# List of Directive species for which separate or joint reports are expected for currently recognised species

These tables list updates to taxonomy that were identified from work undertaken between 2012 and 2024. These tables are (in theory) dynamic and subject to change.

Table 1 provides an overview of the species listed in the Directive for which a separate or joint report is expected for currently recognised species. As there is no up-to-date taxonomical reference covering all species groups in Europe, the list of species in this table is based on available scientific literature and available information from global and regional taxonomical references and proposals by Member States.

Table 1: Species listed in the Directive for which separate or joint reports are expected for currently recognised species

| **Taxonomical group** | **Name as listed in the Habitats Directive** | **Newly described species** | **Note** |
| --- | --- | --- | --- |
| Vascular Plants | *Apium repens* | *Helosciadium milfontinum*  *Helosciadium repens* | Separate repots |
| Vascular Plants | *Aquilegia alpina* | *Aquilegia alpina*  *Aquilegia lucensis* | Separate reports |
| Vascular Plants | *Aquilegia bertolonii* | *Aquilegia bertolonii*  *Aquilegia ophiolitica*  *Aquilegia reuteri* | Separate reports |
| Vascular Plants | *Asplenium adulterinum* | *Asplenium adulterinum*  *Asplenium presolanense* | Separate reports |
| Vascular Plants | *Centranthus trinervis* | *Centranthus amazonum*  *Centranthus trinervis* | Separate reports |
| Vascular Plants | *Crocus etruscus* | *Crocus etruscus*  *Crocus ilvensis* | Separate reports |
| Vascular Plants | *Festuca summilusitana* | *Festuca summilusitana*  *Festuca gredensis* | Separate reports |
| Vascular Plants | *Isoetes boryana* | *Isoetes boryana*  *Isoetes velatum subsp. asturicense* | Separate reports |
| Vascular Plants | *Lycopodium spp.* | *Lycopodium spp.*  *Diphasiastrum tristachyum*  *Lycopodiella inundata*  *Lycopodium zeilleri* | Joint report mandatory (optional separate reports allowed) |
| Vascular Plants | *Melanoselinum decipiens* | *Angelica lignescens*  *Melanoselinum decipiens* | Separate reports |
| Vascular Plants | *Sideroxylon marmulano* | *Sideroxylon canariensis*  *Sideroxylon mirmulans* | Separate reports |
| Vascular Plants | *Silene longicilia* | *Silene cintrana*  *Silene longicilia* | Separate reports |
| Vascular Plants | *Sorbus teodori* | *Hedlundia teodori s.l.*  *Hedlundia teodori s.str.*  *Hedlundia atrata*  *Hedlundia faohraei* | Separate reports |
| Molluscs | *Congeria kusceri* | *Congeria jalzici*  *Congeria kusceri* | Separate reports |
| Molluscs | *Discus guerinianus* | *Atlantica calathoides*  *Atlantica gueriniana* | Separate reports |
| Molluscs | *Unio crassus* | *Unio crassus*  *Unio tumidiformis* | Separate reports |
| Molluscs | *Unio elongatulus* | *Unio glaucinus*  *Unio mancus*  *Unio pictorum (population previously known as U. elongatulus)*  *Unio ravoisieri* | Separate report for *Unio ravoisieri.*  Joint report for other species of *U. elongatulus* species group |
| Arthropods | *Austropotamobius pallipes* | *Austropotamobius italicus*  *Austropotamobius pallipes* | Joint report under the name *Austropotamobius pallipes* |
| Arthropods | *Austropotamobius torrentium* | *Austropotamobius torrentium*  *Austropotamobius bihariensis* | Separate reports |
| Arthropods | *Carabus variolosus* | *Carabus (variolosus) nodulosus*  *Carabus variolosus* | Separate reports |
| Arthropods | *Euphydryas (Eurodryas, Hypodryas) aurinia* | *Euphydryas aurinia*  *Euphydryas glaciegenita*  *Euphydryas provincialis* | Joint report under the name *Euphydryas aurinia* |
| Arthropods | *Osmoderma eremita* | *Osmoderma barnabita*  *Osmoderma cristinae*  *Osmoderma eremita*  *Osmoderma italicum*  *Osmoderma lassallei* | Separate reports |
| Arthropods | *Zerynthia polyxena* | *Zerynthia cassandra*  *Zerynthia polyxena* | Separate reports |
| Other invertebrates | *Hirudo medicinalis* | *Hirudo medicinalis*  *Hirudo verbana* | Separate reports |
| Lampreys | *Lampetra planeri* | *Lampetra alavariensis*  *Lampetra auremensis*  *Lampetra lusitanica*  *Lampetra planeri* | Separate reports |
| Fish | *Acipenseridae,* all species not mentioned in Annex IV | *Acipenser gueldenstaedtii*  *Acipenser nudiventris*  *Acipenser ruthenus*  *Acipenser stellatus*  *Huso huso* | Separate reports |
| Fish | *Alosa spp.* | *Alosa agone*  *Alosa alosa*  *Alosa fallax*  *Alosa immaculata*  *Alosa killarnensis*  *Alosa macedonica*  *Alosa tanaica*  *Alosa vistonica* | Separate reports |
| Fish | *Aphanius fasciatus* | *Aphanius almiriensis*  *Aphanius fasciatus* | Separate reports |
| Fish | *Aphanius iberus* | *Aphanius baeticus*  *Aphanius iberus* | Separate reports |
| Fish | *Barbus plebejus* | *Barbus bergi*  *Barbus cyclolepis*  *Barbus euboicus*  *Barbus pergamonensis*  *Barbus plebejus*  *Barbus prespensis*  *Barbus sperchiensis*  *Barbus strumicae*  *Barbus tyberinus* | Separate reports |
| Fish | *Barbus meridionalis* | *Barbus balcanicus*  *Barbus caninus*  *Barbus carpathicus*  *Barbus meridionalis*  *Barbus peloponnesius*  *Barbus petenyi* | Separate reports |
| Fish | *Barbus spp.* | *Barbus albanicus*  *Barbus barbus*  *Barbus haasi*  *Barbus macedonicus*  *Barbus waleckii*  *Luciobarbus bocagei*  *Luciobarbus graecus*  *Luciobarbus graellsii*  *Luciobarbus guiraonis*  *Luciobarbus microcephalus*  *Luciobarbus sclateri*  *Luciobarbus steindachneri* | Separate reports |
| Fish | *Chalcalburnus chalcoides* | *Alburnus mandrensis*  *Alburnus mento*  *Alburnus sarmaticus*  *Alburnus sava*  *Alburnus schischkovi*  *Alburnus vistonicus*  *Alburnus volviticus* | Separate reports |
| Fish | *Chondrostoma lusitanicum* | *Iberochondrostoma almacai*  *Iberochondrostoma lusitanicum* | Separate reports |
| Fish | *Chondrostoma polylepis (including C. willkommi)* | *Pseudochondrostoma duriense*  *Pseudochondrostoma polylepis*  *Pseudochondrostoma willkommii* | Separate reports |
| Fish | *Chondrostoma toxostoma* | *Parachondrostoma arrigonis*  *Parachondrostoma miegii*  *Parachondrostoma toxostoma*  *Parachondrostoma turiense* | Separate reports |
| Fish | *Cobitis taenia* | *Cobitis arachthosensis*  *Cobitis bilineata*  *Cobitis calderoni*  *Cobitis dalmatina*  *Cobitis elongatoides*  *Cobitis hellenica*  *Cobitis illyrica*  *Cobitis jadovaensis*  *Cobitis meridionalis*  *Cobitis narentana*  *Cobitis ohridana*  *Cobitis paludica*  *Cobitis pontica*  *Cobitis puncticulata*  *Cobitis punctilineata*  *Cobitis stephanidisi*  *Cobitis strumicae*  *Cobitis tanaitica*  *Cobitis taenia*  *Cobitis vardarensis*  *Cobitis vettonica*  *Cobitis zanandreai* | *Separate reports* |
| Fish | *Coregonus spp. (except Coregonus oxyrhynchus -anadromous populations in certain sectors of the North Sea) –* | *Coregonus albula*  *Coregonus bavaricus*  *Coregonus fontanae*  *Coregonus holsatus*  *Coregonus lucinensis*  *Coregonus pollan*  *Coregonus trybomi* | Separate reports |
| Fish | *Coregonus spp. (except Coregonus oxyrhynchus -anadromous populations in certain sectors of the North Sea) –*  *Coregonus lavaretus group* | *Coregonus arenicolus*  *Coregonus atterensis*  *Coregonus clupeoides*  *Coregonus danneri*  *Coregonus hoferi*  *Coregonus lavaretus*  *Coregonus macrophthalmus*  *Coregonus maraena*  *Coregonus maxillaris*  *Coregonus megalops*  *Coregonus nilssoni*  *Coregonus pallasii*  *Coregonus pennantii*  *Coregonus pidschian*  *Coregonus renke*  *Coregonus stigmaticus*  *Coregonus wartmanni*  *Coregonus widegreni* | *Joint report for ‘Coregonus lavaretus Group’* |
| Fish | *Cottus gobio* | *Cottus aturi*  *Cottus duranii*  *Cottus gobio*  *Cottus haemusi*  *Cottus hispaniolensis*  *Cottus koshewnikowi*  *Cottus metae*  *Cottus microstomus*  *Cottus perifretum*  *Cottus rhenanus*  *Cottus rondeleti*  *Cottus sabaudicus*  *Cottus transsilvaniae* | Separate reports*.* |
| Fish | *Eudontomyzon* spp. | *Eudontomyzon danfordi*  *Eudontomyzon graecus*  *Eudontomyzon hellenicus*  *Eudontomyzon mariae*  *Eudontomyzon vladykovi* | Separate reports |
| Fish | *Gobio albipinnatus* | *Romanogobio belingi*  *Romanogobio vladykovi* | Separate report |
| Fish | *Gobio uranoscopus* | *Romanogobio elimeius*  *Romanogobio skywalkeri*  *Romanogobio uranoscopus* | Separate report |
| Fish | *Leuciscus souffia* | *Squalius keadicus*  *Telestes muticellus*  *Telestes souffia* | Separate reports |
| Fish | *Phoxinellus spp.* | *Delminichthys adspersus*  *Delminichthys ghetaldii*  *Delminichthys jadovensis*  *Delminichthys krbavensis*  *Pelasgus epiroticus*  *Pelasgus laconicus\**  *Pelasgus marathonicus*  *Pelasgus prespensis*  *Pelasgus stymphalicus*  *Pelasgus thesproticus*  *Phoxinellus alepidotus*  *Phoxinellus dalmaticus*  *Phoxinellus pseudalepidotus*  *Telestes beoticus*  *Telestes croaticus*  *Telestes fontinalis*  *Telestes miloradi*  *Telestes pleurobipunctatus* | Separate report |
| Fish | *Pomatoschistus canestrini* | *Economidichthys pygmaeus\**  *Economidichthys trichonis\**  *Knipowitschia goerneri\**  *Knipowitschia milleri\**  *Pomatoschistus canestrinii* | Separate reports |
| Fish | *Rhodeus sericeus amarus* | *Rhodeus amarus*  *Rhodeus meridionalis* | Separate reports |
| Fish | *Rutilus alburnoides* | *Squalius alburnoides*  *Tropidophoxinellus hellenicus*  *Tropidophoxinellus spartiaticus\** | Separate reports |
| Fish | *Rutilus lemmingii* | *Achondrostoma salamantinum*  *Iberochondrostoma lemmingii*  *Iberochondrostoma oretanum* | Separate reports |
| Fish | *Rutilus macrolepidotus* | *Achondrostoma oligolepis*  *Achondrostoma occidentale* | Separate reports |
| Fish | *Rutilus pigus* | *Rutilus pigus*  *Rutilus virgo* | Separate reports |
| Fish | *Rutilus rubilio* | *Rutilus panosi\**  *Rutilus prespensis*  *Rutilus rubilio*  *Rutilus ylikiensis\** | Separate reports |
| Fish | *Sabanejewia aurata* | *Sabanejewia balcanica*  *Sabanejewia baltica*  *Sabanejewia bulgarica*  *Sabanejewia vallachica* | Separate reports |
| Fish | *Salmo macrostigma* | *Salmo ghigii*  *Salmo cetti*  *Salmo fibreni?\**  *Salmo farioides*  *Salmo louroensis\**  *Salmo macedonicus\**  *Salmo pelagonicus\**  *Salmo peristericus\** | Joint report for *Salmo ghigii* and *S. cetti* under the name *Salmo cetti.*  Separate reports for other species. |
| Fish | *Valencia letourneuxi (Valencia hispanica)* | *Valencia hispanica*  *Valencia letourneuxi*  *Valencia robertae* | Separate reports |
| Fish | *Zingel* spp. (except *Zingel asper and Zingel zingel)* | *Zingel balcanicus*  *Zingel streber* | Separate reports |
| Amphibians | *Alytes obstetricans* | *Alytes obstetricans*  *Alytes dickhilleni* | Separate reports for both newly recognised species |
| Amphibians | *Bombina variegata* | *Bombina variegata*  *Bombina pachypus* | Separate reports |
| Amphibians | *Bufo viridis* | *Bufotes viridis*  *Bufotes boulengeri*  *Bufotes balearicus*  *Bufotes cypriensis*  *Bufotes siculus* | Joint report *Bufotes viridis* and *B. balearicus* under the name ‘*Bufotes viridis* Complex’ where both species occur together.  Separate reports for *B. siculus* and *B. boulengeri* |
| Amphibians | *Discoglossus galganoi* (including *Discoglossus ‘jeanneae’*) | *Discoglossus galganoi*  *Discoglossus jeanneae* | Joint report under the name *Discoglossus galganoi* |
| Amphibians | *Euproctus asper* | *Calotriton asper*  *Calotriton arnoldi* | Separate reports |
| Amphibians | *Hydromantes (Speleomantes) imperialis* | *Speleomantes imperialis*  *Speleomantes sarrabusensis* | Separate reports |
| Amphibians | *Hyla arborea* | *Hyla arborea*  *Hyla arborea/Hyla orientalis-complex*  *Hyla molleri*  *Hyla intermedia*  *Hyla savignyi* | Separate reports for *Hyla savignyi, Hyla molleri* and *H. intermedia*  Joint report for *H. arborea* and *H. orientalis as Hyla arborea/H. orientalis-complex only where both species occur together.* |
| Amphibians | *Mertensiella luschani (Salamandra luschani)* | *Lyciasalamandra luschani*  *Lyciasalamandra helverseni* | Separate reports |
| Amphibians | *Rana ridibunda* | *Pelophylax ridibundus*  *Pelophylax bedriagae*  *Pelophylax cretensis*  *Pelophylax cerigensis*  *Pelophylax kurtmuelleri* | Separate reports |
| Amphibians | *Rana temporaria* | *Rana pyrenaica*  *Rana temporaria* | Separate reports |
| Amphibians | *Salamandra aurorae (Salamandra atra aurorae)* | *Salamandra atra aurorae*  *Salamandra atra pasubiensis* | Separate reports |
| Amphibians | *Triturus carnifex (Triturus cristatus carnifex)* | *Triturus carnifex*  *Triturus macedonicus* | Separate reports |
| Amphibians | *Triturus karelinii* (*Triturus cristatus karelinii*) | *Triturus karelinii/Triturus ivanbureschi-complex* | Joint reports as complex |
| Amphibians | *Triturus marmoratus* | *Triturus marmoratus*  *Triturus pygmaeus* | Separate reports |
| Reptiles | *Ablepharus kitaibelii* | *Ablepharus kitaibelii*  *Ablepharus budaki* | Separate reports |
| Reptiles | *Chalcides viridianus* | *Chalcides viridianus*  *Chalcides coeruleopunctatus* | Separate reports |
| Reptiles | *Elaphe longissima* | *Zamenis longissimus*  *Zamenis lineatus* | Separate reports |
| Reptiles | *Elaphe quatuorlineata* | *Elaphe quatuorlineata*  *Elaphe sauromates* | Separate reports |
| Reptiles | *Emys orbicularis* | *Emys orbicularis*  *Emys trinacris* | Separate reports |
| Reptiles | *Lacerta bonnali (Lacerta monticola)* | *Iberolacerta bonnali*  *Iberolacerta aranica*  *Iberolacerta aurelioi\** | Separate reports |
| Reptiles | *Lacerta danfordi* | *Anatololacerta pelasgianaAnatololacerta anatolica* | Separate reports |
| Reptiles | *Lacerta monticola* | *Iberolacerta monticola*  *Iberolacerta cyreni*  *Iberolacerta galani*  *Iberolacerta martinezricai* | Separate reports |
| Reptiles | *Lacerta trilineata* | *Lacerta citrovittata*  *Lacerta trilineata* | Separate reports |
| Reptiles | *Lacerta viridis* | *Lacerta viridis*  *Lacerta bilineata* | Separate reports |
| Reptiles | *Cyrtopodion kotschyi* | *Mediodactylus bartoni*  *Mediodactylus danilewski*  *Mediodactylus kotschyi*  *Mediodactylus oertzeni*  *Mediodactylus orientalis* | Separate reports |
| Reptiles | *Ophiomorus punctatissimus* | *Ophiomorus kardesi*  *Ophiomorus punctatissimus* | Separate reports |
| Reptiles | *Podarcis erhardii* | *Podarcis erhardii*  *Podarcis cretensis*  *Podarcis levendis* | Separate reports |
| Reptiles | *Podarcis milensis* | *Podarcis milensis*  *Podarcis gaigeae* | Separate reports |
| Reptiles | *Podarcis taurica* | *Podarcis tauricus/Podarcis ionicus complex* | Joint reports |
| Reptiles | *Podarcis wagleriana* | *Podarcis waglerianus*  *Podarcis raffoneae* | Separate reports |
| Reptiles | *Vipera ursinii (*except *Vipera ursinii rakosiensis)* | *Vipera graeca*  *Vipera ursinii* | Separate reports |
| Mammals | All other *Microchiroptera[[1]](#footnote-2) - Eptesicus serotinus* | *Eptesicus serotinus*  *Eptesicus isabellinus*  *Eptesicus nilssonii*  *Eptesicus anatolicus* | Separate reports |
| Mammals | *Myotis blythii* | *Myotis oxygnathus*  *Myotis blythii*  *Myotis punicus* | Reports for *Myotis blythii* and *Myotis punicus* are expected. *Myotis oxygnathus* is a synonym of *Myotis blythii*. |
| Mammals | All other *Microchiroptera - Myotis nattereri* | *Myotis nattereri*  *Myotis escalerai*  *Myotis nattereri/Myotis crypticus complex*  *Myotis nustrale* | *Joint report for Myotis nattereri and M. crypticus where M.crypricus is occurring. A separate report for M.nattereri where occurence of M.crypticus can be excluded. . Separate reports for Myotis nustrale and Myotis escalerai.* |
| Mammals | *Rupicapra rupicapra (*except *Rupicapra rupicapra balcanica, Rupicapra rupicapra ornata and Rupicapra rupicapra tatrica)* | *Rupicapra pyrenaica*  *Rupicapra rupicapra* | Separate reports |

Note: The asterix (\*) is used for species where the relationship between the currently recognised species and the species listed in the Annexes of the Directive is unclear or ambiguous. The question mark (?) indicates unresolved cases.

Any newly recognised and widely accepted species which are not included in the table above, for example because they are not yet included in global and regional taxonomical references used as the source for this table, should also be reported separately.

Further changes are expected to this table i.e. to coincide with finalisation of the Article 17 checklist in 2024. This update will be made available on the Reference Portal.

Table 2 includes species listed in the Directive that have been merged into one currently recognised species. In these cases, a joint report including both Directive species should be provided under the currently valid species name (provided in the species checklist).

Table 2: Species listed in the Directive which were merged into one currently recognised species

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxonomical group** | **Name in the Habitats Directive** | **Currently recognised species** | **Note** |
| Plants | *Limonium multiflorum*  *Limonium dodartii* ssp*. lusitanicum* | *Limonium multiflorum* | Joint report for both HD species under the name *Limonium multiflorum.* |
| Molluscs | *Discoglossus jeanneae* *Discoglossus galganoi* | *Discoglossus galganoi* | Joint report for both HD species under the name *Discoglossus galganoi.* |
| Molluscs | *Margaritifera margaritifera Margaritifera durrovensis (Margaritifera margaritifera)* | *Margaritifera margaritífera* | Joint report for both HD species under the name *Margaritifera margaritifera.* |

1. Species to be reported under ‘All other Microchiroptera’ *Eptesicus anatolicus, E. isabellinus, E. nilssonii, E. serotinus, Hypsugo savii, Myotis alcathoe, M. davidii, M. brandtii, M. daubentonii, M. escalerai, M. mystacinus, M. nattereri, Myotis nattereri/Myotis crypticus complex, Myotis nustrale, Nyctalus azoreum, N. lasiopterus, N. leisleri, N. noctula, Pipistrellus hanaki, P. kuhlii, P. maderensis, P. nathusii, P. pipistrellus, P. pygmaeus, Plecotus auritus, P. austriacus, P. gaisleri, P. kolombatovici, P. macrobullaris, P. sardus, P. teneriffae, Tadarida teniotis, Vespertilio murinus* [↑](#footnote-ref-2)