{response,x}$) and per environmental variable ($p\_sp_{response,ev,x}$).

Maps

- (Summarized) percentage species, per country or per region total:

$$p\_sp_x = \sum_{grp,response}(p\_sp_{grp,response,x} * response) \text{ and}$$

per environmental variable:

$$p\_sp_{x,ev} = \sum_{grp,response}(p\_sp_{grp,response,ev,x} * response)$$

$p\_sp_{grp,response,x}$ = percentage total
$p\_sp_{grp,response,ev,x}$ = percentage per environmental variable
x = BGR or country.

Annex 5 Additional results from case study on afforestation in Italy

Table A1: Land cover classes of the historical map for Italy, and open land and forest land cover classes considered in the study.

Classes of the historical land cover map (year 1960)	Open land classes considered (year 1960): Aggregation of Corine Land Cover (CLC) classes for deriving habitat suitability from BioScore database	CLC forest land classes considered (year 2000)
Agricultural land	Non-irrigated arable land (Irrigated arable land and rice fields were neglected because they cover only a minor area compared to non-irrigated arable land.)	
Heterogeneous agricultural land	Annual crops associated with permanent crops Complex cultivation patterns Land principally occupied by agriculture, with significant areas of natural vegetation	
Pasture/grassland	Pastures Natural grasslands Moors and heathland	
Forest		Sclerophyllous vegetation Transitional woodland-shrub Broad-leaved forest Coniferous forest Mixed forest
Wooded plantation	Vineyards Olive groves Fruit trees and berry plantations	
Barren areas		
Artificial areas		
Water		

Table A2: Corine Land Cover (CLC) nomenclature.

11	*Urban fabric*	
	111	Continuous urban fabric
	112	Discontinuous urban fabric
12	*Industrial, commercial and transport units*	
	121	Industrial or commercial units
	122	Road and rail networks and associated land
	123	Port areas
	124	Airports
13	*Mine, dump and construction sites*	
	131	Mineral extraction sites
	132	Dump sites
	133	Construction sites
14	*Artificial, non-agricultural vegetated areas*	
	141	Green urban areas
	142	Sport and leisure facilities
21	*Arable land*	
	211	Non-irrigated arable land
	212	Permanently irrigated land
	213	Rice fields
22	*Permanent crops*	
	221	Vineyards
	222	Fruit trees and berry plantations
	223	Olive groves
23	*Pastures*	

	231	Pastures
24	*Heterogeneous agricultural areas*	
	241	Annual crops associated with permanent crops
	242	Complex cultivation patterns
	243	Land principally occupied by agriculture, with significant areas of natural vegetation
	244	Agro-forestry areas
31	*Forests*	
	311	Broad-leaved forest
	312	Coniferous forest
	313	Mixed forest
32	*Scrub and/or herbaceous vegetation associations*	
	321	Natural grasslands
	322	Moors and heathland
	323	Sclerophyllous vegetation
	324	Transitional woodland-shrub
33	*Open spaces with little or no vegetation*	
	331	Beaches, dunes, sands
	332	Bare rocks
	333	Sparsely vegetated areas
	334	Burnt areas
	335	Glaciers and perpetual snow
41	*Inland wetlands*	
	411	Inland marshes
	412	Peat bogs
42	*Maritime wetlands*	
	421	Salt marshes
	422	Salines
	423	Intertidal flats
51	*Inland waters*	
	511	Water courses
	512	Water bodies
52	*Marine waters*	
	521	Coastal lagoons
	522	Estuaries
523	Sea and ocean	

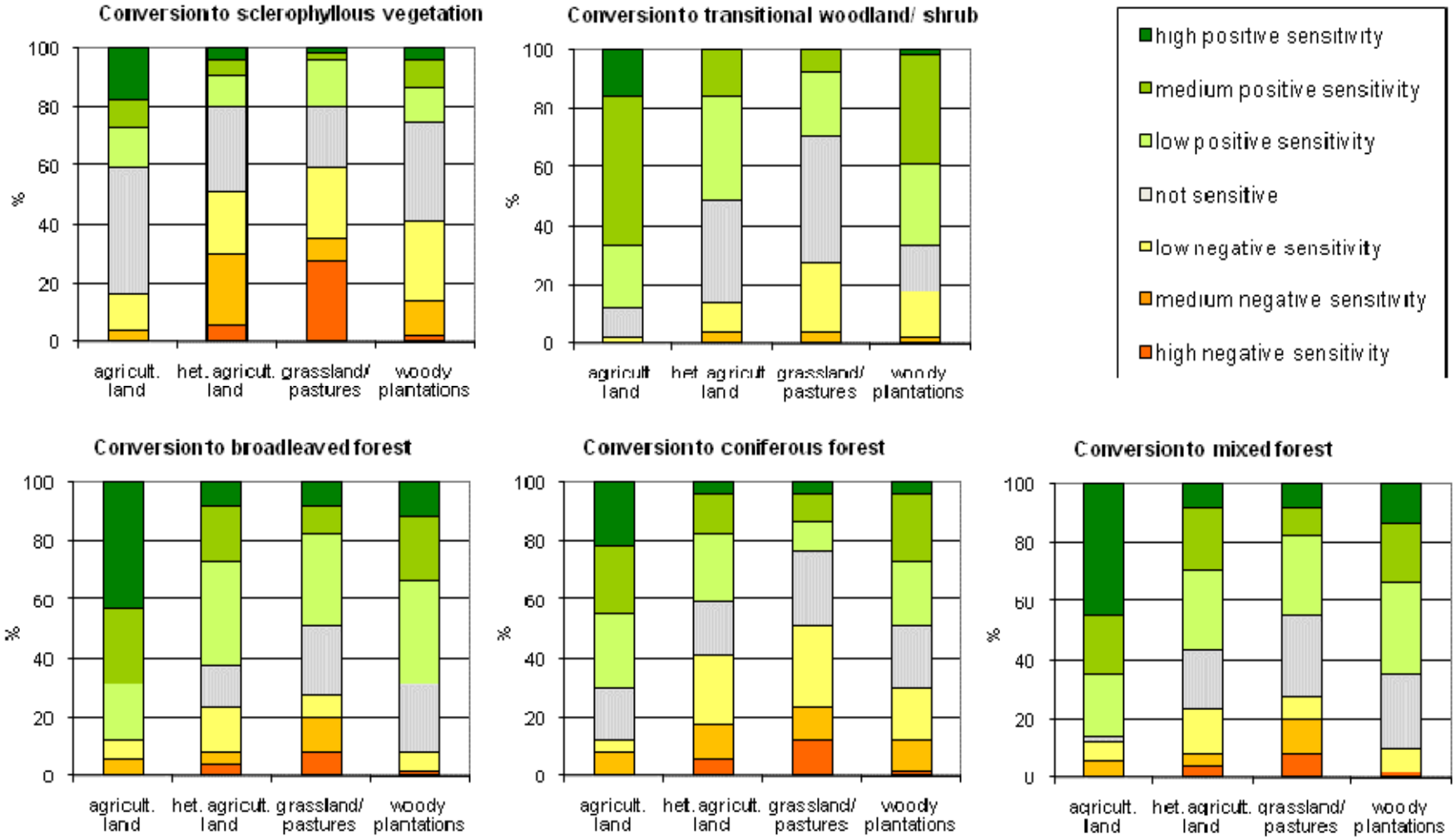

Figure A1: Sensitivity of 51 mammal species to afforestation in Italy (Mediterranean region).

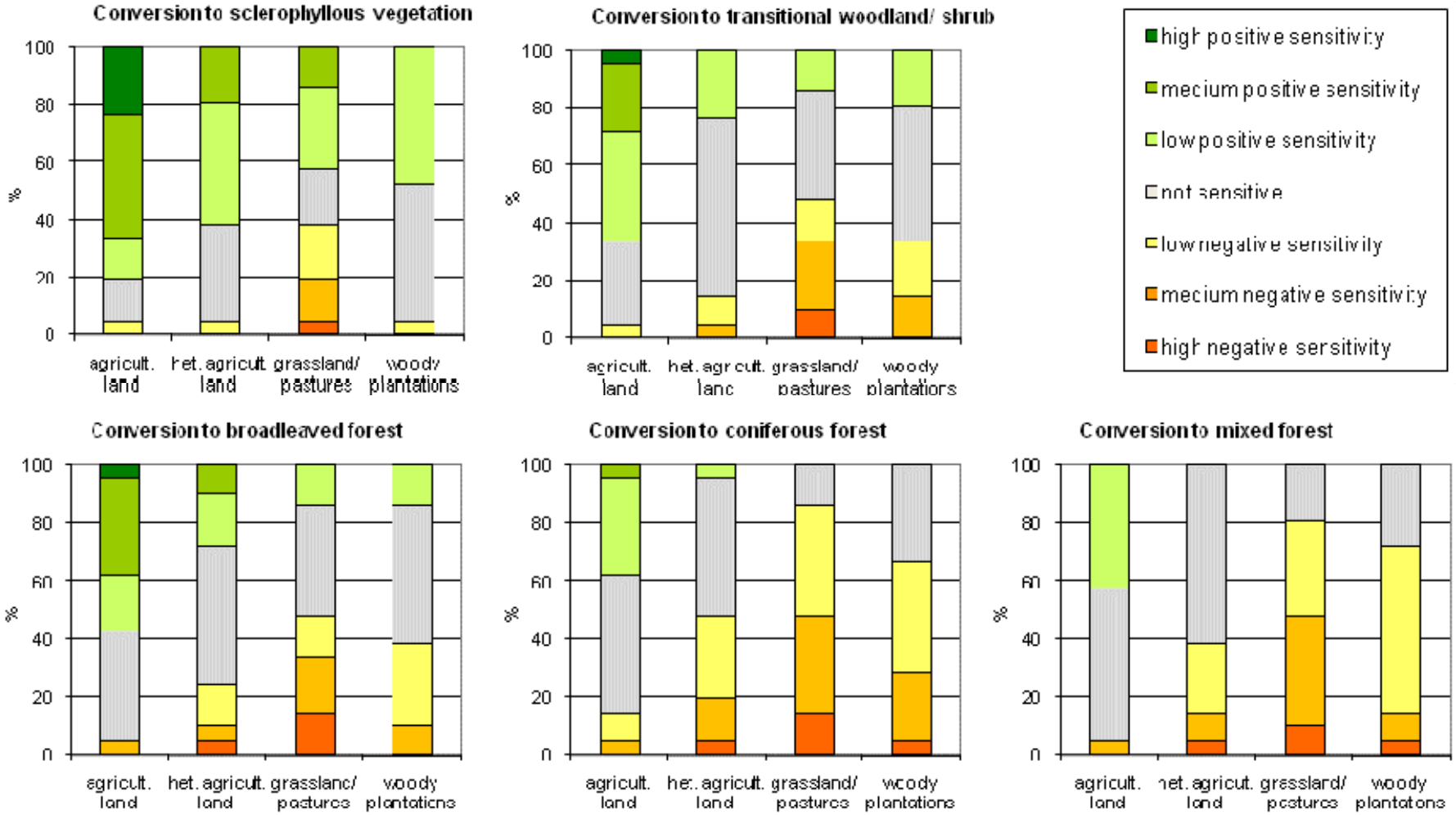

Figure A2: Sensitivity of 21 reptile species to afforestation in Italy (all biogeographical regions).

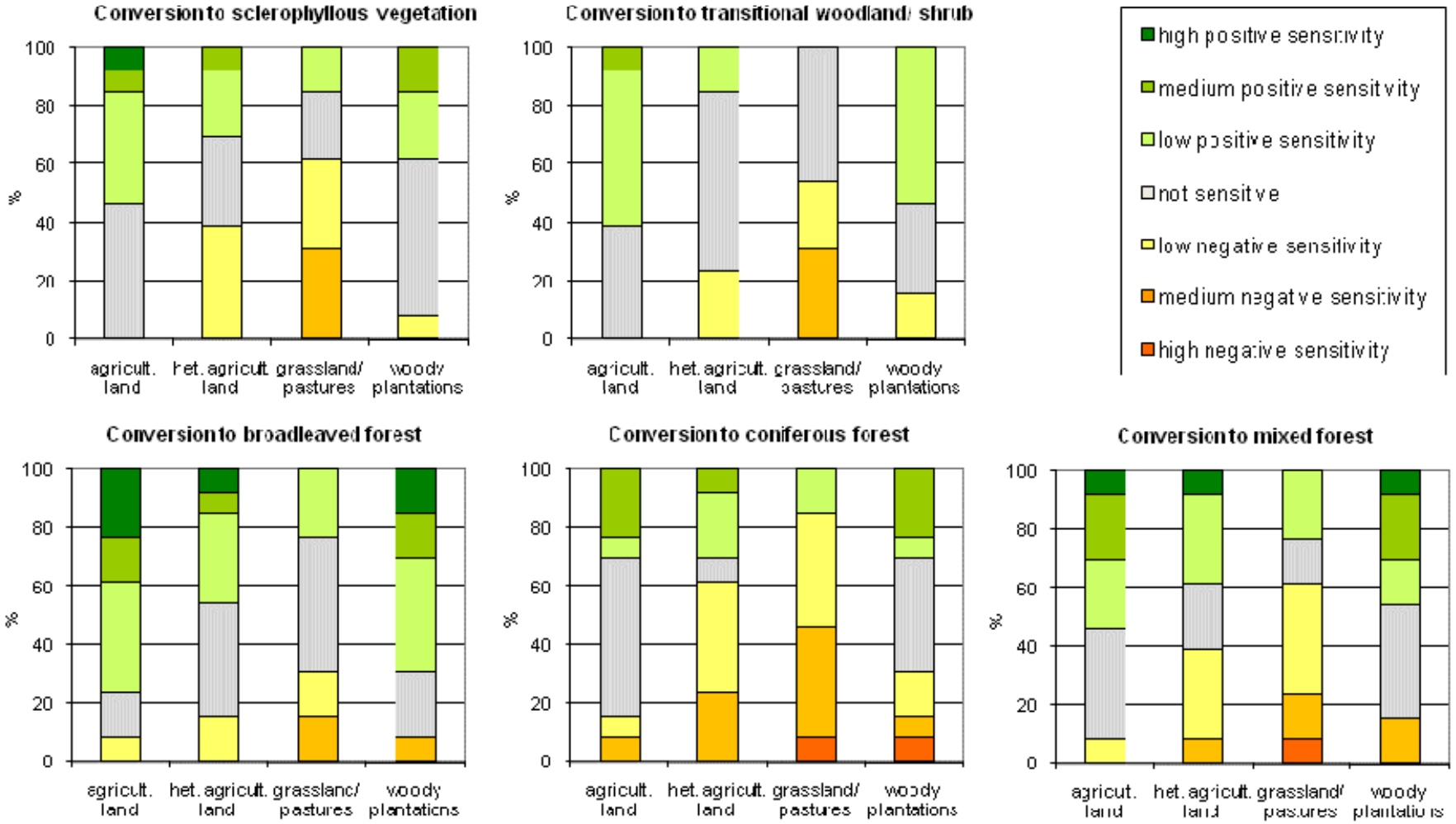

Figure A3: Sensitivity of 13 amphibian species to afforestation in Italy (all biogeographical regions).

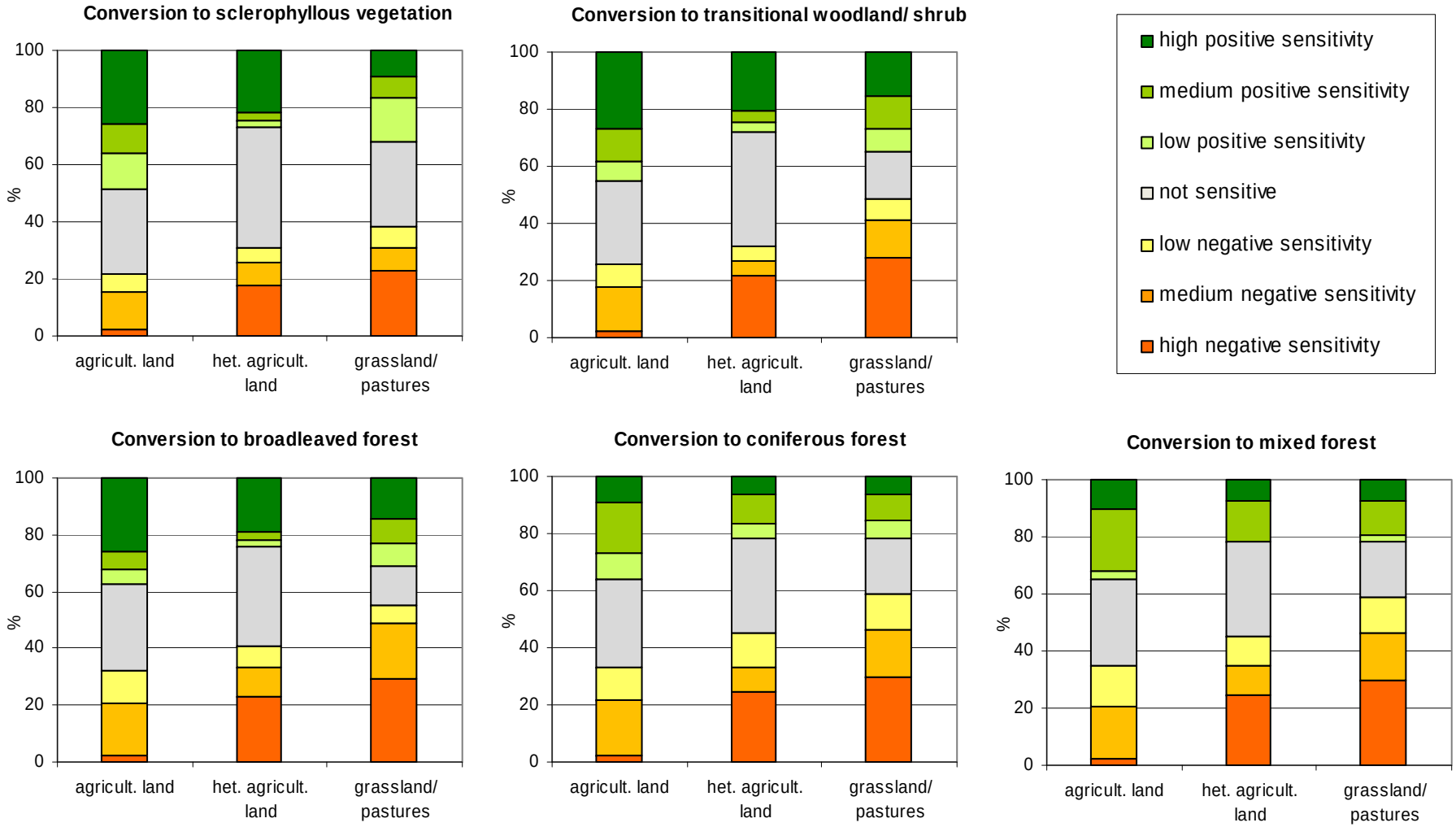

Figure A4: Sensitivity of 78 bird species to afforestation in Italy (all biogeographical regions). Waterbirds have been excluded from the analyses. No data were available for wooded plantations.

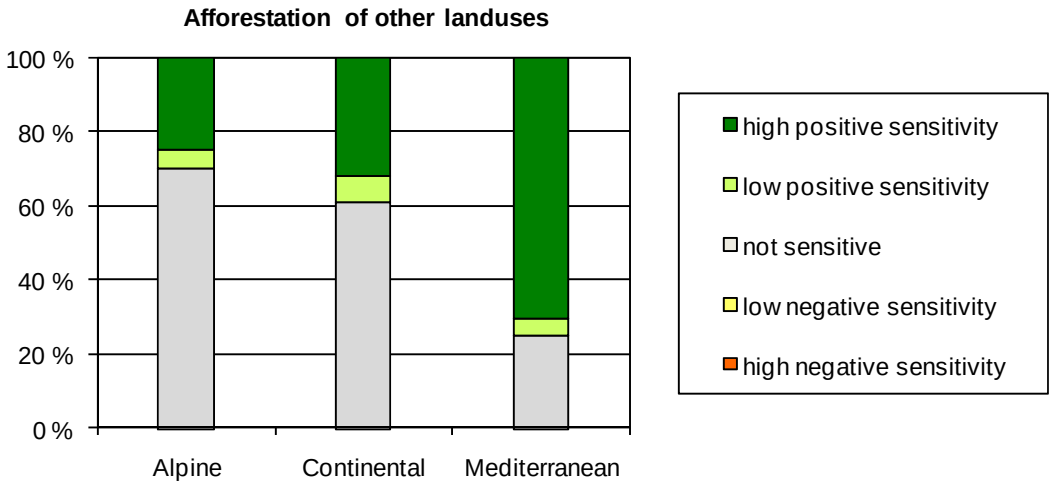

Figure A5: Sensitivity of dragonfly species to afforestation of land uses other than moors and heathlands in different regions of Italy; total number of species: 20/28/24 (Alpine/Continental/Mediterranean). No data were available for the differentiation of forest types.

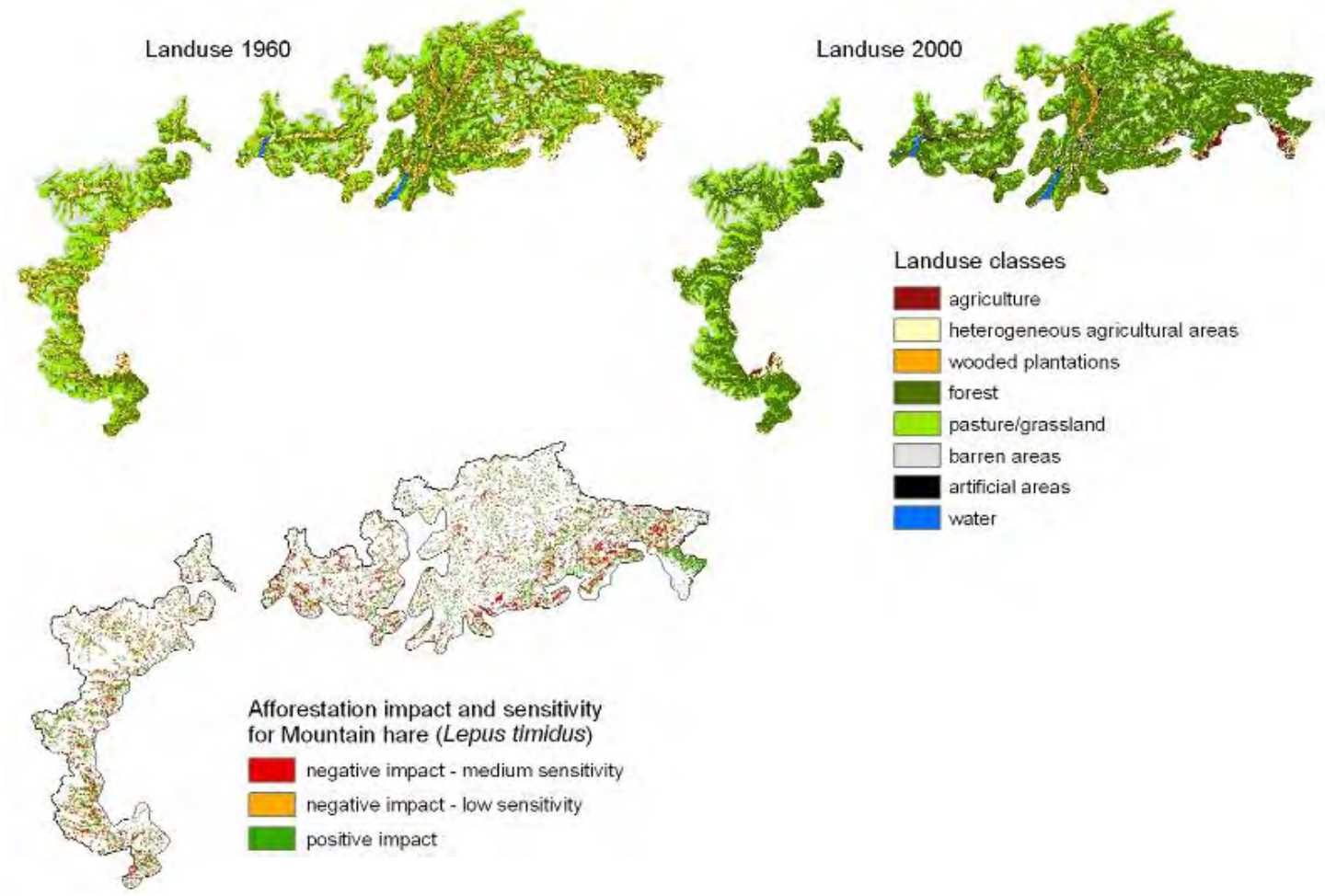

Figure A6: Sensitivity of Mountain hare (*Lepus timidus*) to afforestation between 1960 and 2000 within the distribution range of the species in Italy (Alps).

Annex 6 Additional results from prospective case study of biofuel crop production

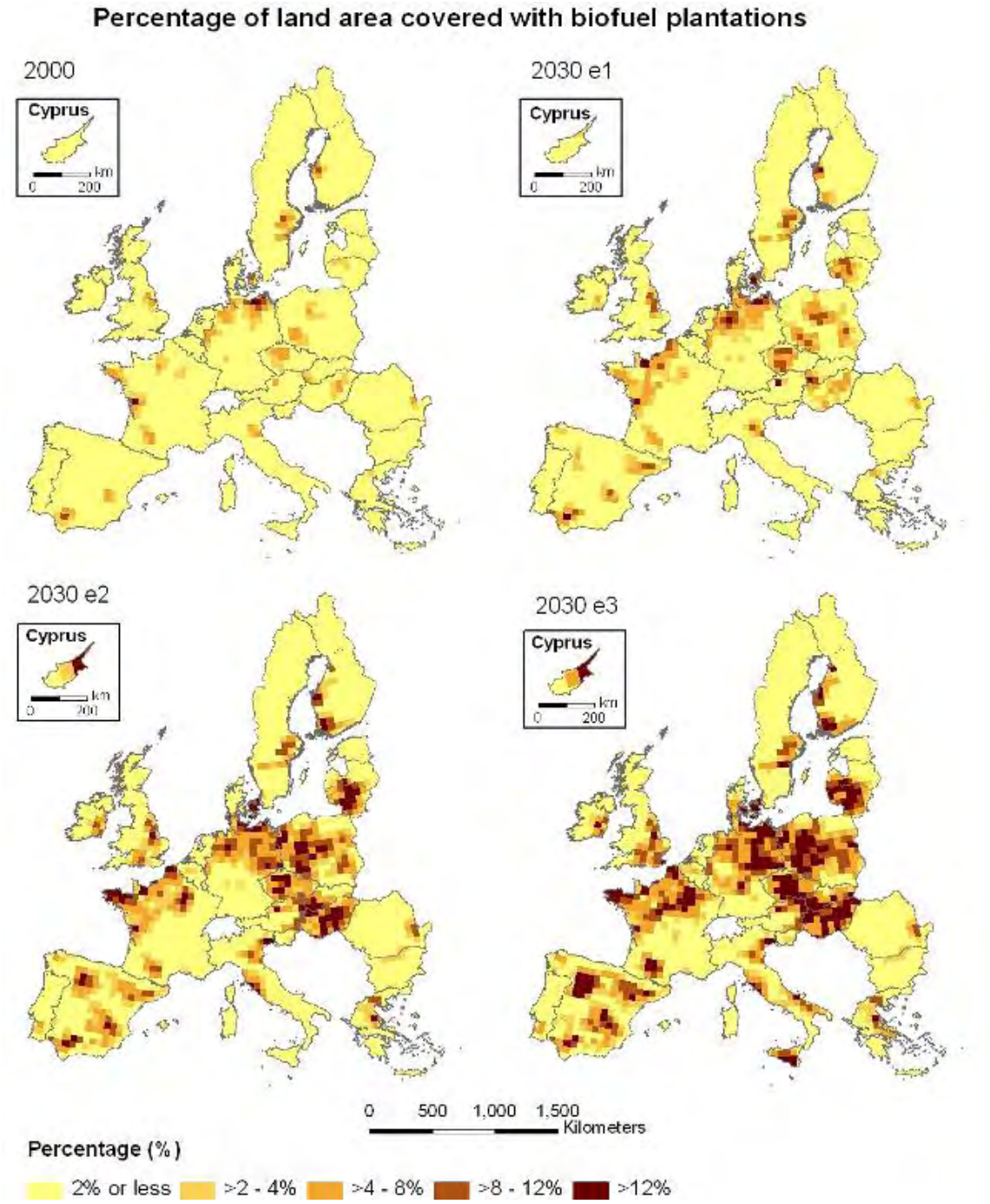

Figure: Percentage of area covered with first-generation biofuel crop plantations per 50 km x 50 km cell in 2000 and in 2030, as projected by the Eururalis Global Economy scenario, for the biofuel policy options e1 (0% blending obligation), e2 (5.75% blending obligation) and e3 (11.5% blending obligation).

Table A1: Land-use types (based on the Eururalis land-use simulation model) in 2000 and in 2030 for the three Eururalis biofuel policy options, in % of total land area.

Land-use type	2000	2030		
		e1	e2	e3
Arable land (non-irrigated)	27.8%	24.1%	23.2%	23.3%
Pasture	13.1%	12.4%	12.5%	12.9%
(Semi-)Natural vegetation (including natural grasslands, scrublands, regenerating forest below 2 m, and small forest patches within agricultural landscapes)	11.1%	9.5%	9.1%	8.0%
Recently abandoned arable land (i.e. 'long fallow'; includes very extensive farmland not reported in agricultural statistics, herbaceous vegetation, grasses and shrubs below 30 cm)	0.0%	0.8%	0.8%	0.6%
Permanent crops	3.3%	2.9%	2.9%	2.9%
Arable land devoted to the cultivation of (annual) biofuel crops	0.5%	1.2%	2.7%	3.9%
Forest	30.7%	33.9%	33.8%	33.5%
Recently abandoned pasture land (includes very extensive pasture land not reported in agricultural statistics, grasses and shrubs below 30 cm)	0.0%	0.7%	0.6%	0.5%
Other land uses	13.4%	14.4%	14.4%	14.4%

Table A2: Percentage of species possibly losing or gaining more than 1% of their potential habitat if the biofuel target is abolished (e1-e2) or doubled (e3-e2), or if the crop type is changed (woody-arable), per BGR. The second column (#) gives the total number of species per BGR and species group considered in the analyses.

		What might change if we abolish the current biofuel target? Comparison e1-e2 (in %)			**What might change if we double the current biofuel target?** Comparison e3-e2 (in %)			**What might change if we cultivate woody instead of arable crops?** Comparison woody-arable in e2 (in %)		
	#	decr	stable	incr	decr	stable	incr	decr	stable	incr
Amphibians										
Alpine	17	6	76	18	24	65	12	6	88	6
Atlantic	16	0	50	50	75	25	0	6	88	6
Black sea	8	0	88	13	0	100	0	0	100	0
Boreal	10	40	60	0	30	70	0	0	100	0
Continental	17	0	29	71	71	24	6	6	88	6
Mediterr.	19	0	63	37	47	32	21	5	89	5
Pannonian	12	0	17	83	50	42	8	0	92	8
Steppic	12	0	33	67	42	50	8	0	92	8
Mammals										
Alpine	58	9	79	12	57	38	5	9	64	28
Atlantic	48	0	60	40	71	19	10	6	63	31
Black sea	41	0	66	34	0	100	0	0	100	0
Boreal	36	28	69	3	69	22	8	6	61	33
Continental	58	7	10	83	86	10	3	9	64	28
Mediterr.	56	7	29	64	77	16	7	5	64	30
Pannonian	51	4	45	51	49	51	0	10	59	31
Steppic	47	0	30	70	66	26	9	11	57	32
Reptiles										
Alpine	23	0	78	22	9	83	9	0	87	13
Atlantic	12	8	58	33	33	50	17	8	92	0
Black sea	11	0	36	64	0	100	0	0	100	0
Boreal	3	33	67	0	0	67	33	0	100	0

		What might change if we abolish the current biofuel target? Comparison e1-e2 (in %)			What might change if we double the current biofuel target? Comparison e3-e2 (in %)			What might change if we cultivate woody instead of arable crops? Comparison woody-arable in e2 (in %)		
	#	decr	stable	incr	decr	stable	incr	decr	stable	incr
Continental	22	0	32	68	50	50	0	5	77	18
Mediterr.	29	3	38	59	62	38	0	3	76	21
Pannonian	6	0	33	67	17	67	17	0	83	17
Steppic	10	0	10	90	10	40	50	0	80	20
Birds										
Alpine	180	12	82	6	15	70	15	14	76	10
Atlantic	163	1	69	30	37	53	9	14	75	11
Black sea	133	5	62	34	1	85	14	0	100	0
Boreal	142	16	75	9	24	63	13	14	73	13
Continental	177	6	48	46	35	50	15	14	76	10
Mediterr.	167	8	51	41	41	39	20	14	74	12
Pannonian	136	7	57	37	36	62	2	17	70	13
Steppic	125	2	51	46	22	57	21	18	71	11

Table A3: Percentage of species possibly losing or gaining more than 1% of their potential habitat if the biofuel target is abolished (e1-e2) or doubled (e3-e2), or if the crop type is changed (woody-arable), per country. Figures are summarized for birds, mammals, reptiles and amphibians. The second column (#) gives the total number of species considered in the analyses per country.

		What might change if we abolish the current biofuel target? Comparison e1-e2 (in %)			What might change if we double the current biofuel target? Comparison e3-e2 (in %)			What might change if we cultivate woody instead of arable crops? Comparison woody-arable in e2 (in %)		
	#	decr	stable	incr	decr	stable	incr	decr	stable	incr
Austria	205	8	44	47	48	34	18	13	70	17
Belgium	162	4	95	1	44	44	12	13	70	17
Bulgaria	211	8	32	61	2	92	6	2	95	3
Cyprus	12	8	17	75	58	42	0	0	58	42
Czech Republic	192	14	28	58	48	40	12	15	68	18
Denmark	149	1	48	50	44	54	1	13	70	17
Estonia	158	41	53	7	21	72	8	0	100	0
Finland	153	10	72	18	35	54	11	12	73	15
France	238	5	54	42	52	36	12	12	75	13
Germany	211	5	51	45	44	41	16	12	72	16
Greece	214	6	77	17	27	56	18	11	72	17
Hungary	195	21	57	22	23	70	7	14	69	17
Ireland	101	12	65	23	17	76	7	17	66	17
Italy	228	6	63	31	57	27	16	9	75	15
Latvia	164	56	30	13	5	93	2	13	69	18
Lithuania	165	59	30	11	49	41	10	13	70	17
Luxembourg	135	44	40	16	52	30	18	0	100	0
Malta	15	13	27	60	60	20	20	20	60	20
Netherlands	155	21	79	0	29	70	1	2	82	16
Poland	200	16	31	54	43	46	12	14	70	17
Portugal	163	29	52	18	13	47	40	2	97	1
Romania	217	3	44	53	13	78	9	5	88	8
Slovakia	190	14	31	56	46	51	4	14	68	18

		What might change if we abolish the current biofuel target? Comparison e1-e2 (in %)			**What might change if we double the current biofuel target?** Comparison e3-e2 (in %)			**What might change if we cultivate woody instead of arable crops?** Comparison woody-arable in e2 (in %)		
	#	decr	stable	incr	decr	stable	incr	decr	stable	incr
Slovenia	195	9	82	9	0	99	1	10	72	17
Spain	213	8	41	51	50	35	15	12	72	15
Sweden	171	8	82	10	18	73	9	8	82	9
United Kingdom	157	14	85	1	27	62	11	11	74	15

Table A4: Applied link between the habitat type data for vascular plant species and the land-use classes of the biofuel policy options. Only those habitat types/land-use classes are considered for which changes between the different biofuel policy options occur.

Land-use class of the biofuel policy options used to link the habitat suitability with land-use changes	**Habitat types with available data on habitat suitability for the plant species**
Forest	Forests
Pasture Recently abandoned pasture land (Semi)Natural vegetation	Natural and semi-natural grassland formations
Permanent crops	Temperate heath and scrub
Arable land (non-irrigated) Recently abandoned arable land Arable land devoted to the cultivation of (annual) biofuel crops	Ruderal and arable habitats

Annex 7 Test with random set of species

To test the reliability of our results, a set of 30 mammal and 102 bird species was randomly selected, reflecting exactly half of the mammal and bird species used for the analyses shown in Annex 6. For these species the same analyses on habitat changes at regional level for the e3-e2 scenario comparison were carried out as presented in Section 4.3 of the report, and the results were compared with the results for all mammal and bird species. As can be seen from the following table, the differences are fairly low for the biogeographical regions. The largest differences occurred for the Steppic region (mammals) and the Boreal region (birds). Overall, it can be concluded that the results achieved do not vary very much if a different set of species is used.

Table: Percentage of species losing or gaining more than 1% of their potential habitat if the biofuel target is doubled (e3-e2), per biogeographical region: Differences between the results for the randomly selected set of mammal and bird species and the full set of species.

BGR	Mammals			Birds		
	decr	stable	incr	decr	stable	incr
Alpine	-3,3	-2,2	5,5	0,6	-5,6	5,0
Atlantic	-4,2	2,1	2,1	2,8	-3,9	1,1
Black sea	0,0	0,0	0,0	-0,8	-4,7	5,4
Boreal	-0,7	-3,5	4,2	9,4	-8,0	-1,4
Continental	-7,6	3,9	3,7	1,6	-4,2	2,5
Mediterranean	1,8	-1,8	0,0	3,5	-5,2	1,7
Pannonian	5,1	-5,1	0,0	1,1	-0,3	-0,8
Steppic	-13,8	13,6	0,2	1,5	-1,6	0,1