

L.N. 322 of 2013

**ENVIRONMENT AND DEVELOPMENT PLANNING ACT
(CAP. 504)**

**Flora, Fauna and Natural Habitats (Amendment)
Regulations, 2013**

BY VIRTUE of the powers conferred by articles 61 and 62 of the Environment and Development Planning Act, the Minister for Sustainable Development, the Environment and Climate Change, after consultation with the Malta Environment and Planning Authority, has made the following regulations:-

1. The title of these regulations is the Flora, Fauna and Natural Habitats (Amendment) Regulations, 2013, and these regulations shall be read and construed as one with the Flora, Fauna and Natural Habitats Regulations, hereinafter referred to as the "principal regulations".

Citation.

S.L. 504.73

2. Schedule I to the principal regulations shall be substituted by the following new schedule:

Substitutes
Schedule I to
the principal
regulations.

"SCHEDULE I

**NATURAL HABITAT TYPES WHOSE CONSERVATION REQUIRES
THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION**

Interpretation

Guidance on the interpretation of habitat types is given in the latest updated version of the 'Interpretation Manual of European Union Habitats' as approved by the committee set up under Article 20 of Directive 92/43/EEC ('Habitats Committee') and published by the European Commission.

The code corresponds to the NATURA 2000 code.

The sign "*" indicates priority habitat types.

1. COASTAL AND HALOPHYTIC HABITATS

11. Open sea and tidal areas

1110 Sandbanks which are slightly covered by sea water all the time

1120 **Posidonia* beds (*Posidonium oceanicae*)

1130 Estuaries

1140 Mudflats and sandflats not covered by seawater at lowtide

1150 *Coastal lagoons

1160 Large shallow inlets and bays

1170 Reefs

1180 Submarine structures made by leaking gases

12. Seacliffs and shingle or stony beaches

- 1210 Annual vegetation of drift lines
- 1220 Perennial vegetation of stony banks
- 1230 Vegetated seacliffs of the Atlantic and Baltic Coasts
- 1240 Vegetated seacliffs of the Mediterranean coasts with endemic *Limonium* spp.
- 1250 Vegetated seacliffs with endemic flora of the Macaronesian coasts
- 13. **Atlantic and continental salt marshes and salt meadows**
- 1310 *Salicornia* and other annuals colonizing mud and sand
- 1320 *Spartina* swards (*Spartinion maritimae*)
- 1330 Atlantic salt meadows (*Glauco-Puccinellietalia maritimae*)
- 1340* Inland salt meadows
- 14. **Mediterranean and thermo-Atlantic salt marshes and salt meadows**
- 1410 Mediterranean salt meadows (*Juncetalia maritimi*)
- 1420 Mediterranean and thermo-Atlantic halophilous scrubs (*Sarcocornetea fruticosi*)
- 1430 Halo-nitrophilous scrubs (*Pegano-Salsotea*)
- 15. **Salt and gypsum in land steppes**
- 1510 *Mediterranean salt steppes (*Limonietalia*)
- 1520 *Iberian gypsum vegetation (*Gypsophiletalia*)
- 1530 *Pannonic salt steppes and salt marshes
- 16. **Boreal Baltic archipelago, coastal and land upheaval areas**
- 1610 Baltic esker islands with sandy, rocky and shingle beach vegetation and sublittoral vegetation
- 1620 Boreal Baltic islets and small islands
- 1630 *Boreal Baltic coastal meadows
- 1640 Boreal Baltic sandy beaches with perennial vegetation
- 1650 Boreal Baltic narrow inlets
- 2. COASTAL SAND DUNES AND INLAND DUNES
- 21. **Sea dunes of the Atlantic, North Sea and Baltic coasts**
- 2110 Embryonic shifting dunes
- 2120 Shifting dunes along the shoreline with *Ammophila arenaria* ("white dunes")
- 2130 *Fixed coastal dunes with herbaceous vegetation ("grey dunes")
- 2140 *Decalcified fixed dunes with *Empetrum nigrum*
- 2150 *Atlantic decalcified fixed dunes (*Calluno-Ulicetea*)
- 2160 Dunes with *Hippophaë rhamnoides*
- 2170 Dunes with *Salix repens* ssp. *argentea* (*Salicion arenariae*)
- 2180 Wooded dunes of the Atlantic, Continental and Boreal region
- 2190 Humid dune slacks
- 21A0 Machairs (*in Ireland)
- 22. **Sea dunes of the Mediterranean coast**
- 2210 *Crucianellion maritimae* fixed beach dunes

- 2220 Dunes with *Euphorbia terracina*
- 2230 *Malcolmietalia* dune grasslands
- 2240 *Brachypodietalia* dune grasslands with annuals
- 2250 *Coastal dunes with *Juniperus* spp.
- 2260 *Cisto-Lavenduletalia* dunes sclerophyllous scrubs
- 2270 *Wooded dunes with *Pinus pinea* and/or *Pinus pinaster*
- 23. **Inland dunes, old and decalcified**
- 2310 Dry sand heaths with *Calluna* and *Genista*
- 2320 Dry sand heaths with *Calluna* and *Empetrum nigrum*
- 2330 Inland dunes with open *Coryephorus* and *Agrostis* grasslands
- 2340 *Pannonic inland dunes

3. FRESHWATER HABITATS

- 31. **Standing water**
- 3110 Oligotrophic waters containing very few minerals of sandy plains (*Littorelletalia uniflorae*)
- 3120 Oligotrophic waters containing very few minerals generally on sandy soils of the West Mediterranean, with *Isoetes* spp.
- 3130 Oligotrophic to mesotrophic standing waters with vegetation of the *Littorelletea uniflorae* and/or of the *Isoëto-Nanojuncetea*
- 3140 Hardoligo-mesotrophic waters with benthic vegetation of *Chara* spp.
- 3150 Natural eutrophic lakes with *Magnopotamion* or *Hydrocharition*-type vegetation
- 3160 Natural dystrophic lakes and ponds
- 3170 *Mediterranean temporary ponds
- 3180 *Turloughs
- 3190 Lakes of gypsum karst
- 31A0 *Transylvanian hot-spring lotus beds
- 32. **Running water - sections of water courses with natural or semi-natural dynamics (minor, average and major beds) where the water quality shows no significant deterioration**
- 3210 Fennoscandian natural rivers
- 3220 Alpine rivers and the herbaceous vegetation along their banks
- 3230 Alpine rivers and their ligneous vegetation with *Myricaria germanica*
- 3240 Alpine rivers and their ligneous vegetation with *Salix eleagnos*
- 3250 Constantly flowing Mediterranean rivers with *Glaucium flavum*
- 3260 Water courses of plain to montane levels with the *Ranunculon fluitanis* and *Callitricho-Batrachion* vegetation
- 3270 Rivers with muddy banks with *Chenopodion rubri* p.p. and *Bidention* p.p. vegetation
- 3280 Constantly flowing Mediterranean rivers with *Paspalo-Agrostidion* species and hanging curtains of *Salix* and *Populus alba*
- 3290 Intermittently flowing Mediterranean rivers of the *Paspalo-Agrostidion*
- 32A0 Tufa cascades of karstic rivers in the Dinaric Alps

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4. TEMPERATE HEATH AND SCRUB

- 4010 Northern Atlantic wet heaths with *Erica tetralix*
- 4020 *Temperate Atlantic wet heaths with *Erica ciliaris* and *Erica tetralix*
- 4030 European dry heaths
- 4040 *Dry Atlantic coastal heaths with *Erica vagans*
- 4050 *Endemic macaronesian heaths
- 4060 Alpine and Boreal heaths
- 4070 *Bushes with *Pinus mugo* and *Rhododendron hirsutum* (*Mugo-Rhododendretum hirsuti*)
- 4080 Sub-Arctic *Salix* spp. Scrub
- 4090 Endemic oro-Mediterranean heaths with gorse
- 40A0 *Subcontinental peri-Pannonic scrub
- 40B0 Rhodope *Potentilla fruticosa* thickets
- 40C0 *Ponto-Sarmatic deciduous thickets

5. SCLEROPHYLLOUS SCRUB (MATORRAL)

- 51. **Sub-Mediterranean and temperate scrub**
- 5110 Stable xerothermophilous formations with *Buxus sempervirens* on rock slopes (*Berberidion* p.p.)
- 5120 Mountain *Cytisus purgans* formations
- 5130 *Juniperus communis* formations on heaths or calcareous grasslands
- 5140 **Cistus palhinhae* formations on maritime wet heaths
- 52. **Mediterranean arborescent matorral**
- 5210 Arborescent matorral with *Juniperus* spp.
- 5220 *Arborescent matorral with *Zyziphus*
- 5230 *Arborescent matorral with *Laurus nobilis*
- 53. **Thermo-Mediterranean and pre-steppe brush**
- 5310 *Laurus nobilis* thickets
- 5320 Low formations of *Euphorbia* close to cliffs
- 5330 Thermo-Mediterranean and pre-desert scrub
- 54. **Phrygana**
- 5410 West Mediterranean clifftop phryganas (*Astragalo-Plantaginetum subulatae*)
- 5420 *Sarcopoterium spinosum* phryganas
- 5430 Endemic phryganas of the *Euphorbio-Verbascion*

6. NATURAL AND SEMI-NATURAL GRASSLAND FORMATIONS

- 61. **Natural grasslands**
- 6110 *Rupicolous calcareous or basophilic grasslands of the *Alysso-Sedion albi*
- 6120 *Xeric sand calcareous grasslands
- 6130 Calaminarian grasslands of the *Violetalia calaminariae*
- 6140 Siliceous Pyrenean *Festuca eskia* grasslands
- 6150 Siliceous alpine and boreal grasslands

- 6160 Oro-Iberian *Festuca indigesta* grasslands
 - 6170 Alpine and subalpine calcareous grasslands
 - 6180 Macaronesian mesophile grasslands
 - 6190 Rupicolous panonic grasslands (*Stipo-Festucetalia pallentis*)
 - 62 **Semi-natural dry grasslands and scrubland facies**
 - 6210 Semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*)(*important orchid sites)
 - 6220 *Pseudo-steppe with grasses and annual soft *Thero-Brachypodietea*
 - 6230 *Species-rich *Nardus* grasslands, on silicious substrates in mountain areas (and submountain areas in Continental Europe)
 - 6240 *Sub-Pannonic steppic grasslands
 - 6250* Pannonic loess steppic grasslands
 - 6260 *Pannonics and steppes
 - 6270 *Fennoscandian lowland species-rich dry to mesic grasslands
 - 6280 *Nordic alvar and precambrian calcareous flatrocks
 - 62A0 Eastern sub-Mediterranean dry grasslands (*Scorzoneratalia villosae*)
 - 62B0 *Serpentinophilous grassland of Cyprus
 - 62C0 *Ponto-Sarmatic steppes
 - 62D0 Oro-Moesian acidophilous grasslands
 - 63. **Sclerophillous grazed forests (dehesas)**
 - 6310 Dehesas with evergreen *Quercus* spp.
 - 64. **Semi-natural tall-herb humid meadows**
 - 6410 *Molinia* meadows on calcareous, peaty or clayey-silt-laden soils (*Molinion caeruleae*)
 - 6420 Mediterranean tall humid grasslands of the *Molinio-Holoschoenion*
 - 6430 Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels
 - 6440 Alluvial meadows of river valleys of the *Cnidion dubii*
 - 6450 Northern boreal alluvial meadows
 - 6460 Peat grasslands of Troodos
 - 65. **Mesophile grasslands**
 - 6510 Lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*)
 - 6520 Mountain hay meadows
 - 6530 *Fennoscandian wooded meadows
 - 6540 Sub-Mediterranean grasslands of the *Molinio-Hordeion secalini*
7. RAISED BOGS AND MIRES AND FENS
- 71. **Sphagnum acid bogs**
 - 7110 *Active raised bogs
 - 7120 Degraded raised bogs still capable of natural regeneration
 - 7130 Blanket bogs (*if active bog)
 - 7140 Transition mires and quaking bogs
 - 7150 Depressions on peat substrates of the *Rhynchosporion*

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- 7160 Fennoscandian mineral-rich springs and springfens
- 72. **Calcareous fens**
- 7210 *Calcareous fens with *Cladium mariscus* and species of the *Caricion davallianae*
- 7220 *Petrifying springs with tufa formation (*Cratoneurion*)
- 7230 Alkaline fens
- 7240 *Alpine pioneer formations of the *Caricion bicoloris-atrofuscae*
- 73. **Boreal mires**
- 7310 *Aapa mires
- 7320 *Palsa mires

8. ROCKY HABITATS AND CAVES

- 81. **Scree**
- 8110 Siliceous scree of the montane to snow levels (*Androsacetalia alpinae* and *Galeopsietalia ladani*)
- 8120 Calcareous and calcsist screes of the montane to alpine levels (*Thlaspietia rotundifolia*)
- 8130 Western Mediterranean and thermophilous scree
- 8140 Eastern Mediterranean screes
- 8150 Medio-European upland siliceous screes
- 8160 *Medio-European calcareous scree of hill and montane levels
- 82. **Rocky slopes with chasmophytic vegetation**
- 8210 Calcareous rocky slopes with chasmophytic vegetation
- 8220 Siliceous rocky slopes with chasmophytic vegetation
- 8230 Siliceous rock with pioneer vegetation of the *Sedo-Scleranthion* or of the *Sedo albi-Veronicion dillenii*
- 8240 *Limestone pavements
- 83. **Other rocky habitats**
- 8310 Caves not open to the public
- 8320 Fields of lava and natural excavations
- 8330 Submerged or partially submerged sea caves
- 8340 Permanent glaciers

9. FORESTS

(Sub)natural woodland vegetation comprising native species forming forests of tall trees, with typical undergrowth, and meeting the following criteria: rare or residual, and/or hosting species of Community interest

- 90. **Forests of Boreal Europe**
- 9010 *Western Taiga
- 9020 *Fennoscandian hemiboreal natural old broad-leaved deciduous forests (*Quercus*, *Tilia*, *Acer*, *Fraxinus* or *Ulmus*) rich in epiphytes
- 9030 *Natural forests of primary succession stages of land upheaval coast
- 9040 Nordic subalpine/subarctic forests with *Betula pubescens* ssp. *czerepanovii*
- 9050 Fennoscandian herb-rich forests with *Picea abies*

- 9060 Coniferous forests on, or connected to, glaciofluvial eskers
- 9070 Fennoscandian wooded pastures
- 9080 *Fennoscandian deciduous swamp woods
- 91. **Forests of Temperate Europe**
- 9110 *Luzulo-Fagetum* beech forests
- 9120 Atlantic acidophilous beech forests with *Ilex* and sometimes also *Taxus* in the shrublayer (*Quercion robori-petraeae* or *Ilici-Fagenion*)
- 9130 *Asperulo-Fagetum* beech forests
- 9140 Medio-European subalpine beech woods with *Acer* and *Rumex arifolius*
- 9150 Medio-European limestone beech forests of the *Cephalanthero-Fagion*
- 9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests of the *Carpinion betuli*
- 9170 *Galio-Carpinetum* oak-hornbeam forests
- 9180 **Tilio-Acerion* forests of slopes, screes and ravines
- 9190 Old acid ophilous oak woods with *Quercus robur* on sandy plains
- 91A0 Old sessile oak woods with *Ilex* and *Blechnum* in the British Isles
- 91B0 Thermophilous *Fraxinus angustifolia* woods
- 91C0* Caledonian forest
- 91D0 *Bog woodland
- 91E0 *Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)
- 91F0 Riparian mixed forests of *Quercus robur*, *Ulmus laevis* and *Ulmus minor*, *Fraxinus excelsior* or *Fraxinus angustifolia*, along the great rivers (*Ulmenion minoris*)
- 91G0 *Pannonic woods with *Quercus petraea* and *Carpinus betulus*
- 91H0 *Pannonian woods with *Quercus pubescens*
- 91I0 *Euro-Siberian steppic woods with *Quercus* spp.
- 91J0 **Taxus baccata* woods of the British Isles
- 91K0 Illyrian *Fagus sylvatica* forests (*Aremonio-Fagion*)
- 91L0 Illyrian oak-hornbeam forests (*Erythronio-Carpinion*)
- 91M0 Pannonian-Balkan turkey oak - sessile oak forests
- 91N0 *Pannonic inland sand dune thicket (*Junipero-Populetum albae*)
- 91P0 Holy Cross fir forest (*Abietetum polonicum*)
- 91Q0 Western Carpathian calcicolous *Pinus sylvestris* forests
- 91R0 Dinaric dolomite Scots pine forests (*Genisto januensis-Pinetum*)
- 91S0 *Western Pontic beech forests
- 91T0 Central European lichen Scots pine forests
- 91U0 Sarmatic steppe pine forest
- 91V0 Dacian Beech forests (*Symphyto-Fagion*)
- 91W0 Moesian beech forests
- 91X0 *Dobrogean beech forests
- 91Y0 Dacian oak & hornbeam forests

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- 91Z0 Moesian silver lime woods
- 91AA *Eastern white oak woods
- 91BA Moesian silver fir forests
- 91CA Rhodopide and Balkan Range Scots pine forests
- 92. **Mediterranean deciduous forests**
- 9210 *Apeninne beech forests with *Taxus* and *Ilex*
- 9220 *Apennine beech forests with *Abies alba* and beech forests with *Abies nebrodensis*
- 9230 Galicio-Portuguese oak woods with *Quercus robur* and *Quercus pyrenaica*
- 9240 *Quercus faginea* and *Quercus canariensis* Iberian woods
- 9250 *Quercus trojana* woods
- 9260 *Castanea sativa* woods
- 9270 Hellenic beech forests with *Abies borisii-regis*
- 9280 *Quercus frainetto* woods
- 9290 *Cupressus* forests (*Acero-Cupression*)
- 92A0 *Salix alba* and *Populus alba* galleries
- 92B0 Riparian formations on intermittent Mediterranean watercourses with *Rhododendron ponticum*, *Salix* and others
- 92C0 *Platanus orientalis* and *Liquidambar orientalis* woods (*Platanion orientalis*)
- 92D0 Southern riparian galleries and thickets (*Nerio-Tamaricetea* and *Securinegion tinctoriae*)
- 93. **Mediterranean sclerophyllous forests**
- 9310 Aegean *Quercus brachyphylla* woods
- 9320 *Olea* and *Ceratonia* forests
- 9330 *Quercus suber* forests
- 9340 *Quercus ilex* and *Quercus rotundi folia* forests
- 9350 *Quercus macrolepis* forests
- 9360 *Macaronesian laurel forests (*Laurus*, *Ocotea*)
- 9370 *Palm groves of Phoenix
- 9380 Forests of *Ilex aquifolium*
- 9390 *Scrub and low forest vegetation with *Quercus alnifolia*
- 93A0 Woodlands with *Quercus infectoria* (*Anagyro foetidae-Quercetum infectoriae*)
- 94. **Temperate mountainous coniferous forests**
- 9410 *Acidophilous Picea* forests of the montane to alpine levels (*Vaccinio-Piceetea*)
- 9420 Alpine *Larix decidua* and/or *Pinus cembra* forests
- 9430 Subalpine and montane *Pinus uncinata* forests (*if on gypsum or limestone)
- 95. **Mediterranean and Macaronesian mountainous coniferous forests**
- 9510 *Southern Apennine *Abies alba* forests

- 9520 *Abies pinsapo* forests
 9530 *(Sub-) Mediterranean pine forests with endemic black pines
 9540 Mediterranean pine forests with endemic Mesogean pines
 9550 Canarian endemic pine forests
 9560 *Endemic forests with *Juniperus* spp.
 9570 **Tetraclinis articulata* forests
 9580 *Mediterranean *Taxus baccata* woods
 9590 **Cedrus brevifolia* forests (*Cedrosetum brevifoliae*)
 95A0 High oro-Mediterranean pine forests".

3. Schedule II to the principal regulations shall be substituted by the following new schedule:

Substitutes
Schedule II to
the principal
regulations.

"SCHEDULE II

ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST WHOSE CONSERVATION REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION

Interpretation

(a) Schedule II follows on from Schedule I for the establishment of a consistent network of special areas of conservation of international importance.

(b) The species listed in this Schedule are indicated:

- by the Scientific name of the species or subspecies, or
- by all the species belonging to a higher taxon or to a designated part of that taxon.

Where required, scientific synonyms of each species or lower taxon are included in brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

Other references to taxa higher than genus and/or species are for the purposes of information or classification only.

(c) Symbols and Abbreviations

- An asterisk (*) before the name of a species or subspecies indicates that it is a priority species.
- The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.
- Most species listed in this schedule are also listed in Schedule V. Where a species appears in this Schedule but does not appear in either Schedule V or Schedule VII, the species name is followed by the symbol (o); where a species which appears in this schedule also appears in Schedule V but does not appear in Schedule VII, its name is followed by the symbol (V).

(a) ANIMALS

VERTEBRATES

MAMMALS

INSECTIVORA

TALPIDAE

Galemys pyrenaicus

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CHIROPTERA

RHINOLOPHIDAE

Rhinolophus blasii
Rhinolophus euryale
Rhinolophus ferrumequinum
Rhinolophus hipposideros
Rhinolophus mehelyi

VESPERTILIONIDAE

Barbastella barbastellus
Miniopterus schreibersi
Myotis bechsteini
Myotis blythii
Myotis capaccinii
Myotis dasycneme
Myotis emarginatus
Myotis myotis

Pteropodidae

Rousettus aegyptiacus

RODENTIA

GLIRIDAE

Myomimus roachi

SCIURIDAE

* *Marmota marmota latirostris*
* *Pteromys volans (Sciuropterus ruscicus)*
Spermophilus citellus (Citellus citellus)
* *Spermophilus suslicus (Citellus suslicus)*

CASTORIDAE

Castor fiber (except the Estonian, Latvian, Lithuanian, Finnish and Swedish populations)

CRICETIDAE

Mesocricetus newtoni

MICROTIDAE

Dinaromys bogdanovi
Microtus cabreræ
* *Microtus oeconomus arenicola*
* *Microtus oeconomus mehelyi*
Microtus tatricus

ZAPODIDAE

Sicista subtilis

CARNIVORA

CANIDAE

* *Alopex lagopus*

* *Canis lupus* (except the Estonian population; Greek populations: only south of the 39th parallel; Spanish populations: only those south of the Duero; Latvian, Lithuanian and Finnish populations).

URSIDAE

* *Ursus arctos* (except the Estonian, Finnish, and Swedish populations)

MUSTELIDAE

* *Gulo gulo*

Lutra lutra

Mustela eversmannii

* *Mustela lutreola*

Vormela peregusna

FELIDAE

Lynx lynx (except the Estonian, Latvian and Finnish populations)

* *Lynx pardinus*

PHOCIDAE

Halichoerus grypus (V)

* *Monachus monachus*

Phoca hispida bottnica (V)

* *Phoca hispida saimensis*

Phoca vitulina (V)

ARTIODACTYLA

CERVIDAE

* *Cervus elaphus corsicanus*

Rangifer tarandus fennicus (o)

BOVIDAE

* *Bison bonasus*

Capra aegagrus (natural populations)

* *Capra pyrenaica pyrenaica*

Ovis gmelini musimon (*Ovis ammon musimon*) (natural populations - Corsica and Sardinia)

Ovis orientalis ophion (*Ovis gmelini ophion*)

* *Rupicapra pyrenaica ornata* (*Rupicapra rupicapra ornata*)

Rupicapra rupicapra balcanica

* *Rupicapra rupicapra tatrica*

CETACEA

Phocoena phocoena

Tursiops truncatus

REPTILES

CHELONIA (TESTUDINES)

TESTUDINIDAE

Testudo graeca

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Testudo hermanni

Testudo marginata

CHELONIIDAE

* *Caretta caretta*

* *Chelonia mydas*

EMYDIDAE

Emys orbicularis

Mauremys caspica

Mauremys leprosa

SAURIA

LACERTIDAE

Dinarolacerta mosorensis

Lacerta bonnali (Lacerta monticola)

Lacerta monticola

Lacerta schreiberi

Gallotia galloti insulanagae

* *Gallotia simonyi*

Podarcis lilfordi

Podarcis pityusensis

SCINCIDAE

Chalcides simonyi (Chalcides occidentalis)

GEKKONIDAE

Phyllodactylus europaeus

OPHIDIA (SERPENTES)

COLUBRIDAE

* *Coluber cypriensis*

Elaphe quatuorlineata

Elaphe situla

* *Natrix natrix cypriaca*

VIPERIDAE

* *Macrovipera schweizeri (Vipera lebetina schweizeri)*

Vipera ursinii (except Vipera ursinii rakosiensis and Vipera ursinii macrops)

* *Vipera ursinii macrops*

* *Vipera ursinii rakosiensis*

AMPHIBIANS

CAUDATA

SALAMANDRIDAE

Chioglossa lusitanica

Mertensiella luschni (Salamandra luschni)

* *Salamandra aurorae (Salamandra atra aurorae)*

Salamandrina terdigitata
Triturus carnifex (*Triturus cristatus carnifex*)
Triturus cristatus (*Triturus cristatus cristatus*)
Triturus dobrogicus (*Triturus cristatus dobrogicus*)
Triturus karelinii (*Triturus cristatus karelinii*)
Triturus montandoni
Triturus vulgaris ampelensis

PROTEIDAE

* *Proteus anguinus*

PLETHODONTIDAE

Hydromantes (*Speleomantes*) *ambrosii*
Hydromantes (*Speleomantes*) *flavus*
Hydromantes (*Speleomantes*) *genei*
Hydromantes (*Speleomantes*) *imperialis*
Hydromantes (*Speleomantes*) *strinatii*
Hydromantes (*Speleomantes*) *supramontes*

ANURA**DISCOGLOSSIDAE**

* *Alytes muletensis*
Bombina bombina
Bombina variegata
Discoglossus galganoi (including *Discoglossus 'jeanneae'*)
Discoglossus montalentii
Discoglossus sardus

RANIDAE

Rana latastei

PELOBATIDAE

* *Pelobates fuscus insubricus*

FISH**PETROMYZONIFORMES****PETROMYZONIDAE**

Eudontomyzon spp. (o)
Lampetra fluviatilis (V) (except the Finnish and Swedish populations)
Lampetra planeri (o) (except the Estonian, Finnish, and Swedish populations)
Lethenteron zanandreae (V)
Petromyzon marinus (o) (except the Swedish populations)

ACIPENSERIFORMES**ACIPENSERIDAE**

* *Acipenser naccarii*
* *Acipenser sturio*

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CLUPEIFORMES

CLUPEIDAE

Alosa spp. (V)

SALMONIFORMES

SALMONIDAE

Hucho hucho (natural populations) (V)

Salmo macrostigma (o)

Salmo marmoratus (o)

Salmo salar (only in freshwater) (V) (except the Finnish populations)

COREGONIDAE

* *Coregonus oxyrhynchus* (anadromous populations in certain sectors of the North Sea)

UMBRIDAE

Umbra krameri (o)

CYPRINIFORMES

CYPRINIDAE

Alburnus albidus (o) (*Alburnus vulturius*)

Aulopyge huegelii (o)

Anaecypris hispanica

Aspius aspius (V) (except the Finnish populations)

Barbus comiza (V)

Barbus meridionalis (V)

Barbus plebejus (V)

Chalcalburnus chalcoides (o)

Chondrostoma genei (o)

Chondrostoma knerii (o)

Chondrostoma lusitanicum (o)

Chondrostoma phoximus (o)

Chondrostoma polylepis (o) (including *C. willkommi*)

Chondrostoma soetta (o)

Chondrostoma toxostoma (o)

Gobio albipinnatus (o)

Gobio kessleri (o)

Gobio uranoscopus (o)

Iberocypris palaciosi (o)

* *Ladigesocypris ghigii* (o)

Leuciscus lucumonis (o)

Leuciscus souffia (o)

Pelecus cultratus (V)

Phoxinellus spp. (o)

* *Phoxinus phoxinus*

Rhodeus sericeus amarus (o)

Rutilus pigus (V)

Rutilus rubilio (o)

Rutilus arcasii (o)

Rutilus macrolepidotus (o)

Rutilus lemmingii (o)

Rutilus frisii meidingeri (V)

Rutilus alburnoides (o)

Scardinius graecus (o)

Squalius svallize (o)

COBITIDAE

Cobitis elongata (o)

Cobitis taenia (o) (except the Finnish populations)

Cobitis trichonica (o)

Misgurnus fossilis (o)

Sabanejewia aurata (o)

Sabanejewia larvata (o) (*Cobitis larvata* and *Cobitis conspersa*)

SILURIFORMES

SILURIDAE

Silurus aristotelis (V)

ATHERINIFORMES

CYPRINODONTIDAE

Aphanius iberus (o)

Aphanius fasciatus (o)

* *Valencia hispanica*

* *Valencia letourneuxi* (*Valencia hispanica*)

PERCIFORMES

PERCIDAE

Gymnocephalus baloni

Gymnocephalus schraetzer (V)

* *Romanichthys valsanicola*

Zingel spp. ((o) except *Zingel asper* and *Zingel zingel* (V))

GOBIIDAE

Knipowitschia croatica (o)

Knipowitschia (*Padogobius*) *panizzae* (o)

Padogobius nigricans (o)

Pomatoschistus canestrini (o)

SCORPAENIFORMES

COTTIDAE

Cottus gobio (o) (except the Finnish populations)

Cottus petiti (o)

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INVERTEBRATES

ARTHROPODS

CRUSTACEA

DECAPODA

Austropotamobius pallipes (V)

* *Austropotamobius torrentium* (V)

ISOPOSA

* *Armadillidium ghardalamensis*

INSECTA

COLEOPTERA

Agathidium pulchellum (o)

Bolbelasmus unicornis

Boros schneideri (o)

Buprestis splendens

Carabus hampei

Carabus hungaricus

* *Carabus menetriesi pacholei*

* *Carabus olympiae*

Carabus variolosus

Carabus zawadzskii

Cerambyx cerdo

Corticaria planula (o)

Cucujus cinnaberinus

Dorcadion fulvum cervae

Duvalius gebhardti

Duvalius hungaricus

Dytiscus latissimus

Graphoderus bilineatus

Leptodirus hochenwarti

Limoniscus violaceus (o)

Lucanus cervus (o)

Macrolea pubipennis (o)

Mesosa myops (o)

Morimus funereus (o)

* *Osmoderma eremita*

Oxyporus mannerheimii (o)

Pilemia tigrina

* *Phryganophilus ruficollis*

Probaticus subrugosus

Propomacrus cypriacus

* *Pseudogaurotina excellens*

Pseudoseriscius cameroni

Pytho kolwensis

Rhysodes sulcatus (o)

* *Rosalia alpina*

Stephanopachys linearis (o)

Stephanopachys substriatus (o)

Xyletinus tremulicola (o)

HEMIPTERA

Aradus angularis (o)

LEPIDOPTERA

Agriades glandon aquilo (o)

Arytrura musculus

* *Callimorpha (Euplagia, Panaxia) quadripunctaria* (o)

Catopta thrips

Chondrosoma fiduciarium

Clossiana improba (o)

Coenonympha oedippus

Colias myrmidone

Cucullia mixta

Dioszeghyana schmidtii

Erannis ankeraria

Erebia calcaria

Erebia christi

Erebia medusa polaris (o)

Eriogaster catax

Euphydryas (Eurodryas, Hypodryas) aurinia (o)

Glyphipterix loricatella

Gortyna borelii lunata

Graellsia isabellae (V)

Hesperia comma catena (o)

Hypodryas maturna

Leptidea morsei

Lignyopectera fumidaria

Lycaena dispar

Lycaena helle

Maculinea nausithous

Maculinea teleius

Melanargia arge

* *Nymphalis vaualbum*

Papilio hospiton

Phyllometra culminaria

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Plebicula golgus
Polymixis rufocincta isolata
Polyommatus eroides
Proterebia afra dalmata
Pseudophilotes bavius
Xestia borealis (o)
Xestia brunneopicta (o)
 * *Xylomoia strix*

MANTODEA

Apteromantis aptera

ODONATA

Coenagrion hylas (o)
Coenagrion mercuriale (o)
Coenagrion ornatum (o)
Cordulegaster heros
Cordulegaster trinacriae
Gomphus graslinii
Leucorrhinia pectoralis
Lindenia tetraphylla
Macromia splendens
Ophiogomphus cecilia
Oxygastra curtisii

ORTHOPTERA

Baetica ustulata
Brachytrupes megacephalus
Isophya costata
Isophya harzi
Isophya stysi
Myrmecophilus baronii
Odontopodisma rubripes
Paracaloptenus caloptenoides
Pholidoptera transsylvanica
Stenobothrus (Stenobothrodes) eurasius

ARACHNIDA

Pseudoscorpiones

Anthrenochernes stellae (o)

MOLLUSCS

GASTROPODA

Anisus vorticulus
Caseolus calculus
Caseolus commixta

Caseolus sphaerula
Chilostoma banaticum
Discula leacockiana
Discula tabellata
Discus guerinianus
Elona quimperiana
Geomalacus maculosus
Geomitra moniziana
Gibbula nivosa
 * *Helicopsis striata austriaca* (o)
Hygromia kovacsi
Idiomela (Helix) subplicata
Lampedusa imitatrix
 * *Lampedusa melitensis*
Leiostyla abbreviata
Leiostyla cassida
Leiostyla corneocostata
Leiostyla gibba
Leiostyla lamellosa
 * *Paladilhia hungarica*
Sadleriana pannonica
Theodoxus transversalis
Vertigo angustior (o)
Vertigo genesii (o)
Vertigo geyeri (o)
Vertigo moulinsiana (o)

BIVALVIA**UNIONOIDA**

Margaritifera durrovensis (Margaritifera margaritifera) (V)
Margaritifera margaritifera (V)
Unio crassus

DREISSENIDAE

Congeria kuscerei

(b) PLANTS**PTERIDOPHYTA****ASPLENIACEAE**

Asplenium jahandiezii (Litard.) Rouy
Asplenium adulterinum Milde

BLECHNACEAE

Woodwardia radicans (L.) Sm.

DICKSONIACEAE

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Culcita macrocarpa C. Presl

DRYOPTERIDACEAE

Diplazium sibiricum (Turcz. ex Kunze) Kurata

* *Dryopteris corleyi* Fraser-Jenk.

Dryopteris fragans (L.) Schott

HYMENOPHYLLACEAE

Trichomanes speciosum Willd.

ISOETACEAE

Isoetes boryana Durieu

Isoetes malinverniana Ces. & De Not.

MARSILEACEAE

Marsilea batardae Launert

Marsilea quadrifolia L.

Marsilea strigosa Willd.

OPHIOGLOSSACEAE

Botrychium simplex Hitchc.

Ophioglossum polyphyllum A. Braun

GYMNOSPERMAE

PINACEAE

* *Abies nebrodensis* (Lojac.) Mattei

ANGIOSPERMAE

ALISMACEAE

* *Alisma wahlenbergii* (Holmberg) Juz.

Caldesia parnassifolia (L.) Parl.

Luronium natans (L.) Raf.

AMARYLLIDACEAE

Leucojum nicaeense Ard.

Narcissus asturiensis (Jordan) Pugsley

Narcissus calcicola Mendonça

Narcissus cyclamineus DC.

Narcissus fernandesii G. Pedro

Narcissus humilis (Cav.) Traub

* *Narcissus nevadensis* Pugsley

Narcissus pseudonarcissus L. subsp. *nobilis* (Haw.) A. Fernandes

Narcissus scaberulus Henriq.

Narcissus triandrus L. subsp. *capax* (Salisb.) D. A. Webb.

Narcissus viridiflorus Schousboe

ASCLEPIADACEAE

Vincetoxicum pannonicum (Borhidi) Holub

BORAGINACEAE

* *Anchusa crispa* Viv.

Echium russicum J.F.Gemlin

* *Lithodora nitida* (H. Ern) R. Fernandes

Myosotis lusitanica Schuster

Myosotis rehsteineri Wartm.

Myosotis retusifolia R. Afonso

Omphalodes kuzinskyanae Willk.

* *Omphalodes littoralis* Lehm.

* *Onosma tornensis* Javorka

Solenanthus albanicus (Degen & al.) Degen & Baldacci

* *Symphytum cycladense* Pawl.

CAMPANULACEAE

Adenophora lilifolia (L.) Ledeb.

Asyneuma giganteum (Boiss.) Bornm.

* *Campanula bohémica* Hruby

* *Campanula gelida* Kovanda

Campanula romanica Šävul.

* *Campanula sabatia* De Not.

* *Campanula serrata* (Kit.) Hendrych

Campanula zoysii Wulfen

Jasione crispa (Pourret) Samp. subsp. *serpentinica* Pinto da Silva

Jasione lusitanica A. DC.

CARYOPHYLLACEAE

Arenaria ciliata L. subsp. *pseudofrigida* Ostenf. & O.C. Dahl

Arenaria humifusa Wahlenberg

* *Arenaria nevadensis* Boiss. & Reuter

Arenaria provincialis Chater & Halliday

* *Cerastium alsinifolium* Tausch

Cerastium dinaricum G.Beck & Szysz.

Dianthus arenarius L. subsp. *arenarius*

* *Dianthus arenarius* subsp. *bohemicus* (Novak) O.Schwarz

Dianthus cintranus Boiss. & Reuter subsp. *cintranus* Boiss. & Reuter

* *Dianthus diutinus* Kit.

* *Dianthus lumnitzeri* Wiesb.

Dianthus marizii (Samp.) Samp.

* *Dianthus moravicus* Kovanda

* *Dianthus nitidus* Waldst. et Kit.

Dianthus plumarius subsp. *regis-stephani* (Rapcs.) Baksay

Dianthus rupicola Biv.

* *Gypsophila papillosa* P. Porta

Herniaria algarvica Chaudhri

* *Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis

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Herniaria lusitanica (Chaudhri) subsp. *berlengiana* Chaudhri

Herniaria maritima Link

* *Minuartia smejkalii* Dvorakova

Moehringia jankae Griseb. ex Janka

Moehringia lateriflora (L.) Fenzl.

Moehringia tommasinii Marches.

Moehringia villosa (Wulfen) Fenzl

Petrocoptis grandiflora Rothm.

Petrocoptis montsicciana O. Bolos & Rivas Mart.

Petrocoptis pseudoviscosa Fernandez Casas

Silene furcata Rafin. subsp. *angustiflora* (Rupr.) Walters

* *Silene hicesiae* Brullo & Signorello

Silene hifacensis Rouy ex Willk.

* *Silene holzmanii* Heldr. ex Boiss.

Silene longicilia (Brot.) Otth.

Silene mariana Pau

* *Silene orphanidis* Boiss

* *Silene rothmaleri* Pinto da Silva

* *Silene velutina* Pourret ex Loisel.

CHENOPODIACEAE

* *Bassia (Kochia) saxicola* (Guss.) A. J. Scott

* *Cremnophyton lanfrancoi* Brullo et Pavone

* *Salicornia veneta* Pignatti & Lausi

CISTACEAE

Cistus palhinhae Ingram

Halimium verticillatum (Brot.) Sennen

Helianthemum alypoides Losa & Rivas Goday

Helianthemum caput-felis Boiss.

* *Tuberaria major* (Willk.) Pinto da Silva & Rozeira

COMPOSITAE

* *Anthemis glaberrima* (Rech. f.) Greuter

Artemisia campestris L. subsp. *bottnica* A.N. Lundström ex Kindb.

* *Artemisia granatensis* Boiss.

* *Artemisia laciniata* Willd.

Artemisia oelandica (Besser) Komaror

* *Artemisia pancicii* (Janka) Ronn.

* *Aster pyrenaicus* Desf. ex DC

* *Aster sorrentinii* (Tod) Lojac.

Carlina onopordifolia Besser

* *Carduus myriacanthus* Salzm. ex DC.

* *Centaurea alba* L. subsp. *heldreichii* (Halacsy) Dostal

- * *Centaurea alba* L. subsp. *princeps* (Boiss. & Heldr.) Gugler
- * *Centaurea akamantis* T. Georgiadis & G. Chatzikyriakou
- * *Centaurea attica* Nyman subsp. *megarensis* (Halacsy & Hayek) Dostal
- * *Centaurea balearica* J. D. Rodriguez
- * *Centaurea borjae* Valdes-Berm. & Rivas Goday
- * *Centaurea citricolor* Font Quer
- Centaurea corymbosa* Pourret
- Centaurea gadorensis* G. Blanca
- * *Centaurea horrida* Badaro
- Centaurea immanuelis-loewii* Degen
- Centaurea jankae* Brandza
- * *Centaurea kalambakensis* Freyn & Sint.
- Centaurea kartschiana* Scop.
- * *Centaurea lactiflora* Halacsy
- Centaurea micrantha* Hoffmanns. & Link subsp. *herminii* (Rouy) Dostál
- * *Centaurea niederi* Heldr.
- * *Centaurea peucedanifolia* Boiss. & Orph.
- * *Centaurea pinnata* Pau
- Centaurea pontica* Prodan & E. I. Nyàrády
- Centaurea pulvinata* (G. Blanca) G. Blanca
- Centaurea rothmalerana* (Arènes) Dostál
- Centaurea vicentina* Mariz
- Cirsium brachycephalum* Juratzka
- * *Crepis crocifolia* Boiss. & Heldr.
- Crepis granatensis* (Willk.) B. Blanca & M. Cueto
- Crepis pusilla* (Sommier) Merxmüller
- Crepis tectorum* L. subsp. *nigrescens*
- Erigeron frigidus* Boiss. ex DC.
- * *Helichrysum melitense* (Pignatti) Brullo et al
- Hymenostemma pseudanthemis* (Kunze) Willd.
- Hyoseris frutescens* Brullo et Pavone
- * *Jurinea cyanoides* (L.) Reichenb.
- * *Jurinea fontqueri* Cuatrec.
- * *Lamyropsis microcephala* (Moris) Dittrich & Greuter
- Leontodon microcephalus* (Boiss. ex DC.) Boiss.
- Leontodon boryi* Boiss.
- * *Leontodon siculus* (Guss.) Finch & Sell
- Leuzea longifolia* Hoffmanns. & Link
- Ligularia sibirica* (L.) Cass.
- * *Palaeocyanus crassifolius* (Bertoloni) Dostal
- Santolina impressa* Hoffmanns. & Link

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Santolina semidentata Hoffmanns. & Link*Saussurea alpina* subsp. *esthonica* (Baer ex Rupr) Kupffer* *Senecio elodes* Boiss. ex DC.*Senecio jacobea* L. subsp. *gotlandicus* (Neuman) Sterner*Senecio nevadensis* Boiss. & Reuter* *Serratula lycopifolia* (Vill.) A. Kern*Tephrosieris longifolia* (Jacq.) Griseb et Schenk subsp. *moravica*

CONVOLVULACEAE

* *Convolvulus argyrothamnus* Greuter* *Convolvulus fernandesii* Pinto da Silva & Teles

CRUCIFERAE

Alyssum pyrenaicum Lapeyr.* *Arabis kennedyae* Meikle*Arabis sadina* (Samp.) P. Cout.*Arabis scopoliana* Boiss* *Biscutella neustriaca* Bonnet*Biscutella vincentina* (Samp.) Rothm.*Boleum asperum* (Pers.) Desvaux*Brassica glabrescens* Poldini*Brassica hilarionis* Post*Brassica insularis* Moris* *Brassica macrocarpa* Guss.*Braya linearis* Rouy* *Cochlearia polonica* E. Fröhlich* *Cochlearia tatrae* Borbas* *Coincya rupestris* Rouy* *Coronopus navasii* Pau*Crambe tataria* Sebeok*Degenia velebitica* (Degen) Hayek*Diplotaxis ibicensis* (Pau) Gomez-Campo* *Diplotaxis siettiana* Maire*Diplotaxis vicentina* (P. Cout.) Rothm.*Draba cacuminum* Elis Ekman*Draba cinerea* Adams*Draba dorneri* Heuffel.*Erucastrum palustre* (Pirona) Vis.* *Erysimum pieninicum* (Zapal.) Pawl.* *Iberis arbuscula* Runemark*Iberis procumbens* Lange subsp. *microcarpa* Franco & Pinto da Silva* *Jonopsidium acaule* (Desf.) Reichenb.*Jonopsidium savianum* (Caruel) Ball ex Arcang.

Rhynchosinapis erucastrum (L.) Dandy ex Clapham subsp. *cintrana* (Coutinho) Franco & P. Silva (*Coincya cintrana* (P. Cout.) Pinto da Silva)

Sisymbrium cavanillesianum Valdes & Castroviejo

Sisymbrium supinum L.

Thlaspi jankae A. Kern.

CYPERACEAE

Carex holostoma Drejer

* *Carex panormitana* Guss.

Eleocharis carniolica Koch

DIOSCOREACEAE

* *Borderea chouardii* (Gaussen) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

ELATINACEAE

Elatine gussonei (Sommier) Brullo et al

ERICACEAE

Rhododendron luteum Sweet

EUPHORBIACEAE

* *Euphorbia margalidiana* Kuhbier & Lewejohann

Euphorbia transtagana Boiss.

GENTIANACEAE

* *Centaurium rigualii* Esteve

* *Centaurium somedanum* Lainz

Gentiana ligustica R. de Vilm. & Chopinet

Gentianella anglica (Pugsley) E. F. Warburg

* *Gentianella bohémica* Skalicky

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter

Erodium paularense Fernandez-Gonzalez & Izco

* *Erodium rupicola* Boiss.

GLOBULARIACEAE

* *Globularia stygia* Orph. ex Boiss.

GRAMINEAE

Arctagrostis latifolia (R. Br.) Griseb.

Arctophila fulva (Trin.) N. J. Anderson

Avenula hackelii (Henriq.) Holub

Bromus grossus Desf. ex DC.

Calamagrostis chalybaea (Laest.) Fries

Cinna latifolia (Trev.) Griseb.

Coleanthus subtilis (Tratt.) Seidl

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Festuca brigantina (Markgr.-Dannenb.) Markgr.-Dannenb.*Festuca duriotagana* Franco & R. Afonso*Festuca elegans* Boiss.*Festuca henriquesii* Hack.*Festuca summilusitana* Franco & R. Afonso*Gaudinia hispanica* Stace & Tutin*Holcus setiglumis* Boiss. & Reuter subsp. *duriensis* Pinto da Silva*Micropyropsis tuberosa* Romero - Zarco & Cabezudo*Poa granitica* Br.-Bl. subsp. *disparilis* (E.I.Nyárády)* *Poa riphaea* (Ascher et Graebner) Fritsch*Pseudarrhenatherum pallens* (Link) J. Holub*Puccinellia phryganodes* (Trin.) Scribner + Merr.*Puccinellia pungens* (Pau) Paunero* *Stipa austroitalica* Martinovsky* *Stipa bavarica* Martinovsky & H. Scholz*Stipa danubialis* Dihoru & Roman* *Stipa styriaca* Martinovsky* *Stipa veneta* Moraldo* *Stipa zalesskii* Wilensky*Trisetum subalpestre* (Hartman) Neuman

GROSSULARIACEAE

* *Ribes sardoum* Martelli

HIPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

* *Hypericum aciferum* (Greuter) N.K.B. Robson

IRIDACEAE

Crocus cyprius Boiss. et Kotschy*Crocus hartmannianus* Holmboe*Gladiolus palustris* Gaud.*Iris aphylla* L. subsp. *hungarica* Hegi*Iris humilis* Georgi subsp. *arenaria* (Waldst. et Kit.) A. et D. Löve

JUNCACEAE

Juncus valvatus Link*Luzula arctica* Blytt

LABIATAE

Dracocephalum austriacum L.* *Micromeria taygetea* P. H. Davis*Nepeta dirphya* (Boiss.) Heldr. ex Halacsy* *Nepeta sphaciotica* P. H. Davis*Origanum dictamnus* L.

Phlomis brevibracteata Turril
Phlomis cypria Post
Salvia veneris Hedge
Sideritis cypria Post
Sideritis incana subsp. *glauca* (Cav.) Malagarriaga
Sideritis javalambrensis Pau
Sideritis serrata Cav. ex Lag.
Teucrium lepicephalum Pau
Teucrium turredanum Losa & Rivas Goday
 * *Thymus camphoratus* Hoffmanns. & Link
Thymus carnosus Boiss.
 * *Thymus lotocephalus* G. López & R. Morales (*Thymus cephalotos* L.)

LEGUMINOSAE

Anthyllis hystrix Cardona, Contandr. & E. Sierra
 * *Astragalus algarbiensis* Coss. ex Bunge
 * *Astragalus aquilanus* Anzalone
Astragalus centralpinus Braun-Blanquet
 * *Astragalus macrocarpus* DC. subsp. *lefkarensis*
 * *Astragalus maritimus* Moris
Astragalus peterfii Jáv.
Astragalus tremolsianus Pau
 * *Astragalus verrucosus* Moris
 * *Cytisus aeolicus* Guss. ex Lindl.
Genista dorycnifolia Font Quer
Genista holopetala (Fleischm. ex Koch) Baldacci
Melilotus segetalis (Brot.) Ser. subsp. *fallax* Franco
 * *Ononis hackelii* Lange
Trifolium saxatile All.
 * *Vicia bifoliolata* J.D. Rodriguez

LENTIBULARIACEAE

* *Pinguicula crystallina* Sm.
Pinguicula nevadensis (Lindb.) Casper

LILIACEAE

Allium grosii Font Quer
 * *Androcymbium rechingeri* Greuter
 * *Asphodelus bento-rainhae* P. Silva
 * *Chionodoxa lochiaie* Meikle in Kew Bull.
Colchicum arenarium Waldst. et Kit.
Hyacinthoides vicentina (Hoffmans. & Link) Rothm.
 * *Muscari gussonei* (Parl.) Tod.
Scilla litardierei Breist.

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* *Scilla morrisii* Meikle

Tulipa cypria Stapf

Tulipa hungarica Borbas

LINACEAE

* *Linum dolomiticum* Borbas

* *Linum muelleri* Moris (*Linum maritimum muelleri*)

LYTHRACEAE

* *Lythrum flexuosum* Lag.

MALVACEAE

Kosteletzkya pentacarpos (L.) Ledeb.

NAJADACEAE

Najas flexilis (Willd.) Rostk. & W.L. Schmidt

Najas tenuissima (A. Braun) Magnus

OLEACEAE

Syringa josikaea Jacq. Fil. ex Reichenb.

ORCHIDACEAE

Anacamptis urvilleana Sommier et Caruana Gatto

Calypso bulbosa L.

* *Cephalanthera cucullata* Boiss. & Heldr.

Cypripedium calceolus L.

Dactylorhiza kalopissii E.Nelson

Gymnigritella runei Teppner & Klein

Himantoglossum adriaticum Baumann

Himantoglossum caprinum (Bieb.) V. Koch

Liparis loeselii (L.) Rich.

* *Ophrys kotschyi* H. Fleischm. et Soo

* *Ophrys lunulata* Parl.

Ophrys melitensis (Salkowski) J et P Devillers-Terschuren

Platanthera obtusata (Pursh) subsp. *oligantha* (Turez.) Hulten

OROBANCHACEAE

Orobanche densiflora Salzm. ex Reut.

PAEONIACEAE

Paeonia cambessedesii (Willk.) Willk.

Paeonia clusii F.C. Stern subsp. *rhodia* (Stearn) Tzanoudakis

Paeonia officinalis L. subsp. *banatica* (Rachel) Soo

Paeonia parnassica Tzanoudakis

PALMAE

Phoenix theophrasti Greuter

PAPAVERACEAE

Corydalis gotlandica Lidén

Papaver laestadianum (Nordh.) Nordh.

Papaver radicum Rottb. subsp. *hyperboreum* Nordh.

PLANTAGINACEAE

Plantago algarbiensis Sampaio (*Plantago bracteosa* (Willk.) G. Sampaio)

Plantago almogravensis Franco

PLUMBAGINACEAE

Armeria berlengensis Daveau

* *Armeria helodes* Martini & Pold

Armeria neglecta Girard

Armeria pseudarmeria (Murray) Mansfeld

* *Armeria rouyana* Daveau

Armeria soleirolii (Duby) Godron

Armeria velutina Welw. ex Boiss. & Reuter

Limonium dodartii (Girard) O. Kuntze subsp. *lusitanicum* (Daveau) Franco

* *Limonium insulare* (Beg. & Landi) Arrig. & Diana

Limonium lanceolatum (Hoffmans. & Link) Franco

Limonium multiflorum Erben

* *Limonium pseudolaetum* Arrig. & Diana

* *Limonium strictissimum* (Salzmann) Arrig.

POLYGONACEAE

Persicaria foliosa (H. Lindb.) Kitag.

Polygonum praelongum Coode & Cullen

Rumex rupestris Le Gall

PRIMULACEAE

Androsace mathildae Levier

Androsace pyrenaica Lam.

* *Cyclamen fatrense* Halda et Sojak

* *Primula apennina* Widmer

Primula carniolica Jacq.

Primula nutans Georgi

Primula palinuri Petagna

Primula scandinavica Bruun

Soldanella villosa Darracq.

RANUNCULACEAE

* *Aconitum corsicum* Gayer (*Aconitum napellus* subsp. *corsicum*)

Aconitum firmum (Reichenb.) Neir subsp. *moravicum* Skalicky

Adonis distorta Ten.

Aquilegia bertolonii Schott

Aquilegia kitaibelii Schott

* *Aquilegia pyrenaica* D.C. subsp. *cazorlensis* (Heywood) Galiano

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- * *Consolida samia* P.H. Davis
- * *Delphinium caseyi* B.L.Burt
- Pulsatilla grandis* Wenderoth
- Pulsatilla patens* (L.) Miller
- * *Pulsatilla pratensis* (L.) Miller subsp. *hungarica* Soo
- * *Pulsatilla slavica* G. Reuss.
- * *Pulsatilla subslavica* Futak ex Goliasova
- Pulsatilla vulgaris* Hill. subsp. *gotlandica* (Johanss.) Zaemelis & Paegle
- Ranunculus kykkoensis* Meikle
- Ranunculus lapponicus* L.
- * *Ranunculus weyleri* Mares

RESEDACEAE

- * *Reseda decursiva* Forssk.

ROSACEAE

- Agrimonia pilosa* Ledebour
- Potentilla delphinensis* Gren. & Godron
- Potentilla emilii-popii* Nyárády
- * *Pyrus magyarica* Terpo
- Sorbus teodorii* Liljefors

RUBIACEAE

- Galium cracoviense* Ehrend.
- * *Galium litorale* Guss.
- Galium moldavicum* (Dobrescu) Franco
- * *Galium sudeticum* Tausch
- * *Galium viridiflorum* Boiss. & Reuter

SALICACEAE

- Salix salvifolia* Brot. subsp. *australis* Franco

SANTALACEAE

- Thesium ebracteatum* Hayne

SAXIFRAGACEAE

- Saxifraga berica* (Beguinot) D.A. Webb
- Saxifraga florulenta* Moretti
- Saxifraga hirculus* L.
- Saxifraga osloënsis* Knaben
- Saxifraga tombeanensis* Boiss. ex Engl.

SCROPHULARIACEAE

- Antirrhinum charidemi* Lange
- Chaenorrhinum serpyllifolium* (Lange) Lange subsp. *lusitanicum* R. Fernandes
- * *Euphrasia genargentea* (Feoli) Diana
- Euphrasia marchesettii* Wettst. ex Marches.

Linaria algarviana Chav.
Linaria coutinhoi Valdés
Linaria loeselii Schweigger
* *Linaria ficalhoana* Rouy
Linaria flava (Poiret) Desf.
* *Linaria hellenica* Turrill
Linaria pseudolaxiflora Lojacono
* *Linaria ricardoi* Cout.
Linaria tonzigii Lona
* *Linaria tursica* B. Valdes & Cabezudo
Odontites granatensis Boiss.
* *Pedicularis sudetica* Willd.
Rhinanthus oesilensis (Ronninger & Saarsoo) Vassilcz
Tozzia carpathica Wol.
Verbascum litigiosum Samp.
Veronica micrantha Hoffmanns. & Link
* *Veronica oetaea* L.-A. Gustavsson

SOLANACEAE

* *Atropa baetica* Willk.

THYMELAEACEAE

* *Daphne arbuscula* Celak
Daphne petraea Leybold
* *Daphne rodriguezii* Texidor

ULMACEAE

Zelkova abelicea (Lam.) Boiss.

UMBELLIFERAE

* *Angelica heterocarpa* Lloyd
Angelica palustris (Besser) Hoffm.
* *Apium bermejoi* Llorens
Apium repens (Jacq.) Lag.
Athamanta cortiana Ferrarini
* *Bupleurum capillare* Boiss. & Heldr.
* *Bupleurum kakiskalae* Greuter
Eryngium alpinum L.
* *Eryngium viviparum* Gay
* *Ferula sadleriana* Lebed.
Hladnikia pastinacifolia Reichenb.
* *Laserpitium longiradium* Boiss.
* *Naufraja balearica* Constans & Cannon
* *Oenanthe conioides* Lange
Petagnia saniculifolia Guss.

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Rouya polygama (Desf.) Coincy* *Seseli intricatum* Boiss.*Seseli leucospermum* Waldst. et Kit*Thorella verticillatinundata* (Thore) Briq.

VALERIANACEAE

Centranthus trinervis (Viv.) Beguinot

VIOLACEAE

Viola delphinantha Boiss.* *Viola hispida* Lam.*Viola jaubertiana* Mares & Vigineix*Viola rupestris* F.W. Schmidt subsp. *relicta* Jalas

LOWER PLANTS

BRYOPHYTA

Bruchia vogesiaca Schwaegr. (o)*Bryhnia novae-angliae* (Sull & Lesq.) Grout (o)* *Bryoerythrophyllum campylocarpum* (C. Müll.) Crum.
(*Bryoerythrophyllum machadoanum* (Sergio) M. O. Hill)) (o)*Buxbaumia viridis* (Moug.) Moug. & Nestl. (o)*Cephalozia macounii* (Aust.) Aust. (o)*Cynodontium suecicum* (H. Arn. & C. Jens.) I. Hag. (o)*Dichelyma capillaceum* (Dicks) Myr. (o)*Dicranum viride* (Sull. & Lesq.) Lindb. (o)*Distichophyllum carinatum* Dix. & Nich. (o)*Drepanocladus (Hamatocaulis) vernicosus* (Mitt.) Warnst. (o)*Encalypta mutica* (I. Hagen) (o)*Hamatocaulis lapponicus* (Norrl.) Hedenäs (o)*Herzogiella turfacea* (Lindb.) I. Wats. (o)*Hygrohypnum montanum* (Lindb.) Broth. (o)*Jungermannia handelii* (Schiffn.) Amak. (o)*Mannia triandra* (Scop.) Grolle (o)* *Marsupella profunda* Lindb. (o)*Meesia longiseta* Hedw. (o)*Nothothylas orbicularis* (Schwein.) Sull. (o)*Ochyraea tatrensis* Vana (o)*Orthothecium lapponicum* (Schimp.) C. Hartm. (o)*Orthotrichum rogeri* Brid. (o)*Petalophyllum ralfsii* (Wils.) Nees & Gott. (o)*Plagiomnium drummondii* (Bruch & Schimp.) T. Kop. (o)*Riccia breidleri* Jur. (o)*Riella helicophylla* (Bory & Mont.) Mont. (o)*Scapania massolongi* (K. Müll.) K. Müll. (o)

Sphagnum pylaisii Brid. (o)

Tayloria rudolphiana (Garov) B. & S. (o)

Tortella rigens (N. Alberts) (o)

SPECIES FOR MACARONESIA

PTERIDOPHYTA

HYMENOPHYLLACEAE

Hymenophyllum maderensis Gibby & Lovis

DRYOPTERIDACEAE

**Polystichum drepanum* (Sw.) C.Presl.

ISOETACEAE

Isoetes azorica Durieu & Paiva ex Milde

MARSILEACEAE

**Marsilea azorica* Launert & Paiva

ANGIOSPERMAE

ASCLEPIADACEAE

Caralluma burchardii N.E.Brown

**Ceropegia chrysantha* Svent.

BORAGINACEAE

Echium candicans L.fil.

**Echium gentianoides* Webb & Coincy

Myosotis azorica H.C.Watson

Myosotis maritima Hochst. in Seub.

CAMPANULACEAE

**Azorina vidalii* (H.C.Watson) Feer

Musschia aurea (L.f.) DC.

**Musschia wollastonii* Lowe

CAPRIFOLIACEAE

**Sambucus palmensis* Link

CARYOPHYLLACEAE

Spergularia azorica (Kindb.) Lebel

CELASTRACEAE

Maytenus umbellata (R.Br.) Mabb.

CHENOPODIACEAE

Beta patula Ait.

CISTACEAE

Cistus chinamadensis Banares & Romero

**Helianthemum bystropogophyllum* Svent.

COMPOSITAE

Andryala crithmifolia Ait.

**Argyranthemum lidii* Humphries

Argyranthemum thalassophyllum (Svent.) Hump.

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Argyranthemum winterii (Svent.) Humphries
 **Atractylis arbuscula* Svent. & Michaelis
Atractylis preauxiana Schultz.
Calendula maderensis DC.
Cheirolophus duranii (Burchard) Holub
Cheirolophus ghomerytus (Svent.) Holub
Cheirolophus junonianus (Svent.) Holub
Cheirolophus massonianus (Lowe) Hansen & Sund.
Cirsium latifolium Lowe
Helichrysum gossypinum Webb
Helichrysum monogynum Burt & Sund.
Hypochoeris oligocephala (Svent. & Bramw.) Lack
 **Lactuca watsoniana* Trel.
 **Onopordum nogalesii* Svent.
 **Onopordum carduelinum* Bolle
 **Pericallis hadrosoma* (Svent.) B.Nord.
Phagnalon benettii Lowe
Stemmacantha cynaroides (Chr. Son. in Buch) Ditt
Sventenia bupleuroides Font Quer
 **Tanacetum ptarmiciflorum* Webb & Berth

CONVOLVULACEAE

**Convolvulus caput-medusae* Lowe
 **Convolvulus lopez-socasii* Svent.
 **Convolvulus massonii* A.Dietr.

CRASSULACEAE

Aeonium gomeraense Praeger
Aeonium saundersii Bolle
Aichryson dumosum (Lowe) Praeg.
Monanthes wildpretii Banares & Scholz
Sedum brissemoretii Raymond-Hamet

CRUCIFERAE

**Crambe arborea* Webb ex Christ
Crambe laevigata DC. ex Christ
 **Crambe sventenii* R. Petters ex Bramwell & Sund.
 **Parolinia schizogynoides* Svent.
Sinapidendron rupestre (Ait.) Lowe

CYPERACEAE

Carex malato-belizii Raymond

DIPSACACEAE

Scabiosa nitens Roemer & J. A. Schultes

ERICACEAE

Erica scoparia L. subsp. *azorica* (Hochst.) D. A. Webb

EUPHORBIACEAE

**Euphorbia handiensis* Burchard

Euphorbia lambii Svent.

Euphorbia stygiana H. C. Watson

GERANIACEAE

**Geranium maderense* P. F. Yeo

GRAMINEAE

Deschampsia maderensis (Haeck. & Born.) Buschm.

Phalaris maderensis (Menezes) Menezes

GLOBULARIACEAE

**Globularia ascanii* D. Bramwell & Kunkel

**Globularia sarcophylla* Svent.

LABIATAE

**Sideritis cystosiphon* Svent.

**Sideritis discolor* (Webb ex de Noe) Bolle

Sideritis infernalis Bolle

Sideritis marmorea Bolle

Teucrium abutiloides L'Hér.

Teucrium betonicum L'Hér.

LEGUMINOSAE

**Anagyris latifolia* Brouss. ex. Willd.

Anthyllis lemanniana Lowe

**Dorycnium spectabile* Webb & Berthel

**Lotus azoricus* P. W. Ball

Lotus callis-viridis D. Bramwell & D. H. Davis

**Lotus kunkelii* (E. Chueca) D. Bramwell & al.

**Teline rosmarinifolia* Webb & Berthel.

**Teline salsoloides* Arco & Acebes.

Vicia dennesiana H. C. Watson

LILIACEAE

**Androcymbium psammophilum* Svent.

Scilla maderensis Menezes

Semele maderensis Costa

LORANTHACEAE

Arceuthobium azoricum Wiens & Hawksw.

MYRICACEAE

**Myricarivas-martinezii* Santos.

OLEACEAE

Jasminum azoricum L.

Picconia azorica (Tutin) Knobl.

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ORCHIDACEAE

Goodyera macrophylla Lowe

PITTOSPORACEAE

**Pittosporum coriaceum* Dryand. ex. Ait.

PLANTAGINACEAE

Plantagomalato-belizii Lawalree

PLUMBAGINACEAE

Limonium arborescens* (Brouss.) Kuntze*Limonium dendroides* Svent.Limonium spectabile* (Svent.) Kunkel & Sunding**Limonium sventenii* Santos & Fernández Galván

POLYGONACEAE

Rumex azoricus Rech. fil.

RHAMNACEAE

Frangula azorica Tutin

ROSACEAE

Bencomia brachystachya* Svent.*Bencomia sphaerocarpa* Svent.Chamaemeles coriacea* Lindl.*Dendriopoterium pulidoi* Svent.*Marcetella maderensis* (Born.) Svent.*Prunus lusitanica* L. subsp. *azorica* (Mouillef.) Franco*Sorbus maderensis* (Lowe) Dode

SANTALACEAE

Kunkeliella subsucculenta Kammer

SCROPHULARIACEAE

Euphrasia azorica* H. C. Watson*Euphrasia grandiflora* Hochst. in Seub.Isoplexis chalcantha* Svent. & O'Shanahan*Isoplexis isabelliana* (Webb & Berthel.) Masferrer*Odontites holliana* (Lowe) Benth.*Sibthorpia peregrina* L.

SOLANACEAE

**Solanum lidii* Sunding

UMBELLIFERAE

Ammi trifoliatum (H. C. Watson) Trelease*Bupleurum handiense* (Bolle) Kunkel*Chaerophyllum azoricum* Trelease*Ferula latipinna* Santos*Melanoselinum decipiens* (Schrader & Wendl.) Hoffm.*Monizia edulis* Lowe

Oenanthe divaricata (R. Br.) Mabb.

Sanicula azorica Guthnick ex Seub.

VIOLACEAE

Viola paradoxa Lowe

LOWER PLANTS

BRYOPHYTA

**Echinodium spinosum* (Mitt.) Jur. (o)

**Thamnobryum fernandesii* Sergio (o)."

4. Schedule III to the principal regulations shall be substituted by the following new schedule:

Substitutes
Schedule III to
the principal
regulations.

"SCHEDULE III

ANIMAL AND PLANT SPECIES OF NATIONAL INTEREST WHOSE CONSERVATION REQUIRES THE DESIGNATION OF SPECIAL AREAS OF CONSERVATION

Interpretation

(a) Schedule III follows on from Schedule I for the establishment of a consistent network of special areas of conservation of national importance.

(b) The species listed in this Schedule are indicated:

- by the Scientific name of the species or subspecies, accompanied, where available, by Maltese and English vernacular names of the said species or subspecies, or
- by all the species belonging to a higher taxon or to a designated part of that taxon.

Where required, scientific synonyms of each species or lower taxon are included in square brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

Other references to taxa higher than genus and/or species are for the purposes of information or classification only.

(c) A number of scientific names are followed by the abbreviations 'auct. fl. Melit.' which refers to the scientific name(s) with which that particular taxon is and/or was recorded in Maltese biodiversity literature; this scientific name is also of legal value, since in some cases, it represents the only reference to species whose proper scientific identification is still uncertain.

(d) Symbols and Abbreviations

- The abbreviation 'spp.' after the name of a family or genus designates all the species belonging to that family or genus.
- The abbreviation "(s.l.)", meaning '*sensu lato*' is used to indicate that the scientific name is used in its most extended meaning.

(a) ANIMALS

VERTEBRATES

MAMMALS

INSECTIVORA

Crocidura sicula

Ġurdien ta' Halqu Twil; Sicilian Shrew

Ġurdien tal-Munqar;

Ġurdien tal-Geddum Twil

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CHIROPTERA**Vespertilionidae**

<i>Myotis</i>	<i>punicus</i>	Farfett il-Lejl	Mouse-Eared Bat
[= <i>Myotis</i> <i>punicus</i>]	<i>blythii</i>	Widnet il-Ġurdien	

SAURIA**Lacertidae**

<i>Podarcis</i>	<i>filfolensis</i>	Gremxula ta' Filfla	Filfolia Wall Lizard
<i>filfolensis</i>			
<i>Podarcis</i>	<i>filfolensis</i>	Gremxula ta' Haġret il-General	Fungus Rock Wall Lizard
<i>generalensis</i>			
<i>Podarcis</i>	<i>filfolensis</i>	Gremxula tal-Gzejjer	St. Paul's Island Wall Lizard
<i>kieselbachi</i>			

INVERTEBRATES**ARTHROPODS****CRUSTACEA****DECAPODA**

<i>Potamon</i>	<i>fluviatile</i>	Qabru; Granċ tal-Ilma Helu	Maltese Freshwater Crab
<i>lanfrancoi</i>			

INSECTA**COLEOPTERA**

<i>Alaocyba</i>	<i>melitensis</i>	Bumunqar Ghama ta' Malta	Maltese Blind Weevil
<i>Amaurops</i>	<i>mifsudi</i>	Psefalida Ghamja ta' Malta	Maltese Blind Psephalid
<i>Othiorynchus</i>		Bumunqar tar-Ramla	Maltese Sand Weevil
(<i>Arammichnus</i>)			
<i>ovatulus</i>			

MOLLUSCA**GASTROPODA**

<i>Dendropoma</i>	<i>petraeum</i>	Bebbuxu tal-Blat	Vermetid Snail
<i>Trochoidea</i>	<i>gharlapsi</i>	Żugraga tal-Irdum	Cliff Top-Snail
<i>Trochoidea</i>	<i>spratti</i>	Żugraga tal-Imtahleb	Mtahleb Top-Snail
<i>cucullus</i>	[= <i>T. cucullus</i> ; <i>Helicella cucullus</i> ; <i>Xerophila cucullus</i>]		
<i>Trochoidea</i>	<i>spratti</i>	Żugraga ta' Filfla	Filfolia Top-Snail
<i>despotti</i>	[= <i>T. despotti</i> ; <i>T. pyramidata despotti</i> , <i>Helicella pyramidata despotti</i>]		

BIVALVIA

<i>Pisidium</i> spp.	Arzell ta' l-Ilma Helu	Pea-Mussels
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(b) PLANTS**RHODOPHYTA**

<i>Lithothamnion coralloides</i> (P.L. Crouan & H.M. Crouan) P.L. Crouan & H.M. Crouan [= <i>Mesophyllum corallioides</i> (P.L. Crouan & H.M. Crouan) Lemoine]	Korallina tar-Ramel Haj	Maerl Coralline Alga
<i>Lithothamnion minervae</i> Basso	Korallina tar-Ramel Haj	Maerl Coralline Alga
<i>Phymatholithon calcareum</i> (Poll.) Adey & McKibbin [= <i>Lithothamnion polymorphum</i> (L.) Areschoug, <i>Lithothamnion calcareum</i> (Pallas) Areschoug in J.Agardh]	Korallina tar-Ramel Haj	Maerl Coralline Alga
FUCOPHYTA		
<i>Cystoseira</i> spp. except <i>Cistosejri</i>		Sea-Firs
<i>Cystoseira compressa</i>		
PINOPHYTA		
Cupressaceae		
<i>Tetraclinis articulata</i> (Vahl) Masters [= <i>Gharghar</i>]	Gharghar/ Sigra tal-	Araar Tree; Alerce; Sandarac Gum Tree
<i>Callitris quadrivalvis</i> Venten. ex Rich.]		
MAGNOLIOPHYTA		
Alliaceae		
<i>Allium lojaconoi</i> Brullo, Lanfranco et Pavone [= <i>Allium parciflorum</i> auct. fl. Melit non Viviani]	Tewm Irqiq ta' Malta	Maltese Dwarf Garlic
Anacardiaceae		
<i>Pistacia terebinthus</i> L.	Skornabekk; Terebintu Trementina; Sigra tat-Turpentina	Terebinth; Turpentine Tree
<i>Rhus coriaria</i> L.	Xumakk tal-Konz	Common Sumach
Asteraceae (= Compositae)		
<i>Otanthus maritimus</i> (L.) Hoffmannsegg et Link [= <i>Diotis candidissima</i> Desfontaines]	Santolina tar-Ramel; Bajda tar-Ramel	Cottonweed; Sea Cudweed

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<i>Matricaria aurea</i> (Loefling) Schultz Bipontinus [= <i>Chamomilla aurea</i> (Loefling) Gay ex Coss. et Kralik]	Kamumella Nana	Rayless Mayweed
Brassicaceae (= Cruciferae)		
<i>Matthiola incana</i> (L.) R. Brown subsp. <i>melitensis</i> Brullo, Lanfranco, Pavone et Ronsisvalle	Ġizi ta' Malta	Maltese Stocks
Cistaceae		
<i>Cistus</i> spp.	Borghom; Ċisti	Rock-Roses
Convolvulaceae		
<i>Convolvulus oleifolius</i> Desrousseaux s.l.	Leblieb tal-Irdum	Olive-Leaved Bindweed
Cymodoceaceae		
<i>Cymodocea nodosa</i> (Ucria) Ascherson [= <i>Zostera nodosa</i> Ucria]	Alka Rqiqu; Ċimodoċja	Lesser Neptune-Grass
Ericaceae		
<i>Erica multiflora</i> L.	Erika; Issopu; Savina; Saghtar Ahmar; Lehjet ix-Xih	Mediterranean Heath
Euphorbiaceae		
<i>Euphorbia dendroides</i> L.	Tenghud tas-Sigra	Tree Spurge
<i>Euphorbia melitensis</i> Parlatores [= <i>Euphorbia spinosa</i> auct. fl. Melit. non L.; = <i>Euphorbia bivonae</i> auct. fl. Melit. non Steudel]	Tenghud tax-Xaghri	Maltese Spurge
<i>Euphorbia paralias</i> L.	Tenghud tar-Ramel	Sea Spurge
<i>Euphorbia terracina</i> L.	Tenghud tax-Xatt	Coast Spurge
Fabaceae (= Leguminosae)		
<i>Anagyris foetida</i> L.	Fula tal-Klieb	Bean Trefoil Tree
<i>Anthyllis hermanniae</i> L.	Hatba s-Sewda	Shrubby Kidney-Vetch
<i>Lotus halophilus</i> Boissier et Spruner	Ghantux tar-Ramel	Sand Restharrow
Iridaceae		
<i>Iris pseudopumila</i> Tineo	Bellus	Southern Dwarf Iris
<i>Iris sicula</i> Todaro	Fjurdulis Sqalli	Sicilian Iris
Juncaceae		
<i>Juncus acutus</i> L.	Simar il-Lixx	Sharp-Pointed Rush

<i>Juncus maritimus</i> Lamarck	Simar tal-Bahar	Sea Rush
Lamiaceae (= Labiatae)		
<i>Origanum dictamnus</i> L.	Rieġnu ta' Ġnien il-Kbir	Cretan Dittany
<i>Teucrium scordioides</i> Schreber [= <i>T. scordium</i> L. subsp. <i>scordioides</i> (Schreb.) Arcangeli]	Borghom tal-Ilma	Water Germander
<i>Thymus capitatus</i> L. [= <i>Thymbra capitata</i> (L.) Cavanilles; <i>Coridothymus capitatus</i> (L.) Reichenbach fil.]	Saghtar	Mediterranean Thyme
Liliaceae		
<i>Tulipa australis</i> (= <i>Tulipa sylvestris</i> auct. Melit. non L.) Link	Tulipan Selvaġġ	Wild Tulip
Orchidaceae		
<i>Ophrys fuciflora</i> (F.W. Schmidt) Moench [= <i>Ophrys holosericea</i> auct. fl. Melit. non (Burm.) Greuter]	Brimba	Late Spider Orchid
<i>Ophrys lacaitae</i> Lojacono [= <i>O. oxyrrhynchos</i> subsp. <i>lacaitae</i> (Lojacono) Del Prete]	Brimba Safra	Yellow Spider Orchid; Lacaita's Spider Orchid
<i>Ophrys tenthredinifera</i> Willdenow s.l. [= <i>Ophrys tenoreana</i> Lindley s.l.]	Nahla Kbira	Sawfly Orchid
<i>Ophrys oxyrrhynchos</i> Todaro [= <i>Ophrys fuciflora</i> subsp. <i>oxyrrhynchos</i> (Todaro) Soó]	Brimba ta' Sqallija	Beaked Spider Orchid
Plumbaginaceae		
<i>Limonium melitense</i> Brullo [= <i>Statice cosyrensis</i> auct. fl. Melit. non Gussone]	Lehjet ix-Xih; Limonju ta' Malta	Maltese Sea-Lavender
<i>Limonium zeraphae</i> Brullo [= <i>Statice reticulata</i> auct. fl. Melit. non L.]	Lehjet ix-Xih; Limonju ta' Żerafa	Zerafa's Sea-Lavender
Poaceae		

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<i>Ampelodesma mauritanica</i> (Poiret) Durand et Schinz [= <i>Ampelodesma tenax</i> Link]	Dis	Diss
Posidoniaceae		
<i>Posidonia oceanica</i> (L.) Delile	Alka; Posidonja	Neptune-Grass
Rhamnaceae		
<i>Paliurus spina-christi</i> Miller	Xewk tal-Kuruna; Xewk ta' Kristu	Christ's Thorn
Rosaceae		
<i>Rosa sempervirens</i> L.	Girlanda tal-Wied	Evergreen Rose
<i>Sarcopoterium spinosum</i> (L.) Spach [= <i>Poterium spinosum</i> L.]	Tursin il-Ghul Xewwieki	Thorny Burnet
Salicaceae		
<i>Salix alba</i> L.	Żafżafa; Żafżafa Kbira	White Willow
<i>Salix pedicellata</i> Desfontaines	Żafżafa ż-żghira	Mediterranean Willow
Solanaceae		
<i>Lycium intricatum</i> Boissier [= <i>Lycium europaeum</i> auct. fl. Melit. non L. p.p.]	Ghawseg	Southern Boxthorn; Southern Tea-Tree
Ulmaceae		
<i>Ulmus canescens</i> Melville [= <i>Ulmus minor</i> Miller subsp. <i>canescens</i> (Melville) K. Browicz & J. Zielinski]	Nemmiesa; Sığra tan-Nemus; Ulmu	Hoary Elm; Grey-Leaved Elm
Zannichelliaceae		
<i>Zannichellia melitensis</i> Brullo, Giusso et Lanfranco [= <i>Zannichellia palustris</i> auct. fl. Melit. non L.; = <i>Z. pedunculata</i> auct. fl. Melit. non Rehb. in Mössler]	Harira tal-Ilma	Maltese Horned-Pondweed
Zosteraceae		
<i>Zostera marina</i> L.	Alka tas-Salini; Żostera	Eel-Grass; Grass-Wrack
<i>Zostera noltii</i> Hornemann [= <i>Zostera nana</i> Roth]	Alka tal-Pwales; Żostera Nana	Slender Eel-Grass".

Substitutes
Schedule V to
the principal
regulations.

5. Schedule V to the principal regulations shall be substituted by the following new schedule:

"SCHEDULE V

**ANIMAL AND PLANT SPECIES OF COMMUNITY INTEREST
IN NEED OF STRICT PROTECTION**

Interpretation

1. References to taxa higher than genus and/or species are for the purposes of information or classification only.
2. Where required, scientific synonyms of each species or lower taxon are included in brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

(a) ANIMALS**VERTEBRATES****MAMMALS****INSECTIVORA****ERINACEIDAE***Erinaceus algirus***SORICIDAE***Crocidura canariensis**Crocidura sicula***TALPIDAE***Galemys pyrenaicus***MICROCHIROPTERA**

All species

MEGACHIROPTERA**PTEROPODIDAE***Rousettus aegyptiacus***RODENTIA****GLIRIDAE**All species except *Glis glis* and *Eliomys quercinus***SCIURIDAE***Marmota marmota latirostris**Pteromys volans* (*Sciuropterus russicus*)*Spermophilus citellus* (*Citellus citellus*)*Spermophilus suslicus* (*Citellus suslicus*)*Sciurus anomalus***CASTORIDAE***Castor fiber* (except the Estonian, Latvian, Lithuanian, Polish, Finnish and Swedish, populations)**CRICETIDAE***Cricetus cricetus* (except the Hungarian populations)*Mesocricetus newtoni***MICROTIDAE***Dinaromys bogdanovi**Microtus cabrerae*

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Microtus oeconomus arenicola

Microtus oeconomus mehelyi

Microtus tatricus

ZAPODIDAE

Sicista betulina

Sicista subtilis

HYSTRICIDAE

Hystrix cristata

CARNIVORA

CANIDAE

Alopex lagopus

Canis lupus (except the Greek populations north of the 39th parallel; Estonian populations, Spanish populations north of the Duero; Bulgarian; Latvian, Lithuanian, Polish, Slovak populations and Finnish populations within the reindeer management area as defined in paragraph 2 of the Finnish Act No 848/90 of 14 September 1990 on reindeer management)

URSIDAE

Ursus arctos

MUSTELIDAE

Lutra lutra

Mustela eversmanii

Mustela lutreola

Vormela peregusna

FELIDAE

Felis silvestris

Lynx lynx (except the Estonian population)

Lynx pardinus

PHOCIDAE

Monachus monachus

Phoca hispida saimensis

ARTIODACTYLA

CERVIDAE

Cervus elaphus corsicanus

BOVIDAE

Bison bonasus

Capra aegagrus (natural populations)

Capra pyrenaica pyrenaica

Ovis gmelini musimon (*Ovis ammon musimon*) (natural populations - Corsica and Sardinia)

Ovis orientalis ophion (*Ovis gmelini ophion*)

Rupicapra pyrenaica ornata (*Rupicapra rupicapra ornata*)

Rupicapra rupicapra balcanica

Rupicapra rupicapra tatrica

CETACEA

All species

REPTILES

TESTUDINATA

TESTUDINIDAE

Testudo graeca

Testudo hermanni

Testudo marginata

CHELONIIDAE

Caretta caretta

Chelonia mydas

Lepidochelys kempii

Eretmochelys imbricata

DERMOCHELYIDAE

Dermochelys coriacea

EMYDIDAE

Emys orbicularis

Mauremys caspica

Mauremys leprosa

SAURIA

LACERTIDAE

Algyroides fitzingeri

Algyroides marchi

Algyroides moreoticus

Algyroides nigropunctatus

Dalmatolacerta oxycephala

Dinarolacerta mosorensis

Gallotia atlantica

Gallotia galloti

Gallotia galloti insulanagae

Gallotia simonyi

Gallotia stehlini

Lacerta agilis

Lacerta bedriagae

Lacerta bonnali (Lacerta monticola)

Lacerta monticola

Lacerta danfordi

Lacerta dugesi

Lacerta graeca

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Lacerta horvathi
Lacerta schreiberi
Lacerta trilineata
Lacerta viridis
Lacerta vivipara pannonica
Ophisops elegans
Podarcis erhardii
Podarcis filfolensis
Podarcis hispanica atrata
Podarcis lilfordi
Podarcis melisellensis
Podarcis milensis
Podarcis muralis
Podarcis peloponnesiaca
Podarcis pityusensis
Podarcis sicula
Podarcis taurica
Podarcis tiliguerta
Podarcis wagleriana

SCINCIDAE

Ablepharus kitaibelli
Chalcides bedriagai
Chalcides ocellatus
Chalcides sexlineatus
Chalcides simonyi (Chalcides occidentalis)
Chalcides viridianus
Ophiomorus punctatissimus

GEKKONIDAE

Cyrtopodion kotschy
Phyllodactylus europaeus
Tarentola angustimentalis
Tarentola boettgeri
Tarentola delalandii
Tarentola gomerensis

AGAMIDAE

Stellio stellio

CHAMAELEONTIDAE

Chamaeleo chamaeleon

ANGUIDAE

Ophisaurus apodus

OPHIDIA

COLUBRIDAE

Coluber caspius
Coluber cypriensis
Coluber hippocrepis
Coluber jugularis
Coluber laurenti
Coluber najadum
Coluber nummifer
Coluber viridiflavus
Coronella austriaca
Eirenis modesta
Elaphe longissima
Elaphe quatuorlineata
Elaphe situla
Natrix natrix cetti
Natrix natrix corsa
Natrix natrix cypriaca
Natrix tessellata
Telescopus falax

VIPERIDAE

Vipera ammodytes
Macrovipera schweizeri (*Vipera lebetina schweizeri*)
Vipera seoanni (except Spanish population)
Vipera ursinii
Vipera xanthina

BOIDAE

Eryx jaculus

AMPHIBIANS

CAUDATA

SALAMANDRIDAE

Chioglossa lusitanica
Euproctus asper
Euproctus montanus
Euproctus platycephalus
Mertensiella luschani (*Salamandra luschani*)
Salamandra atra
Salamandra aurorae
Salamandra lanzai
Salamandrina terdigitata
Triturus carnifex (*Triturus cristatus carnifex*)
Triturus cristatus (*Triturus cristatus cristatus*)

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Triturus italicus

Triturus karelinii (*Triturus cristatus karelinii*)

Triturus marmoratus

Triturus montandoni

Triturus vulgaris ampelensis

PROTEIDAE

Proteus anguinus

PLETHODONTIDAE

Hydromantes (Speleomantes) ambrosii

Hydromantes (Speleomantes) flavus

Hydromantes (Speleomantes) genei

Hydromantes (Speleomantes) imperialis

Hydromantes (Speleomantes) strinatii (*Hydromantes (Speleomantes) italicus*)

Hydromantes (Speleomantes) supramontes

ANURA

DISCOGLOSSIDAE

Alytes cisternasii

Alytes muletensis

Alytes obstetricans

Bombina bombina

Bombina variegata

Discoglossus galganoi (including *Discoglossus 'jeanneae'*)

Discoglossus montalentii

Discoglossus pictus

Discoglossus sardus

RANIDAE

Rana arvalis

Rana dalmatina

Rana graeca

Rana iberica

Rana italica

Rana latastei

Rana lessonae

PELOBATIDAE

Pelobates cultripes

Pelobates fuscus

Pelobates syriacus

BUFONIDAE

Bufo calamita

Bufo viridis

HYLIDAE

Hyla arborea

Hyla meridionalis

Hyla sarda

FISH

ACIPENSERIFORMES

ACIPENSERIDAE

Acipenser naccarii

Acipenser sturio

SALMONIFORMES

COREGONIDAE

Coregonus oxyrhynchus (anadromous populations in certain sectors of the North Sea, except the Finnish populations)

CYPRINIFORMES

CYPRINIDAE

Anaocypris hispanica

Phoxinus phoxinus

ATHERINIFORMES

CYPRINODONTIDAE

Valencia hispanica

PERCIFORMES

PERCIDAE

Gymnocephalus baloni

Romanichthys valsanicola

Zingel asper

INVERTEBRATES

ARTHROPODS

CRUSTACEA

ISOPODA

Armadillidium ghardalamensis

INSECTA

COLEOPTERA

Bolbelasmus unicornis

Buprestis splendens

Carabus hampei

Carabus hungaricus

Carabus olympiae

Carabus variolosus

Carabus zawadzskii

Cerambyx cerdo

Cucujus cinnaberinus

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Dorcadion fulvum cervae
Duvalius gebhardti
Duvalius hungaricus
Dytiscus latissimus
Graphoderus bilineatus
Leptodirus hochenwarti
Pilemia tigrina
Osmoderma eremita
Phryganophilus ruficollis
Probaticus subrugosus
Propomacrus cypriacus
Pseudogaurotina excellens
Pseudoseriscius cameroni
Pytho kolwensis
Rosalia alpina

LEPIDOPTERA

Apatura metis
Arytrura musculus
Catopta thrips
Chondrosoma fiduciarium
Coenonympha hero
Coenonympha oedippus
Colias myrmidone
Cucullia mixta
Dioszeghyana schmidtii
Erannis ankeraria
Erebia calcaria
Erebia christi
Erebia sudetica
Eriogaster catax
Fabriciana elisa
Glyphipterix loricatella
Gortyna borelii lunata
Hypodryas maturna
Hyles hippophaes
Leptidea morsei
Lignyoptera fumidaria
Lopinga achine
Lycaena dispar
Lycaena helle
Maculinea arion

Maculinea nausithous
Maculinea teleius
Melanagria arge
Nymphalis vaualbum
Papilio alexanor
Papilio hospiton
Parnassius apollo
Parnassius mnemosyne
Phyllometra culminaria
Plebicula golgus
Polymixis rufocincta isolata
Polyommatus eroides
Proserpinus proserpina
Proterebia afra dalmata
Pseudophilotes bavius
Xylomoia strix
Zerynthia polyxena

MANTODEA

Apteromantis aptera

ODONATA

Aeshna viridis
Cordulegaster heros
Cordulegaster trinacriae
Gomphus graslinii
Leucorrhina albifrons
Leucorrhina caudalis
Leucorrhina pectoralis
Lindenia tetraphylla
Macromia splendens
Ophiogomphus cecilia
Oxygastra curtisii
Stylurus flavipes
Sympecma braueri

ORTHOPTERA

Baetica ustulata
Brachytrupes megacephalus
Isophya costata
Isophya harzi
Isophya stysi
Myrmecophilus baronii
Odontopodisma rubripes

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Paracaloptenus caloptenoides

Pholidoptera transsylvanica

Saga pedo

Stenobothrus (Stenobothrodes) eurasius

ARACHNIDA

ARANEAE

Macrothele calpeiana

MOLLUSCS

GASTROPODA

Anisus vorticulus

Caseolus calculus

Caseolus commixta

Caseolus sphaerula

Chilostoma banaticum

Discula leacockiana

Discula tabellata

Discula testudinalis

Discula turricula

Discus defloratus

Discus guerinianus

Elona quimperiana

Geomalacus maculosus

Geomitra moniziana

Gibbula nivosa

Hygromia kovacsi

Idiomela (Helix) subplicata

Lampedusa imitatrix

Lampedusa melitensis

Leiostyla abbreviata

Leiostyla cassida

Leiostyla corneocostata

Leiostyla gibba

Leiostyla lamellosa

Paladilhia hungarica

Patella feruginea

Sadleriana pannonica

Theodoxus prevostianus

Theodoxus transversalis

BIVALVIA

ANISOMYARIA

Lithophaga lithophaga

Pinna nobilis

UNIONOIDA

Margaritifera auricularia

Unio crassus

DREISSENIDAE

Congeria kusceri

ECHINODERMATA

ECHINOIDEA

Centrostephanus longispinus

(b) PLANTS

PTERIDOPHYTA

ASPLENIACEAE

Asplenium hemionitis L.

Asplenium jahandiezii (Litard.) Rouy

Asplenium adulterinum Milde

BLECHNACEAE

Woodwardia radicans (L.) Sm.

DICKSONIACEAE

Culcita macrocarpa C. Presl

DRYOPTERIDACEAE

Diplazium sibiricum (Turcz. ex Kunze) Kurata

* *Dryopteris corleyi* Fraser-Jenk.

Dryopteris fragans (L.) Schott

HYMENOPHYLLACEAE

Trichomanes speciosum Willd.

ISOETACEAE

Isoetes boryana Durieu

Isoetes malinverniana Ces. & De Not.

MARSILEACEAE

Marsilea batardae Launert

Marsilea quadrifolia L.

Marsilea strigosa Willd.

OPHIOGLOSSACEAE

Botrychium simplex Hitchc.

Ophioglossum polyphyllum A. Braun

GYMNOSPERMAE

PINACEAE

* *Abies nebrodensis* (Lojac.) Mattei

ANGIOSPERMAE

AGAVACEAE

Dracaena draco (L.) L.

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ALISMATACEAE

* *Alisma wahlenbergii* (Holmberg) Juz.*Caldesia parnassifolia* (L.) Parl.*Luronium natans* (L.) Raf.

AMARYLLIDACEAE

Leucojum nicaeense Ard.*Narcissus asturiensis* (Jordan) Pugsley*Narcissus calcicola* Mendonça*Narcissus cyclamineus* DC.*Narcissus fernandesii* G. Pedro*Narcissus humilis* (Cav.) Traub*Narcissus longispathus* Pugsley* *Narcissus nevadensis* Pugsley*Narcissus pseudonarcissus* L. subsp. *nobilis* (Haw.) A. Fernandes*Narcissus scaberulus* Henriq.*Narcissus triandrus* L.*Narcissus triandrus* L. subsp. *capax* (Salisb) D.A. Webb.*Narcissus viridiflorus* Schousboe

ASCLEPIADACEAE

Vincetoxicum pannonicum (Borhidi) Holub

BERBERIDACEAE

Berberis maderensis Lowe

BORAGINACEAE

* *Anchusa crispa* Viv.*Echium russicum* J.F.Gemlin* *Lithodora nitida* (H. Ern) R. Fernandes*Myosotis lusitanica* Schuster*Myosotis rehsteineri* Wartm.*Myosotis retusifolia* R. Afonso*Omphalodes kuzinskyanae* Willk.* *Omphalodes littoralis* Lehm.* *Onosma tornensis* Javorka*Solenanthus albanicus* (Degen & al.) Degen & Baldacci* *Symphytum cycladense* Pawl.

CAMPANULACEAE

Adenophora lilifolia (L.) Ledeb.*Asyneuma giganteum* (Boiss.) Bornm.* *Campanula bohemica* Hruby* *Campanula gelida* Kovanda*Campanula morettiiana* Reichenb.*Campanula romanica* Săvul

- * *Campanula sabatia* De Not.
- * *Campanula serrata* (Kit.) Hendrych
- Campanula zoysii* Wulfen
- Jasione crispa* (Pourret) Samp. subsp. *serpentinica* Pinto da Silva
- Jasione lusitanica* A. DC.
- Physoplexis comosa* (L.) Schur.

CARYOPHYLLACEAE

- Arenaria ciliata* L. subsp. *pseudofrigida* Ostenf. & O.C. Dahl
- Arenaria humifusa* Wahlenberg
- * *Arenaria nevadensis* Boiss. & Reuter
- Arenaria provincialis* Chater & Halliday
- * *Cerastium alsinifolium* Tausch
- Cerastium dinaricum* G. Beck & Szysz.
- Dianthus arenarius* L. subsp. *arenarius*
- * *Dianthus arenarius* subsp. *bohemicus* (Novak) O.Schwarz
- Dianthus cintranus* Boiss. & Reuter subsp. *cintranus* Boiss. & Reuter
- * *Dianthus diutinus* Kit.
- * *Dianthus lumnitzeri* Wiesb.
- Dianthus marizii* (Samp.) Samp.
- * *Dianthus moravicus* Kovanda
- * *Dianthus nitidus* Waldst. et Kit.
- Dianthus plumarius* subsp. *regis-stephani* (Rapcs.) Baksay
- Dianthus rupicola* Biv.
- * *Gypsophila papillosa* P. Porta
- Herniaria algarvica* Chaudhri
- * *Herniaria latifolia* Lapeyr. subsp. *litardierei* Gamis
- Herniaria lusitanica* (Chaudhri) subsp. *berlengiana* Chaudhri
- Herniaria maritima* Link
- * *Minuartia smejkalii* Dvorakova
- Moehringia fontqueri* Pau
- Moehringia jankae* Griseb. ex Janka
- Moehringia lateriflora* (L.) Fenzl.
- Moehringia tommasinii* Marches.
- Moehringia villosa* (Wulfen) Fenzl
- Petrocoptis grandiflora* Rothm.
- Petrocoptis montsicciana* O. Bolos & Rivas Mart.
- Petrocoptis pseudoviscosa* Fernandez Casas
- Silene furcata* Rafin. subsp. *angustiflora* (Rupr.) Walters
- * *Silene hicesiae* Brullo & Signorello
- Silene hifacensis* Rouy ex Willk.
- * *Silene holzmanii* Heldr. ex Boiss.

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Silene longicilia (Brot.) Otth.*Silene mariana* Pau* *Silene orphanidis* Boiss* *Silene rothmaleri* Pinto da Silva* *Silene velutina* Pourret ex Loisel.

CHENOPODIACEAE

* *Bassia (Kochia) saxicola* (Guss.) A. J. Scott* *Cremnophyton lanfrancoi* Brullo et Pavone* *Salicornia veneta* Pignatti & Lausi

CISTACEAE

Cistus palhinhae Ingram*Halimium verticillatum* (Brot.) Sennen*Helianthemum alypoides* Losa & Rivas Goday*Helianthemum caput-felis* Boiss.* *Tuberaria major* (Willk.) Pinto da Silva & Rozeira

COMPOSITAE

* *Anthemis glaberrima* (Rech. f.) Greuter*Artemisia campestris* L. subsp. *bottnica* A.N. Lundström ex Kindb.* *Artemisia granatensis* Boiss.* *Artemisia laciniata* Willd.*Argyranthemum pinnatifidum* (L.f.) Lowe subsp. *succulentum* (Lowe) C. J. Humphries*Artemisia oelandica* (Besser) Komaror* *Artemisia pancicii* (Janka) Ronn.* *Aster pyrenaeus* Desf. ex DC* *Aster sorrentinii* (Tod) Lojac.*Carlina onopordifolia* Besser* *Carduus myriacanthus* Salzm. ex DC.* *Centaurea alba* L. subsp. *heldreichii* (Halacsy) Dostal* *Centaurea alba* L. subsp. *princeps* (Boiss. & Heldr.) Gugler* *Centaurea akamantis* T. Georgiadis & G. Chatzikyriakou* *Centaurea attica* Nyman subsp. *megarensis* (Halacsy & Hayek) Dostal* *Centaurea balearica* J. D. Rodriguez* *Centaurea borjae* Valdes-Berm. & Rivas Goday* *Centaurea citricolor* Font Quer*Centaurea corymbosa* Pourret*Centaurea gadorensis* G. Blanca* *Centaurea horrida* Badaro*Centaurea immanuelis-loewii* Degen*Centaurea jankae* Brandza* *Centaurea kalambakensis* Freyn & Sint.

Centaurea kartschiana Scop.
* *Centaurea lactiflora* Halacsy
Centaurea micrantha Hoffmanns. & Link subsp. *herminii* (Rouy) Dostál
* *Centaurea niederi* Heldr.
* *Centaurea peucedanifolia* Boiss. & Orph.
* *Centaurea pinnata* Pau
Centaurea pontica Prodan & E. I. Nyárády
Centaurea pulvinata (G. Blanca) G. Blanca
Centaurea rothmalerana (Arènes) Dostál
Centaurea vicentina Mariz
Cirsium brachycephalum Juratzka
* *Crepis crocifolia* Boiss. & Heldr.
Crepis granatensis (Willk.) B. Blanca & M. Cueto
Crepis pusilla (Sommier) Merxmüller
Crepis tectorum L. subsp. *nigrescens*
Erigeron frigidus Boiss. ex DC.
* *Helichrysum melitense* (Pignatti) Brullo et al
Helichrysum sibthorpii Rouy
Hymenostemma pseudanthemis (Kunze) Willd.
Hyoseris frutescens Brullo et Pavone
* *Jurinea cyanoides* (L.) Reichenb.
* *Jurinea fontqueri* Cuatrec.
* *Lamyropsis microcephala* (Moris) Dittrich & Greuter
Leontodon microcephalus (Boiss. ex DC.) Boiss.
Leontodon boryi Boiss.
* *Leontodon siculus* (Guss.) Finch & Sell
Leuzea longifolia Hoffmanns. & Link
Ligularia sibirica (L.) Cass.
* *Palaeocyanus crassifolius* (Bertoloni) Dostal
Picris willkommii (Schultz Bip.) Nyman
Santolina elegans Boiss. ex DC.
Santolina impressa Hoffmanns. & Link
Santolina semidentata Hoffmanns. & Link
Saussurea alpina subsp. *esthonica* (Baer ex Rupr) Kupffer
Senecio caespitosus Brot.
* *Senecio elodes* Boiss. ex DC.
Senecio jacobea L. subsp. *gotlandicus* (Neuman) Sterner
Senecio lagascanus DC. subsp. *lusitanicus* (P. Cout.) Pinto da Silva
Senecio nevadensis Boiss. & Reuter
* *Serratula lycopifolia* (Vill.) A. Kern
Tephroseris longifolia (Jacq.) Griseb et Schenk subsp. *moravica*

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Wagenitzia lancifolia (Sieber ex Sprengel) Dostal

CONVOLVULACEAE

* *Convolvulus argyrothamnus* Greuter* *Convolvulus fernandesii* Pinto da Silva & Teles

CRUCIFERAE

Alyssum pyrenaicum Lapeyr.* *Arabis kennedyae* Meikle*Arabis sadina* (Samp.) P. Cout.*Arabis scopoliana* Boiss* *Biscutella neustriaca* Bonnet*Biscutella vincentina* (Samp.) Rothm.*Boleum asperum* (Pers.) Desvaux*Brassica glabrescens* Poldini*Brassica hilarionis* Post*Brassica insularis* Moris* *Brassica macrocarpa* Guss.*Braya linearis* Rouy* *Cochlearia polonica* E. Fröhlich* *Cochlearia tatrae* Borbas* *Coincya rupestris* Rouy* *Coronopus navasii* Pau*Crambe tataria* Sebeok* *Degenia velbitica* (Degen) Hayek*Diplotaxis ibicensis* (Pau) Gomez-Campo* *Diplotaxis siettiana* Maire*Diplotaxis vicentina* (P. Cout.) Rothm.*Draba cacuminum* Elis Ekman*Draba cinerea* Adams*Draba dorneri* Heuffel.*Erucastrum palustre* (Pirona) Vis.* *Erysimum pieninicum* (Zapal.) Pawl.* *Iberis arbuscula* Runemark*Iberis procumbens* Lange subsp. *microcarpa* Franco & Pinto da Silva* *Jonopsidium acaule* (Desf.) Reichenb.*Jonopsidium savianum* (Caruel) Ball ex Arcang.*Murbeckiella sousae* Rothm.*Rhynchosinapis erucastrum* (L.) Dandy ex Clapham subsp. *cintrana* (Coutinho) Franco & P. Silva (*Coincya cintrana* (P. Cout.) Pinto da Silva)*Sisymbrium cavanillesianum* Valdes & Castroviejo*Sisymbrium supinum* L.

Thlaspi jankae A. Kern.

CYPERACEAE

Carex holostoma Drejer

* *Carex panormitana* Guss.

Eleocharis carniolica Koch

DIOSCOREACEAE

* *Borderea chouardii* (Gaussen) Heslot

DROSERACEAE

Aldrovanda vesiculosa L.

ELATINACEAE

Elatine gussonei (Sommier) Brullo et al

ERICACEAE

Rhododendron luteum Sweet

EUPHORBIACEAE

* *Euphorbia margalidiana* Kuhbier & Lewejohann

Euphorbia nevadensis Boiss. & Reuter

Euphorbia transtagana Boiss.

GENTIANACEAE

* *Centaurium rigualii* Esteve

* *Centaurium somedanum* Lainz

Gentiana ligustica R. de Vilm. & Chopinet

Gentianella anglica (Pugsley) E. F. Warburg

* *Gentianella bohémica* Skalicky

GERANIACEAE

* *Erodium astragaloides* Boiss. & Reuter

Erodium paularense Fernandez-Gonzalez & Izco

* *Erodium rupicola* Boiss.

GESNERIACEAE

Jankaea heldreichii (Boiss.) Boiss.

Ramonda serbica Pancic

GLOBULARIACEAE

* *Globularia stygia* Orph. ex Boiss.

GRAMINEAE

Arctagrostis latifolia (R. Br.) Griseb.

Arctophila fulva (Trin.) N. J. Anderson

Avenula hackelii (Henriq.) Holub

Bromus grossus Desf. ex DC.

Calamagrostis chalybaea (Laest.) Fries

Cinna latifolia (Trev.) Griseb.

Coleanthus subtilis (Tratt.) Seidl

Festuca brigantina (Markgr.-Dannenb.) Markgr.-Dannenb.

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Festuca duriotagana Franco & R. Afonso*Festuca elegans* Boiss.*Festuca henriquesii* Hack.*Festuca summilusitana* Franco & R. Afonso*Gaudinia hispanica* Stace & Tutin*Holcus setiglumis* Boiss. & Reuter subsp. *duriensis* Pinto da Silva*Micropyropsis tuberosa* Romero - Zarco & Cabezudo*Poa granitica* Br.-Bl. subsp. *disparilis* (E. I. Nyárády) E. I. Nyárády* *Poa riphaea* (Ascher et Graebner) Fritsch*Pseudarrhenatherum pallens* (Link) J. Holub*Puccinellia phryganodes* (Trin.) Scribner + Merr.*Puccinellia pungens* (Pau) Paunero* *Stipa austroitalica* Martinovsky* *Stipa bavarica* Martinovsky & H. Scholz*Stipa danubialis* Dihoru & Roman* *Stipa styriaca* Martinovsky* *Stipa veneta* Moraldo* *Stipa zalesskii* Wilensky*Trisetum subalpestre* (Hartman) Neuman

GROSSULARIACEAE

* *Ribes sardoum* Martelli

HIPURIDACEAE

Hippuris tetraphylla L. Fil.

HYPERICACEAE

* *Hypericum aciferum* (Greuter) N.K.B. Robson

IRIDACEAE

Crocus cyprius Boiss. et Kotschy*Crocus etruscus* Parl.*Crocus hartmannianus* Holmboe*Gladiolus palustris* Gaud.*Iris aphylla* L. subsp. *hungarica* Hegi*Iris boissieri* Henriq.*Iris humilis* Georgi subsp. *arenaria* (Waldst. et Kit.) A. et D. Löve*Iris marisca* Ricci & Colasante

JUNCACEAE

Juncus valvatus Link*Luzula arctica* Blytt

LABIATAE

Dracocephalum austriacum L.* *Micromeria taygetea* P. H. Davis*Nepeta dirphya* (Boiss.) Heldr. ex Halacsy

- * *Nepeta sphaciotica* P. H. Davis
- Origanum dictamnus* L.
- Phlomis brevibracteata* Turril
- Phlomis cypria* Post
- Rosmarinus tomentosus* Huber-Morath & Maire
- Salvia veneris* Hedge
- Sideritis cypria* Post
- Sideritis incana* subsp. *glauca* (Cav.) Malagarriga
- Sideritis javalambrensis* Pau
- Sideritis serrata* Cav. ex Lag.
- Teucrium charidemi* Sandwith
- Teucrium lepicephalum* Pau
- Teucrium turredanum* Losa & Rivas Goday
- Thymus capitellatus* Hoffmanns. & Link
- * *Thymus camphoratus* Hoffmanns. & Link
- Thymus carnosus* Boiss.
- * *Thymus lotocephalus* G. López & R. Morales (*Thymus cephalotos* L.)
- Thymus villosus* L. subsp. *villosus* L.

LEGUMINOSAE

- Anthyllis hystrix* Cardona, Contandr. & E. Sierra
- * *Astragalus algarbiensis* Coss. ex Bunge
- * *Astragalus aquilanus* Anzalone
- Astragalus centralpinus* Braun-Blanquet
- * *Astragalus macrocarpus* DC. subsp. *lefkarensis*
- * *Astragalus maritimus* Moris
- Astragalus peterfii* Jáv.
- Astragalus tremolsianus* Pau
- * *Astragalus verrucosus* Moris
- * *Cytisus aeolicus* Guss. ex Lindl.
- Genista dorycnifolia* Font Quer
- Genista holopetala* (Fleischm. ex Koch) Baldacci
- Melilotus segetalis* (Brot.) Ser. subsp. *fallax* Franco
- * *Ononis hackelii* Lange
- Trifolium saxatile* All.
- * *Vicia bifoliolata* J.D. Rodriguez

LENTIBULARIACEAE

- * *Pinguicula crystallina* Sm.
- Pinguicula nevadensis* (Lindb.) Casper

LILIACEAE

- Allium grosii* Font Quer
- Androcymbium europeum* (Lange) K. Richter

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- * *Androcymbium rechingeri* Greuter
- * *Asphodelus bento-rainhae* P. Silva
- Bellevallia hackelli* Freyn
- * *Chionodoxa lochiai* Meikle in Kew Bull.
- Colchicum arenarium* Waldst. et Kit.
- Colchicum corsicum* Baker
- Colchicum cousturieri* Greuter
- Fritillaria conica* Rix
- Fritillaria drenovskii* Degen & Stoy.
- Fritillaria gussichiae* (Degen & Doerfler) Rix
- Fritillaria obliqua* Ker-Gawl.
- Fritillaria rhodocanakis* Orph. ex Baker
- Hyacinthoides vicentina* (Hoffmans. & Link) Rothm.
- * *Muscari gussonei* (Parl.) Tod.
- Ornithogalum reverchonii* Degen & Herv. -Bass.
- Scilla beirana* Samp.
- Scilla litardierei* Breist.
- * *Scilla morrisii* Meikle
- Scilla odorata* Link
- Tulipa cypria* Stapf
- Tulipa hungarica* Borbas

LINACEAE

- * *Linum dolomiticum* Borbas
- * *Linum muelleri* Moris (*Linum maritimum muelleri*)

LYTHRACEAE

- * *Lythrum flexuosum* Lag.

MALVACEAE

- Kosteletzkya pentacarpos* (L.) Ledeb.

NAJADACEAE

- Najas flexilis* (Willd.) Rostk. & W.L. Schmidt
- Najas tenuissima* (A. Braun) Magnus

OLEACEAE

- Syringa josikaea* Jacq. Fil. ex Reichenb.

ORCHIDACEAE

- Anacamptis urvilleana* Sommier et Caruana Gatto
- Calypso bulbosa* L.
- * *Cephalanthera cucullata* Boiss. & Heldr.
- Cypripedium calceolus* L.
- Dactylorhiza kalopissii* E. Nelson
- Gymnigritella runei* Teppner & Klein
- Himantoglossum adriaticum* Baumann

Himantoglossum caprinum (Bieb.) V. Koch
Liparis loeselii (L.) Rich.
Ophrys argolica Fleischm.
* *Ophrys kotschyi* H. Fleischm. et Soo
* *Ophrys lunulata* Parl.
Ophrys melitensis (Salkowski) J et P Devillers-Terschuren
Orchis scopulorum Simsmerh.
Platanthera obtusata (Pursh) subsp. *oligantha* (Turez.) Hulten
Spiranthes aestivalis (Poirot) L. C. M. Richard

OROBANCHACEAE

Orobanche densiflora Salzmann ex Reuter in DC.

PAEONIACEAE

Paeonia cambessedesii (Willk.) Willk.
Paeonia clusii F.C. Stern subsp. *rhodia* (Stearn) Tzanoudakis
Paeonia officinalis L. subsp. *banatica* (Rachel) Soo
Paeonia parnassica Tzanoudakis

PALMAE

Phoenix theophrasti Greuter

PAPAVERACEAE

Corydalis gotlandica Lidén
Papaver laestadianum (Nordh.) Nordh.
Papaver radicum Rottb. subsp. *hyperboreum* Nordh.

PLANTAGINACEAE

Plantago algarbiensis Sampaio (*Plantago bracteosa* (Willk.) G. Sampaio)
Plantago almogravensis Franco

PLUMBAGINACEAE

Armeria berlengensis Daveau
* *Armeria helodes* Martini & Pold
Armeria neglecta Girard
Armeria pseudarmeria (Murray) Mansfeld
* *Armeria rouyana* Daveau
Armeria soleirolii (Duby) Godron
Armeria velutina Welw. ex Boiss. & Reuter
Limonium dodartii (Girard) O. Kuntze subsp. *lusitanicum* (Daveau) Franco
* *Limonium insulare* (Beg. & Landi) Arrig. & Diana
Limonium lanceolatum (Hoffmans. & Link) Franco
Limonium multiflorum Erben
* *Limonium pseudolaetum* Arrig. & Diana
* *Limonium strictissimum* (Salzmann) Arrig.

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POLYGONACEAE

- Persicaria foliosa* (H. Lindb.) Kitag.
- Polygonum praelongum* Coode & Cullen
- Rumex rupestris* Le Gall

PRIMULACEAE

- Androsace cylindrica* DC.
- Androsace mathildae* Levier
- Androsace pyrenaica* Lam.
- * *Cyclamen fatrense* Halda et Sojak
- * *Primula apennina* Widmer
- Primula carniolica* Jacq.
- Primula glaucescens* Moretti
- Primula nutans* Georgi
- Primula palinuri* Petagna
- Primula scandinavica* Bruun
- Primula spectabilis* Tratt.
- Soldanella villosa* Darracq.

RANUNCULACEAE

- * *Aconitum corsicum* Gayer (*Aconitum napellus* subsp. *corsicum*)
- Aconitum firmum* (Reichenb.) Neilr subsp. *moravicum* Skalicky
- Adonis distorta* Ten.
- Aquilegia alpina* L.
- Aquilegia bertolonii* Schott
- Aquilegia kitaibelii* Schott
- * *Aquilegia pyrenaica* D.C. subsp. *cazorlensis* (Heywood) Galiano
- * *Consolida samia* P.H. Davis
- * *Delphinium caseyi* B.L.Burt
- Pulsatilla grandis* Wenderoth
- Pulsatilla patens* (L.) Miller
- * *Pulsatilla pratensis* (L.) Miller subsp. *hungarica* Soo
- * *Pulsatilla slavica* G. Reuss.
- * *Pulsatilla subslavica* Futak ex Goliasova
- Pulsatilla vulgaris* Hill. subsp. *gotlandica* (Johanss.) Zaemelis & Paegle
- Ranunculus kykkoensis* Meikle
- Ranunculus lapponicus* L.
- * *Ranunculus weyleri* Mares

RESEDACEAE

- * *Reseda decursiva* Forssk.

ROSACEAE

- Agrimonia pilosa* Ledebour
- Potentilla delphinensis* Gren. & Godron

Potentilla emilii-popii Nyárády

* *Pyrus magyarica* Terpo

Sorbus teodorii Liljefors

RUBIACEAE

Galium cracoviense Ehrend.

* *Galium litorale* Guss.

Galium moldavicum (Dobrescu) Franco

* *Galium sudeticum* Tausch

* *Galium viridiflorum* Boiss. & Reuter

SALICACEAE

Salix salvifolia Brot. subsp. *australis* Franco

SANTALACEAE

Thesium ebracteatum Hayne

SAPOTACEAE

Sideroxylon marmulano Banks ex Lowe

SAXIFRAGACEAE

Saxifraga berica (Beguinet) D.A. Webb

Saxifraga cintrana Kuzinsky ex Willk.

Saxifraga florulenta Moretti

Saxifraga hirculus L.

Saxifraga osloënsis Knaben

Saxifraga portosantana Boiss.

Saxifraga presolanensis Engl.

Saxifraga tombeanensis Boiss. ex Engl.

Saxifraga valdensis DC.

Saxifraga vayredana Luizet

SCROPHULARIACEAE

Antirrhinum charidemi Lange

Antirrhinum lopesianum Rothm.

Chaenorhinum serpyllifolium (Lange) Lange subsp. *lusitanicum* R. Fernandes

* *Euphrasia genargentea* (Feoli) Diana

Euphrasia marchesettii Wettst. ex Marches.

Linaria algarviana Chav.

Linaria coutinhoi Valdés

Linaria loeselii Schweigger

* *Linaria ficalhoana* Rouy

Linaria flava (Poiret) Desf.

* *Linaria hellenica* Turrill

Linaria pseudolaxiflora Lojacono

* *Linaria ricardoi* Cout.

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Linaria tonzigii Lona

* *Linaria tursica* B. Valdes & Cabezudo

Lindernia procumbens (Krocker) Philcox

Odontites granatensis Boiss.

* *Pedicularis sudetica* Willd.

Rhinanthus oesilensis (Ronninger & Saarsoo) Vassilez

Tozzia carpathica Wol.

Verbascum litigiosum Samp.

Veronica micrantha Hoffmanns. & Link

* *Veronica oetaea* L.-A. Gustavsson

SOLANACEAE

* *Atropa baetica* Willk.

Mandragora officinarum L.

THYMELAEACEAE

* *Daphne arbuscula* Celak

Daphne petraea Leybold

* *Daphne rodriguezii* Texidor

Thymelaea broterana P. Cout.

ULMACEAE

Zelkova abelicea (Lam.) Boiss.

UMBELLIFERAE

* *Angelica heterocarpa* Lloyd

Angelica palustris (Besser) Hoffm.

* *Apium bermejoi* Llorens

Apium repens (Jacq.) Lag.

Athamanta cortiana Ferrarini

Bunium brevifolium Lowe

* *Bupleurum capillare* Boiss. & Heldr.

* *Bupleurum kakiskalae* Greuter

Eryngium alpinum L.

* *Eryngium viviparum* Gay

* *Ferula sadleriana* Lebed.

Hladnikia pastinacifolia Reichenb.

* *Laserpitium longiradium* Boiss.

* *Naufraja balearica* Constans & Cannon

* *Oenanthe coniioides* Lange

Petagnia saniculifolia Guss.

Rouya polygama (Desf.) Coincy

* *Seseli intricatum* Boiss.

Seseli leucospermum Waldst. et Kit

Thorella verticillatinundata (Thore) Briq.

VALERIANACEAE

Centranthus trinervis (Viv.) Beguinot

VIOLACEAE

Viola athois W. Becker

Viola cazorlensis Gandoger

Viola delphinantha Boiss.

* *Viola hispida* Lam.

Viola jaubertiana Mares & Vigineix

Viola rupestris F.W. Schmidt subsp. *relicta* Jalas

SPECIES FOR MACARONESIA**PTERIDOPHYTA**

HYMENOPHYLLACEAE

Hymenophyllum maderensis Gibby & Lovis

DRYOPTERIDACEAE

* *Polystichum drepanum* (Sw.) C. Presl.

ISOETACEAE

Isoetes azorica Durieu & Paiva ex. Milde

MARSILEACEAE

* *Marsilea azorica* Launert & Paiva

ANGIOSPERMAE

ASCLEPIADACEAE

Carulluma burchardii N. E. Brown

* *Ceropegia chrysantha* Svent.

BORAGINACEAE

Echium candicans L. fil.

* *Echium gentianoides* Webb & Coincy

Myosotis azorica H.C. Watson

Myosotis maritima Hichst. in Seub.

CAMPANULACEAE

* *Azorina vidalii* (H. C. Watson) Feer

Musschia aurea (L.f.) DC

* *Musschia wollastonii* Lowe

CAPRIFOLIACEAE

* *Sambucus palmensis* Link

CARYOPHYLLACEAE

Spergularia azorica (Kindb.) Lebel

CELASTRACEAE

Maytenus umbellata (R. Br.) Mabb

CHENOPODIACEAE

Beta patula Ait.

CISTACEAE

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Cistus chinamadensis Banares & Romero* *Helianthemum bystropogophyllum* Svent.

COMPOSITAE

Andryala crithmifolia Ait.* *Argyranthemum lidii* Humphries*Argyranthemum thalassophyllum* (Svent.) Hump.*Argyranthemum winterii* (Svent.) Humphries* *Atracylis arbuscula* Svent. & Michaelis*Atractylis preauxiana* Schultz.*Calendula maderensis* DC.*Cheirolophus duranii* (Burchard) Holub*Cheirolophus ghomerytus* (Svent.) Holub*Cheirolophus junonianus* (Svent.) Holub*Cheirolophus massonianus* (lowe) Hansen & Sund.*Cirsium latifolium* Lowe*Helichrysum gossypinum* Webb*Helichrysum monogynum* Burt & Sund.*Hypochoeris oligocephala* (Svent. & Bramw.) Lack* *Lactuca watsoniana* Trel.* *Onopordum nogalesii* Svent.* *Onopordum carduelinum* Bolle* *Pericallis hadrosoma* (Svent.) B. Nord.*Phagnalon benettii* Lowe*Stemmacantha cynaroides* (Chr. Son. in Buch) Ditt*Sventenia bupleuroides* Font Quer* *Tanacetum ptarmiciflorum* Webb & Berth

CONVOLVULACEAE

* *Convolvulus caput-medusae* Lowe* *Convolvulus lopes-socasii* Svent.* *Convolvulus massonii* A. Dietr.

CRASSULACEAE

Aeonium gomeraense Praeger*Aeonium saundersii* Bolle*Aichryson dumosum* (Lowe) Praeg.*Monanthes wildpretii* Banares & Scholz*Sedum brissemoretti* Raymond-Hamet

CRUCIFERAE

* *Crambe arborea* Webb ex Christ*Crambe laevigata* DC. ex Christ* *Crambe sventenii* R. Petters ex Bramwell & Sund.* *Parolinia schizogynoides* Svent.

Sinapidendron rupestre (Ait.) Lowe

CYPERACEAE

Carex malato-belizii Raymond

DIPSACACEAE

Scabiosa nitens Raomer & J.A. Schultes

ERICACEAE

Erica scoparia L. subsp. *azorica* (Hochst.) D.A. Webb

EUPHORBIACEAE

* *Euphorbia handiensis* Burchard

Euphorbia lambii Svent.

Euphorbia stygiana H.C. Watson

GERANIACEAE

* *Geranium maderense* P.F. Yeo

GRAMINEAE

Deschampsia maderensis (Haeck. & Born.) Buschm.

Phalaris maderensis (Menezes) Menezes

GLOBULARIACEAE

* *Globularia ascanii* D. Bramwell & Kunkel

* *Globularia sarcophylla* Svent.

LABIATAE

* *Sideritis cystosiphon* Svent.

* *Sideritis discolor* (Webb ex de Noe) Bolle

Sideritis infernalis Bolle

Sideritis marmorea Bolle

Teucrium abutiloides L' Hér.

Teucrium betonicum L' Hér.

LEGUMINOSAE

* *Anagyris latifolia* Brouss. ex. Willd.

Anthyllis lemanniana Lowe

* *Dorycnium spectabile* Webb. & Berthel

* *Lotus azoricus* P. W. Ball

Lotus callis-viridis D. Bramwell & D.H. Davis

* *Lotus kunkelii* (E. Chueca) D. Bramwell & al.

* *Teline rosmarinifolia* Webb & Berthel.

* *Teline salsoloides* Arco & Acebes.

Vicia dennesiana H.C. Watson

LILIACEAE

* *Androcymbium psammophilum* Svent.

Scilla maderensis Menezes

Semele maderensis Costa

LORANTHACEAE

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Arceuthobium azoricum Wiens & Hawksw.

MYRICACEAE

** Myrica rivas-martinezii* Santos.

OLEACEAE

Jasminum azoricum L.*Picconia azorica* (Tutin) Knobl.

ORCHIDACEAE

Goodyera macrophylla Lowe

PITTOSPORACEAE

** Pittosporum coriaceum* Dryand. ex. Ait.

PLANTAGINACEAE

Plantago malato-belizii Lawalree

PLUMBAGINACEAE

** Limonium arborescens* (Brouss.) Kuntze*Limonium dendroides* Svent.** Limonium spectabile* (Svent.) Kunkel & Sunding** Limonium sventenii* Santos & Fernandez Galvan

POLYGONACEAE

Rumex azoricus Rech. fil.

RHAMNACEAE

Frangula azorica Tutin

ROSACEAE

** Bencomia brachystachya* Svent.*Bencomia sphaerocarpa* Svent.** Chamaemeles coriacea* Lindl.*Dendriopoterium pulidoi* Svent.*Marcetella maderensis* (Born.) Svent.*Prunus lusitanica* L. subsp. *azorica* (Mouillef.) Franco*Sorbus maderensis* (Lowe) Dode

SANTALACEAE

Kunkeliella subsucculenta Krammer

SCROPHULARIACEAE

** Euphrasia azorica* H.C. Watson*Euphrasia grandiflora* Hochst. in Seub.** Isoplexis chalcantha* Svent. & O'Shanahan*Isoplexis isabelliana* (Webb & Berthel.) Masferrer*Odontites holliana* (Lowe) Benth.*Sibthorpia peregrina* L.

SOLANACEAE

** Solanum lidii* Sunding

UMBELLIFERAE

Ammi trifoliatum (H.C. Watson) Trelease
Bupleurum handiense (Bolle) Kunkel
Chaerophyllum azoricum Trelease
Ferula latipinna Santos
Melanoselinum decipiens (Schrader & Wendl.) Hoffm.
Monizia edulis Lowe
Oenanthe divaricata (R. Br.) Mabb.
Sanicula azorica Guthnick ex. Seub.

VIOLACEAE

Viola paradoxa Lowe".

6. Schedule VI to the principal regulations shall be substituted by the following new schedule:

Substitutes
Schedule VI to
the principal
regulations.

"SCHEDULE VI

ANIMAL AND PLANT SPECIES OF NATIONAL INTEREST IN NEED OF STRICT PROTECTION

Interpretation

1. The abbreviation "spp." following the name of a genus is used to denote all species within that genus.
2. Other references to taxa higher than genus and/or species are for the purposes of information or classification only.
3. The abbreviation "(s.l.)", meaning '*sensu lato*' is used to indicate that the scientific name is used in its most extended meaning.
4. In the case of the species marked with "+", members responsible for public security and civil protection may take any necessary steps to ensure that there are no risks for bathers and for any other person in or at sea.
5. Where required, scientific synonyms of each species or lower taxon are included in square brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.
6. A number of scientific names are followed by the abbreviations 'auct. fl. Melit.' which refers to the scientific name(s) with which that particular taxon is and/or was recorded in Maltese biodiversity literature; this scientific name is also of legal value, since in some cases, it represents the only reference to species whose proper scientific identification is still uncertain.
7. Where available, vernacular names, in both Maltese and English have been included for each taxon. This information is included for clarification purposes.

(a) ANIMALS

VERTEBRATES

MAMMALS

INSECTIVORA

Soricidae

Suncus etruscus

Ġurdien ta' Halqu Twil;
 Ġurdien tal-Munqar;
 Ġurdien tal-Geddum Twil

Pygmy White-Toothed
Shrew

CARNIVORA

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Mustelidae

Mustela nivalis

Ballottra

Weasel

REPTILES**SAURIA**

Gekkonidae

Hemidactylus turcicus

Wiżgħa tad-Djar

Turkish Gecko

Tarentola mauritanica

Wiżgħa tal-Kampanja

Moorish Gecko

OPHIDIA

Colubridae

Coluber algirus

Serp l-Ahđar

Algerian Whip Snake

[= *Hemorrhois algirus*]**FISH****ACTINOPTERYGII****CYPRINODONTI-FORMES**

Cyprinodontidae

Aphanius fasciatus

Bużaqq

Maltese Killifish

SYNGNATHIFORMES

Syngnathidae

Hippocampus guttulatus

Żiemel tal-Baħar

Long-Snouted Sea-Horse

[= *Hippocampus ramulosus*]*Hippocampus hippocampus*

Żiemel tal-Baħar

Short-Snouted Sea-Horse

[= *Hippocampus heptagonus*]**ELASMOBRANCHII****CARCHARHINI-FORMES**

Sphyrnidae

Sphyrna lewini

-

Scalloped Hammerhead

Sphyrna mokarran

-

Great Hammerhead

Sphyrna zygaena

Kurazza

Common hammerhead

Triakidae

Galeorhinus galeus

Kelb il-Baħar

Tope Shark

LAMNIFORMES

Lamnidae

Carcharodon carcharias +

Kelb il-Baħar +

Great White Shark +

Isurus oxyrinchus

Pixxitondu

Shortfin Mako Shark

Lamna nasus

Pixxiplamtu

Porbeagle Shark

Odontaspidae

Carcharias taurus

Tawru

Sand Tiger Shark

Odontaspis ferox

Silfjun

Small Tooth Sand Tiger Shark

PRISTIFORMES

Pristidae

<i>Pristis pristis</i>	Pixxisega; Pixxiserrieq; Sija	Sawfish
<i>Pristis pectinata</i>		Saw-mouthed Shark
SQUALIFORMES		
Oxynotidae		
<i>Oxynotus centrina</i>	Pixxiporku	Angular Rough Shark
Cetorhinidae		
<i>Cetorhinus maximus</i>	Pixxitonnu	Basking Shark
MYLIOBATIFORMES		
Myliobatidae		
<i>Mobula mobular</i>	Baqra; Manta; Raja tal-Qrun	Devil Ray
Gymnuridae		
<i>Gymnura altavela</i> [= Farfett <i>Pteroplata altavela</i>]		Butterfly Ray
RAJIFORMES		
Rajidae		
<i>Dipturus batis</i> [= <i>Raja batis</i>]	Rebekkin Skur	Blue Grey Skate
<i>Leucoraja melitensis</i> [= <i>Raja melitensis</i>]	Raja ta' Malta	Maltese Brown Ray
<i>Rostroraja alba</i> [= <i>Raja alba</i>]	Hamiema	White Skate
Rhinobatidae		
<i>Rhinobatos cemiculus</i>	Kuntrabaxx	Blackchin Guitarfish
<i>Rhinobatos rhinobatos</i>	Vjolin	Blackchin Guitar fish
SQUATINIFORMES		
Squatinae		
<i>Squatina aculeata</i>		Saw-backed Angel Shark
<i>Squatina oculata</i>	Xkatlu tal-Ghajnejn	Smooth back Angel Shark
<i>Squatina squatina</i>	Xkatlu	Angel Shark
INVERTEBRATES		
PORIFERA		
<i>Aplysina</i> spp. plur	(Sponża)	Aplysina Sponges
<i>Axinella cannabina</i>	Kandilabru	(Sponge)
<i>Axinella polypoides</i>	Sponża tal-Qrun	Common Antlers Sponge
<i>Geodia cydonium</i>	Debb	(Sponge)
<i>Petrobiona massiliana</i>	Sponża Iebsa	Stony Sponge
<i>Sarcotragus foetidus</i> [= <i>Ircina foetida</i>]	(Sponża)	Horny Wild Sponge
<i>Sarcotragus pipetta</i> [= <i>Ircinia pipetta</i>]	(Sponża)	(Sponge)
<i>Tethya</i> spp.	(Sponża)	(Sponge)
CNIDARIA		
<i>Antipathes</i> spp.	Qroll l-Iswed	Black Coral
<i>Astroides calycularis</i>	Qroll tad-Dell	Star-Coral
<i>Cladocora caespitosa</i>	Qroll Abjad	Stone Coral; White Coral

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<i>Corallium rubrum</i>	Qroll l-Ahmar	Precious Coral; Sardinian Coral; Red Coral
<i>Errina aspera</i>	Qroll; Errina	Hydrocoral; Errina
<i>Hornera lichenoides</i>	Qroll Falz	False Coral
<i>Savalia savaglia</i> [= <i>Gerardia savaglia</i>]	Qroll Iswed Falz	False Black Coral
ARTHROPODS		
CRUSTACEA		
Sessilia		
<i>Pachylasma giganteum</i>	(Granè) Il-Koçċla l-kbira	
NOTOSTRACA		
Triopsidae		
<i>Triops cancriformis</i>	Gamblu tal-Elmu	Tadpole Shrimp
DECAPODA		
Ocypodidae		
<i>Ocypode cursor</i>	Granè tar-Ramla	Ghost Crab
Potamonidae		
<i>Potamon fluviatile</i> <i>lanfrancoi</i>	Qabru; Granè tal-Ilma Helu	Maltese Freshwater Crab
ARACHNIDA		
<i>Nemisia arboricola</i>	Brimba tal-Bejta	Maltese Trap-Door Spider
<i>Roncus melitensis</i>	Skorpjun Falz ta' Malta	Maltese False Scorpion
INSECTA		
COLEOPTERA		
Carabidae		
<i>Eurynebria complanata</i>	-	-
<i>Scarites buparius</i>	-	-
Buprestidae		
<i>Ptosima flavoguttata</i>	-	-
Scarabeoidea		
<i>Oryctes nasicornis</i>	Buqarn il-Kbir	Large Rhinoceros Beetle
LEPIDOPTERA		
Lasiocampidae		
<i>Gastropacha quercifolia</i>	Werqa Niexfa	Lappet Moth
<i>Lasiocampa quercus</i>	Bahrija tal-Ballut	Oak Eggar
Satyridae		
<i>Lasiommata megera</i>	Kannella tax-Xemx	Wall Brown
<i>Pararge aegeria</i>	Kannella tad-Dell	Speckled Wood
Noctuidae		
<i>Catocala conjuncta</i>	Katokala Rari, Bahrija tal-Luq	Red Underwing
<i>Catocala elocata</i>	Elokata	Red Underwing

<i>Catocala nymphaea</i>	Katokala Safra Kbira, Bahrija tal-Luq	Oak Yellow Underwing
<i>Catocala nymphagoga</i>	Katokala Safra Żghira, Bahrija tal-Luq	Oak Yellow Underwing
Sphingidae		
All species		
Hesperiidae		
<i>Gegenes pumilio</i>	Il-Bahri	Pygmy Skipper
Lycaenidae		
<i>Aricia agestis</i>	Kannelli tal-Anglu	Brown Argus
<i>Celastrina argiolus</i>	Ikhal Fiddieni	Holly Blue
<i>Lampides boeticus</i>	Ikhal tad-Denb Twil	Long-tailed Blue
<i>Lycaena phlaeas</i>	Farfett tas-Selq	Small Copper
<i>Polyommatus icarus</i>	Farfett tal-Anglu	Common Blue
<i>Syntarucus pirthous</i>	Ikhal tad-Denb Qasir	Lang's Short-tailed blue
<i>Zizeeria knysna</i>	Ikhal ta' l-Afrika	African Grass Blue
Nymphalidae		
<i>Coenonympha pamphilus</i>	Kannella żghir	Small Heath
<i>Maniola jurtina</i>	Kannella Kbir	Meadow Brown
<i>hyperhispulla</i>		
Pieridae		
<i>Gonepteryx cleopatra</i>	Farfett taż-Żiju	Cleopatra
Tineidae		
<i>Morophaga choragella</i>	-	-
ODONATA		
<i>Anax parthenope</i>	-	Parthenope's Dragonfly
<i>Orthetrum trinacria</i>	-	-
<i>Orthetrum brunneum</i>	-	-
NEUROPTERA		
<i>Acanthaclisis baetica</i>	-	-
<i>Italo-chrysa italica</i>	-	-
MOLLUSCA		
GASTROPODA		
<i>Charonia nodifera</i> [= <i>Charonia lampas</i> ; <i>C. rubicunda</i> <i>C. nodifera</i>]	Bronja tal-Fond	Knobbed Triton-Shell
<i>Charonia tritonis</i> s.l. [= <i>Charonia seguenziae</i> ;	Bronja tal-Midhna	Variegated Triton-Shell
<i>Dendropoma petraeum</i>	Bebbuxu tal-Blat	Vermetid Snail
<i>Erosaria spurca</i> [= <i>Cypraea spurca</i> ; <i>Pustularia spurca</i>]	Bahbuha Ttigrata	Spotted Cowrie; Porcelaine Juane

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<i>Luria lurida</i> [= <i>Cypraea lurida</i> ; <i>Talparia lurida</i>]	Bahbuha ta' l-Ghajnejn	Brown Cowrie; Mediterranean Cowrie
<i>Mitra zonata</i>	Sigarru	Fusiform Mitre
<i>Muticaria macrostoma</i> <i>mamotica</i> [= <i>Clausilia</i> <i>mamotica</i> ; <i>Lampedusa</i> <i>mamotica</i>]	Dussies tax-Xlendi	Mamo's Door-Snail
<i>Muticaria macrostoma</i> <i>scalaris</i> [= <i>Clausilia</i> <i>scalaris</i> ; <i>Lampedusa</i> <i>scalaris</i>]	Dussies tal-Blata	Scalariform Door-Snail
<i>Ranella olearia</i> [= <i>Agrobuccinum</i> <i>olearium</i> ; <i>A.</i> <i>giganteum</i>]	Bronja	Oil Vessel Triton
<i>Schilderia achatidea</i> [= <i>Cypraea achatidea</i> ; <i>Cypraea physis</i> ; <i>Erronea achatidea</i>]	Bahbuha	Agate Cowrie
<i>Tonna galea</i> [= <i>Tina</i> tal-Bahar; Sorm il- <i>Dolium galea</i>]	Bahar	Giant Tun; Mediterranean Tun-Shell
<i>Trochoidea gharlapsi</i>	Żugraga tal-Irdum Ghar Lapsi	Top Snail
<i>Trochoidea spratti</i> <i>cucullus</i> [= <i>T.</i> <i>cucullus</i> ; <i>Helicella</i> <i>cucullus</i>]	Żugraga tal-Imtahleb	Top-Snail
<i>Trochoidea spratti</i> <i>despotti</i> [= <i>Trochoidea</i> <i>despotti</i> ; <i>T.</i> <i>pyramidata despotti</i>]	Żugraga ta' Filfla	Filfla Top-Snail
<i>Zonaria pyrum</i> [= <i>Bahbuha</i> Hamra <i>Cypraea pyrum</i> ; <i>Erronea pyrum</i>]		Pear Cowrie/Porcelain Shell
BIVALVIA		
<i>Pholas dactylus</i>	Tamra Bajda	Common Piddock
<i>Pinna rudis</i> [= <i>Pinna</i> <i>pernula</i>]	Nakkra tax-Xewk	Rough Pen-Shell
<i>Pisidium</i> spp.	Arzell tal-Ilma Helu	Pea-Mussels
BRYOZOA		
<i>Hornera lichenoides</i>	Qroll Falz	False Coral
ECHINODERMATA		
<i>Asterina pancerii</i> [= <i>Asteriscus pancerii</i> ; <i>Asterina gibbosa</i> var. <i>pancerii</i>]	Stilla tal-Bahar	Cushion-Star
<i>Ophidiaster</i> <i>ophidianus</i>	Stilla tal-Bahar; Salib il-Bahar Hamra	Violet Starfish
(b) PLANTS		
RHODOPHYTA		

Lithophyllum byssoides Litofillum Stone-Weed
(Lamarck) Foslie [= *Melobesia lichenoides* (Philippi) Endlicher p.p.; *Lithophyllum lichenoides* Philippi p.p.; *Lithothamnion byssoides* (Lamarck) Philippi; *Goniolithon byssoides* (Lamarck) Foslie]

Titanoderma trochanter Litofillum Stone-Weed
(Bory de Saint-Vincent) Benhissoune, Boudouresque, Perret-Boudouresque & Verlaque [= *Lithophyllum trochanter* (Bory de Saint-Vincent) Huve ex Woelkerling; = *L. byssoides* auct. fl. Melt. non (Lamarck) Forlie]

Ptilophora mediterranea

Tenarea tortuosa Litofillum Stone-Weed
(Esper) Lemoine [= *Lithophyllum tortuosum* (Esper) Foslie; *Tenarea undulosa* Bory Saint-Vincent]

Titanoderma ramosissimum Litofillum Stone-Weed
(Heydrich) Bressan & Cabioch

CHLOROPHYTA

Caulerpa ollivieri Lsien il-Bahar Mediterranean Caulerpa
Dostál

Caulerpa prolifera Lsien il-Bahar Mediterranean Caulerpa
(Forsskål) Lamouroux

FUCOPHYTA

Cystoseira amentacea Ċistosejra Kahla Rainbow Bladder-Weed
Bory de Saint-Vincent s.l.

Cystoseira mediterranea Ċistosejra tal-Mediterran Mediterranean Sea-Fir
Sauvageau

Cystoseira spinosa Ċistosejra (Sea-Fir)
Sauvageau s.l.

Cystoseira zosteroides Ċistosejra (Sea-Fir)
C. Agardh

Laminaria rodriguezii Laminarja
Bornet

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<i>Sargassum acinarium</i> (Linnaeus) Setchell [= <i>S. linifolium</i> C. Agardh]	Sargassu	(Sargasso-weed)
<i>Sargassum flavifolium</i> Kützinger [= <i>S. vulgare</i> var. <i>flavifolium</i> (Kützinger) Grunow]	Sargassu	(Sargasso-weed)
<i>Sargassum hornschiichii</i> C. Agardh	Sargassu	(Sargasso-weed)
<i>Sargassum trichocarpum</i> J. Agardh [= <i>S. boryanum</i> Montagne]	Sargassu	(Sargasso-weed)

BRYOPHYTA

<i>Petalophyllum ralfsii</i> (Wils.) Nees & Gott.	Hepatika; Petalofilla	Liverwort
<i>Riella helicophylla</i> (Mont.) Hook.	Riella; Hepatika ta' l-Ghadira s-Safra	Liverwort

FUNGI

<i>Boletopsis grisea</i> (Peck) Bondartsev & Singer	Faqqiegh tal-Żnuber	Pine Boletus
<i>Sarcosphaera coronaria</i> (Jacq.) Boud [= <i>Sarcosphaera crassa</i> (Steudel) Pouzar]	Faqqiegh tal-Kuruna	Violet Crown-Cup

SALVINIACEAE

<i>Salvinia natans</i> (L.) All.	Salvinja tal-Ilma	Water Butterfly Wings; Floating Fern
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PTERIDOPHYTA**ASPLENIACEAE**

<i>Asplenium ceterach</i> L. [= <i>Ceterach officinarum</i> DC.]	Felċi tal-Hitan tas-Sejjieh	Rusty-Back Fern
<i>Asplenium marinum</i> L. [= <i>Asplenium lucidum</i> Boccone]	Felċi tal-Baħar; Felċi tal-Irdum	Sea Spleenwort
<i>Asplenium scolopendrium</i> L. [= <i>Scolopendrium vulgare</i> Smith]	Lsien iċ-Ċerv	Hart's Tongue-Fern
<i>Asplenium trichomanes</i> L. [= <i>Chamaefilix trichomanes</i> (L.) Farw.]	Felċi ta' Ghawdex; Felċi tal-Irdum	Common Spleenwort; Maidenhair Spleenwort

PINOPHYTA**CUPRESSACEAE**

<i>Tetraclinis articulata</i> (Vahl) Masters [= <i>Callitris quadrivalvis</i> Venten. ex Rich.]	Gharghar; Siġra tal-Gharghar	Araar Tree; Alerce; Sandarac Gum Tree
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MAGNOLIOPHYTA**AMARYLLIDACEAE**

<i>Pancratium foetidum</i> Pomel	Pankrazju tal-Harifa	Stinking Sea Daffodil
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<i>Pancratium maritimum</i> L.	Pankrazju; Narċis il-Bahar	Sea Daffodil; Sea Pancratium
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ARISTOLOCHIACEAE

<i>Aristolochia clusii</i> Lojacono [= <i>A. longa</i> auct. fl. Melit. non L.]	Papra Selvagġa; Aristolokja	Southern Birthwort
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ASTERACEAE (= COMPOSITAE)

<i>Atractylis cancellata</i> L.	Xewk tal-Gaġġa	Cage Thistle
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<i>Chondrilla juncea</i> L.	Tfief tar-Ramel; Tfief tal-Ghadira	Gum-Chicory; Rush-Leaved Sow-Thistle
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<i>Otanthus maritimus</i> (L.) Hoffmannsegg et Link [= <i>Diotis candidissima</i> Desfontaines]	Santolina tar-Ramel; Bajda tar-Ramel	Cottonweed; Sea Cudweed
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<i>Senecio pygmaeus</i> DC. [= <i>Senecio leucanthemifolius</i> Poiret var. <i>pygmaeus</i> (DC.) Fiori]	Kubrita Nana	Pygmy Groundsel
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CRUCIFERACEAE

<i>Enarthrocarpus pterocarpus</i>	Ravanell tal-Egittu	Winged Radish
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<i>Hymenolobus revelieri</i> (Jordan) Brullo subsp. <i>sommieri</i> (Pampanini) Brullo [= <i>Hutchinsia procumbens</i> forma <i>sommieri</i> Pampanini]	Ġargir ta' Kemmuna	Maltese Hymenolobus
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<i>Matthiola incana</i> (L.) R. Brown subsp. <i>melitensis</i> Brullo, Lanfranco, Pavone et Ronsisvalle	Ġizi ta' Malta	Maltese Stocks
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<i>Matthiola lunata</i> DC.	Ġizi ta' Spanja	Spanish Stocks
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CARYOPHYLLACEAE

<i>Silene fruticosa</i> L.	Lsien l-Ghasfur tal-Blat	Shrubby Campion
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CISTACEAE

<i>Cistus creticus</i> L. s.l.	Borghom; Ċistu Roża	Hoary Rockrose
<i>Cistus monspeliensis</i> L.	Borghom; Ċistu Abjad	White Rockrose

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CONVOLVULACEAE

<i>Calystegia soldanella</i> (L.) Brown [= <i>Convolvulus soldanella</i> L.]	Leblieb tar-Ramel	Sand Bindweed; Sea Bindweed
<i>Cressa cretica</i>	Kressa	Cressa; Salt Cresse; Grey-Leaved Marsh Cresse

CYNOMORIACEAE

<i>Cynomorium coccineum</i> L.	Gherq Sinjur; Gherq il-General; Żobb l-Art	Malta Fungus
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EUPHORBIACEAE

<i>Euphorbia characias</i> L.	Tenghud tal-Haġar	Large Mediterranean Spurge
<i>Euphorbia melapetala</i> Gasparrini	Tenghud tal-Haġar	Large Sicilian Spurge
<i>Euphorbia paralias</i> L.	Tenghud tar-Ramel	Sea Spurge
<i>Euphorbia terracina</i> L.	Tenghud tax-Xatt	Coast Spurge

FABACEAE

<i>Lotus halophilus</i> Boissier et Spuner	Ghantux tar-Ramel	Sand Restharrow
<i>Ononis oligophylla</i>	Trew tat-Tafal	Few-Leaved Restharrow

HYACINTHACEAE

<i>Scilla clusii</i> s.l. [includes <i>Scilla candida</i> Gussone]	Parlatore Ghansal ta' Malta	Maltese Squill
<i>Scilla peruviana</i> L.	Ghansal ta' Malta	Peruvian Squill
<i>Scilla sicula</i> var. <i>sicula</i> (Tineo) Fiori]	Tineo [= Ghansal Ikhal]	Sicilian Squill

IRIDACEAE

<i>Iris aegyptica</i> auct. fl. Melit. non Delil. [= <i>Gynandriris sisyrinchium</i> (L.) Parlatore var. sensu Lanfranco]	Fjurdulis tax-Xaghri	Large-Flowered Barbary Nut-Iris
<i>Iris foetidissima</i> L.	Fjurdilis tal-Bosk	Gladdon
<i>Iris pseudopumila</i> Tineo	Bellus	Southern Dwarf Iris
<i>Iris sicula</i> var. <i>sicula</i> (Todaro) Baker]	Todaro [= Fjurdulis Sqalli]	Sicilian Iris

LAMIACEAE

<i>Mentha suaveolens</i> Ehrhart [= <i>Mentha rotundifolia</i> (L.) Hudson]	Naghniegħ Selvaġġ	Round-Leaved Mint
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LILIACEAE

Tulipa australis Link Tulipan Selvaġġ
[= *Tulipa sylvestris*
auct. Melit. non L.]

Wild Tulip

ORCHIDACEAE

Barlia robertiana Orkida Kbira
(Loiseleur) Greuter
[= *Himantoglossum*
robertianum
(Loiseleur) Delforge]

Giant Orchid

Neotinea maculata Orkida Rqika
(Desfontaines) Stearn
[= *Orchis intacta*
Link; *Neotinea intacta*
(Desfontaines)
Reichenbach fil.]

Dense-Flowered Orchid

Ophrys apifera Nahla
Hudson [= *Ophrys*
arachnites Miller]

Bee Orchid

Ophrys bertolonii Dubbiena ta' Bertoloni
Moretti

Bertoloni's Bee Orchid

Ophrys caesiella Dubbiena ta' Malta
Delforge

Maltese Brown Orchid

Ophrys lutea Żunżana l-Kbira
Cavanilles [= *Ophrys*
vespifera Brotero]

Yellow Bee Orchid

Ophrys cf. *mesaritica* Dubbiena Bikrija
Paulus, Alibertis et
Alibertis [= *O.*
iricolor subsp.
mesaritica Alibertis et
Alibertis]

Cretan Blue Orchid

Ophrys cf. *parosica* Dubbiena tat-Tikek
Delforge

Paros Brown Orchid

Ophrys fuciflora (F.W. Brimba
Schmidt) Moench
[= *Ophrys holosericea*
auct. fl. Melit. non
(Burm.) Greuter]

Late Spider Orchid

Ophrys fusca Link Dubbiena l-Kbira
s.str.

Brown Orchid;
Sombre Bee Orchid

Ophrys fusca Link s.l. Dubbiena

Brown Orchid

Ophrys iricolor Dubbiena
Desfontaines s.l. [= *O.*
fusca subsp. *iricolor*
(Desfontaines) Richter
s.l.]

Blue Orchid

Ophrys lacaitae Brimba Safra
Lojacono [= *Ophrys*
oxyrrhynchos subsp.
lacaitae (Lojacono)
Del Prete]

Yellow Spider Orchid;
Lacaita's Spider Orchid

Ophrys lucifera Dubbiena tar-Rebbiegha
Devillers-Terschuren
et Devillers

Brown Orchid

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<i>Ophrys oxysrhynchos</i> Brimba ta' Sqallija Todaro [= <i>Ophrys</i> <i>fuciflora</i> subsp. <i>oxysrhynchos</i> (Todaro) Soó]	Beaked Spider Orchid
<i>Ophrys pallida</i> Dubbiena Milwija Rafinesque [= <i>O.</i> <i>fusca</i> subsp. <i>pallida</i> (Rafinesque) EG Camus	Pale Green Orchid
<i>Ophrys pectus</i> Mutel Dubbiena Milwija [= ? <i>O. pallida</i> auct. fl. Melit. non Rafinesque]	Reflexed Brown Orchid
<i>Ophrys sicula</i> Tineo Żunżana ż-Żghira [= <i>Ophrys minor</i> (Todaro) Paulus et Gack; <i>O. lutea</i> subsp. <i>minor</i> (Todaro) O Danesch et E Danesch]	Yellow Bee Orchid
<i>Ophrys speculum</i> Link Dubbiena Kahla [= <i>Ophrys ciliata</i> Bivona-Bernardi]	Mirror Orchid; Mirror of Venus
<i>Ophrys sphegodes</i> Brimba Miller s.l. [= <i>Ophrys</i> <i>aranifera</i> Hudson s.l.]	Spider Orchid
<i>Ophrys tenthredinifera</i> Nahla Kbira Willdenow s.l. [= <i>Ophrys</i> <i>tenoreana</i> Lindley s.l.].	Sawfly Orchid
<i>Orchis conica</i> Orkida tat-Tikek Willdenow [= <i>O.</i> <i>pusilla</i> Tyteca; <i>Neotinea tridentata</i> subsp. <i>Conica</i> (Willdenow) Bateman, Pridgeon et Chase]	Milky Orchid
<i>Orchis italica</i> Poiret Hajja u Mejta tal-Werqa Naked-Man Orchid [= <i>Orchis longicruris</i> Fdewxa Link; <i>O. undulatifolia</i> Bivona-Bernardi]	
<i>Orchis lactea</i> Poiret Orkida tat-Tikek [= <i>O. acuminata</i> Desfontaines; <i>Neotinea lactea</i> (Poiret) Bateman]	Milky Orchid
<i>Orchis longicornu</i> Orkida tal-Qrun Poiret [= <i>Anacamptis</i> <i>longicornu</i> (Poiret) Bateman, Pridgeon et Chase]	Horned Orchid/Long- Spurred Orchid

<i>Orchis morio</i> L. s.l. [= <i>Orchis</i> tal-Elmu <i>Anacamptis morio</i> (L.) Bateman, Pridgeon et Chase s.l.]	Green Winged Orchid
<i>Orchis papilionacea</i> Farfett L. s.l. [= <i>Anacamptis</i> <i>papilionacea</i> (L.) Bateman, Pridgeon & Chase s.l.]	Pink Butterfly Orchid
<i>Orchis tridentata</i> Orkidi tat-Tikek Scopoli s.l. [= <i>O.</i> <i>variegata</i> Allioni s.l.; <i>Neotinea tridentata</i> (Scopoli) Bateman, Pridgeon et Chase s.l.]	Milky Orchids
<i>Serapias bergonii</i> E.G. Orkida tal-Ilsien ta' Lvant Camus [= <i>Serapias</i> <i>vomeracea</i> subsp. <i>laxiflora</i> (Soó) Gözl et Reinhard]	Eastern Ploughshare
<i>Serapias cordigera</i> L. Orkida tal-Qalb [= <i>Serapias ovalis</i> Rich.]	Heart-Flowered Tongue Orchid
<i>Serapias lingua</i> L. [= Orkida tal-Ilsien <i>Serapias columnae</i> (Rchb. Fil.) Lojacono]	Tongue Orchid; Tongue Serapias
<i>Serapias vomeracea</i> Orkida tal-Ilsien Kbir (Burm. fil.) Briquet [= <i>Serapias</i> <i>longipetala</i> (Tenore) Pollini]	Ploughshare; Long- Lipped Tongue Orchid
<i>Spiranthes spiralis</i> Hajja u Mejta tal-Harifa (L.) Chevallier [= <i>Spiranthes autumnalis</i> L.C.M. Richard]	Autumn Lady's Tresses
POACEAE	
<i>Ampelodesma mauritanica</i> (Poiret) Durand et Schinz [= <i>Ampelodesma tenax</i> Link]	Dis Diss
RANUNCULACEAE	
<i>Ranunculus fontanus</i> Ċfolloq ta' Ghajn Mula C. Presl [= <i>R.</i> <i>ophioglossifolius</i> var. <i>laevis</i> Chabert; <i>R.</i> <i>ophioglossifolius</i> subsp. <i>fontanus</i> (Presl) Hayek]	Pond Spearwort
<i>Ranunculus ophioglossifolius</i> Villars	Adder's Tongue Spearwort
ROSACEAE	

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Sarcopoterium spinosum (L.) Spach
[= *Poterium spinosum* L.]
Tursin il-Ghul Xewwieki Thorny Burnet

RUBIACEAE

Putoria calabrica Putorja
(L.f.) Persoon s.l. [= *Asperula calabrica* L. fil. s.l.]
Stinking Madder

RUPPIACEAE

Ruppia cirrhosa Ruppja
(Petagna) Grande s.l. [= *Ruppia spiralis* L. ex Dumortier s.l.]
Spiral Tassel-Pondweed

Ruppia drepanensis Ruppja tal-Ghadira
Tineo ex Gussone [= *Ruppia maritima* subsp. *drepanensis* (Tineo) Maire et Weiller; *R. maritima* var. *drepanensis* (Tineo) K. Schum. in Mart.]
Lesser Tassel-Pondweed

Ruppia maritima L. Ruppja tas-Salini
s.l. [= *Ruppia rostellata* Koch; *R. salina* Schur]
Beaked Tassel-Pondweed

ZANNICHELLIACEAE

Zannichellia melitensis Brullo,
Giusso et Lanfranco
[= *Zannichellia palustris* auct. fl. Melit. non L.; = *Z. pedunculata* auct. fl. Melit. non Rchb. in Mössler]
Harira tal-Ilma Maltese Horned-Pondweed".

Substitutes
Schedule VIII to
the principal
regulations.

7. Schedule VIII to the principal regulations shall be substituted by the following new schedule:

"SCHEDULE VIII

**ANIMAL AND PLANT SPECIES OF NATIONAL INTEREST
WHOSE TAKING IN THE WILD AND EXPLOITATION
MAY BE SUBJECT TO MANAGEMENT MEASURES**

Interpretation

1. The abbreviation "spp." following the name of a genus is used to denote all species within that genus.
2. Other references to taxa higher than genus and/or species are for the purposes of information or classification only.
3. The abbreviation "(s.l.)", meaning '*sensu lato*' is used to indicate that the scientific name is used in its most extended meaning.
4. Where required, scientific synonyms of each species or lower taxon are

included in square brackets after the scientific name. These are included to facilitate interpretation of the scientific information provided.

5. A number of scientific names are followed by the abbreviations ‘auct. fl. Melit.’ which refers to the scientific name(s) with which that particular taxon is and/or was recorded in Maltese biodiversity literature; this scientific name is also of legal value, since in some cases, it represents the only reference to species whose proper scientific identification is still uncertain.

6. Where available, vernacular names, in both Maltese and English have been included for each taxon. This information is included for clarification purposes.

(a) ANIMALS
VERTEBRATES

FISH

ACTINOPTERYGII

ANGUILLIFORMES

Anguillidae

<i>Anguilla anguilla</i>	Sallura	Common European Eel
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PERCIFORMES

Serranidae

<i>Epinephelus marginatus</i> [= <i>Epinephelus guaza</i>]	Ċerna	Dusky Grouper
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Scombridae

<i>Thunnus thynnus</i>	Tonn; Tunnaġġ	Blue-Fin Tuna
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Xiphiidae

<i>Xiphias gladius</i>	Pixxispad	Swordfish
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Scianidae

<i>Sciaena umbra</i>	Gurbell, Gurbell Tork	Brown Meagre
<i>Umbrina cirrosa</i>	Gurbell, Gurbell tal-Qawwi	Shi Drum, Corb

SYGNATHIFORMES

Sygnathidae

<i>Syngnathus abaster</i>	Gremxula tal-Baħar Halqa Qasir	Black-Striped Pipefish
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CEPHALASPIDOMORPHI

MYXIONIDAE

Petromyzonidae

<i>Petromyzon marinus</i>	Qalfat	Sea Lamprey
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ELASMOBRANCHII

LAMNIFORMES

Alopiidae

<i>Alopias vulpinus</i>	Pixxivolpi	Thresher Shark
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CARCHARINIFORMES

Carcharhinidae

<i>Carcharhinus brevipinna</i>	Kelb il-Baħar	Spinner Shark
<i>Carcharhinus limbatus</i>	Kelb il-Baħar	Blacktip Shark

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<i>Carcharhinus plumbeus</i>	Kelb Griž	Sandbar Shark
<i>Prionace glauca</i>	Huta Kahla	Blue Shark
Triakidae		
<i>Mustelus asterias</i>	Mazzola tat-Tbajja	Starry Smooth-hound Shark
<i>Mustelus mustelus</i>	Mazzola bla Xewka	Common Smooth-hound Shark
<i>Mustelus punctulatus</i>	Mazzola tat-Tikek Suwed	Blackspotted Smooth-hound Shark

HEXANCHIFORMES

Hexanchidae

<i>Heptranchias perlo</i>	Murrana ta' Seba' Gargi	Sharpnose Sevengill Shark
<i>Hexanchus griseus</i>	Murrana ta' Sitt Gargi	Bluntnose Sixgill Shark

SQUALIFORMES

Centrophoridae

<i>Centrophorus granulosus</i>	Žaghrun	Gulper Shark
<i>Squalus acanthias</i>	Mazzola, Mazzola griza	Spur dogfish, Spiny dogfish

INVERTEBRATES**PORIFERA**

<i>Hippospongia communis</i>	Sponža Xehda	Honeycomb Sponge
<i>Spongia (Spongia) lamella</i> [= <i>Spongia agaricina</i>]	Widnet l-Iljunfant	Elephant's Ear Sponge
<i>Spongia officinalis</i> (<i>Spongia</i>)	Sponža tal-Hasil	Greek Bath Sponge
<i>Spongia zimocca</i>	Sponža Lewn il-Ġilda	Leather Sponge

CRUSTACEA

<i>Homarus gammarus</i>	Iljunfant tal-Bahar	European Lobster
<i>Maja squinado</i>	Għaġuża	Spiny Spider Lobster
<i>Palinurus elephas</i>	Awwista	Common Spiny Lobster
<i>Scyllarus latus</i> [= <i>Scyllarides latus</i>]	Ċkala; Ċkala Hamra	Flat Lobster; European Paddle-Nosed Lobster
<i>Scyllarus pigmaeus</i>	Ċkala	Pygmy Flat Lobster
<i>Scyllarus arctus</i>	Ċkala	Small Flat Lobster

ECHINODERMATA

<i>Paracentrotus lividus</i>	Rizza	Stony Sea-Urchin; Rock-Urchin
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(b) PLANTS**HYMENOMYCETES**

<i>Pleurotus eryngii</i> (DC. Ex Fr.) Quel. s.l.	Faqqiegh tal-Ferla	Oyster Mushroom
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LICHENES

Rocella phycopsis Ach. Lehjet ix-Xih;
[= *Rocella fucoïds* Hażiż tal-Preseppju
Vainio] Rocella

MAGNOLIOPHYTA**Amaryllidaceae**

Narcissus elegans Narċis Imwahhar Skars Elegant Narcissus
(Haworth) Spach

Narcissus tazetta L. s.l. Narċis; Ranċis French Daffodil

Apiaceae

Apium graveolens L. Karfus Selvaġġ Wild Celery

Capparaceae

Capparis orientalis Kappar Caper Bush
Veillard [= *Capparis*
rupestris Sibthorp &
Smith; *C. spinosa*
subsp. *rupestris* (Sm.)
Nyman; *C. spinosa* var.
inermis Turra]

Capparis spinosa L. Kappar tax-Xewk Spiny Caper

Cymodoceaceae

Cymodocea nodosa Alka Rqiqa; Ċimodoċja Lesser Neptune-Grass
(Ucria) Ascherson

Ericaceae

Erica multiflora L. Erika; Issopu; Savina; Mediterranean Heath
Saghtar Ahmar; Lehjet ix-
Xih

Hyacinthaceae

Ornithogalum arabicum L. Halib it-Tajr; Hara taċ- Large Star-of-
Cawl Bethlehem

Ornithogalum narbonense L. Halib it-Tajr il-Komuni Southern Star-of-
Bethlehem

Urginea panchration Ghansar; Maltese Seaside Squill
(Steinheil) Philippe Basal tal-Ghansar

Lamiaceae (= Labiatae)

Ballota nigra L. s.l. Marrubja s-Sewda Black Horehound

Marrubium vulgare L. Marrubja l-Bajda White Horehound

Rosmarinus officinalis L. Klin Rosemary

Salvia fruticosa Miller Salvja Selvaġġa; Salvja ta' Three-Lobed Sage
[= *Salvia triloba* L. Sqallija
fil.]

Salvia officinalis L. Salvja; Salvja tal-Ikel Common Sage

Satureja graeca L. s.l. Sagħrija Griega Greek Savory
[= *Micromeria graeca*
(L.) Benth. s.l.]

Satureja microphylla Xpakkapietra; Xaqq il- Maltese Savory
(D'Urville) Gussone Blat; Sagħtriya;
[= *Micromeria* Spakkapietra
microphylla
(D'Urville) Benth.]

Liliaceae

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<i>Ruscus hypophyllum</i> L.	Belladonna; Rusku	Greater Butcher's Broom
Orchidaceae		
<i>Anacamptis pyramidalis</i> (L.) L.C.M. Richard	Orkida Piramidali	Common Pyramidal Orchid
Ranunculaceae		
<i>Adonis microcarpa</i> DC.	Ghallet is-Serduk; Ghan is-Serduk; Henna	Pheasant's Eye".

