## National Summary for Article 17 - Bulgaria

#### 1 General information

#### 1.1 Number of SCIs and SACs

The table below provides the total number and total area of sites proposed and designated under the Habitats Directive (Sites of Community Importance, SCIs & Special Areas of Conservation, SACs), terrestrial area of sites and number and area of marine sites (i.e. any site with a marine component).

Empty cells in tables mean that the component requested is not applicable.

		All	Terrestrial	Marine				
	No.	Area (km²)	Area (km²)	No.	Area (km²)			
SCIs & SACs	231	33881.5	33270.4	15	611.1			
SACs only	0	0	0	0	0			
	Date of database used: 11-10-2011							

### 1.2 Number of sites with comprehensive management plans (Art. 6(1))

Number of sites for which comprehensive management plans have been adopted: 0

Percentage of network area covered by comprehensive management plans: 0%

Number of sites for which management plans are under preparation (optional): 3

## 2. Number of habitats and species/subspecies

The table in this section gives the number of habitat types and species/subspecies in each Annex of the Habitats Directive by biogeographical and marine regions in Bulgaria. The species and habitats with the following presence status are included in the table: 'present', species of which taxonomy is not clear (SR TAX), species where the link to the corresponding name in the Habitats Directive is not clear (LR), species extinct after the Directive came into force (EX) and optional reports (OP).

Dogion	HABI	TATS	SPECIES							
Region	Ann	ex I	Anno	Annex II		Annex IV		Annex V		
	Non-priority	Priority	Non-priority	Priority	Including those in Annex II	Excluding those in Annex II	Including those in Annex II	Excluding those in Annex II		
Number of habitats &	63	27	113	8	140	62	31	20		
species in the MS	9	90		121		140		31		
Alpine	45	15	62	7	93	45	17	13		
Black Sea	30	16	58	4	89	44	17	12		
Continental	47	25	101	8	129	59	30	19		
Marine Black Sea	6		2		3	1				

#### Additional information:

Number of assessments of marginal habitat types: none

Number of assessments of marginal & occasional species: 1

Number of assessments of newly arriving species: none

Number of species regionally extinct prior the Habitats Directive came into force: 2

Number of species regionally extinct after the Habitats Directive came into force: none

Number of species globally extinct after the Habitats Directive came into force: none

Number of assessments of species/habitat types for which no reports received: none

#### 3. Information on Conservation status

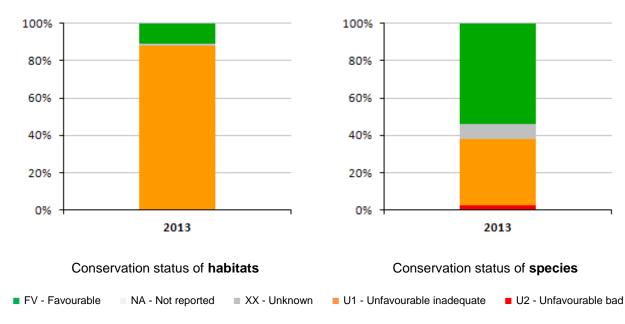
Please note that the figures shown for 2001-2006 and 2007-2012 are not necessarily directly comparable because there can be differences in number of assessments between the reporting rounds, changes in how some features were allocated in biogeographical regions etc.

The following have been excluded from all statistics under section 3:

- Habitats reported as marginal (MAR) or with scientific reserve (SR)
- Species reported as marginal (MAR), occasional (OCC), newly arriving (ARR), regionally extinct
  before the Habitats Directive came into force (PEX) and introduced species (INT). In addition
  reports that give only an information about species without evaluation of the conservation status
- Redundant reports provided for both marine and terrestrial regions for habitats and species and species for which only one, either terrestrial or marine report was expected (IRM).

#### 3.1 a) Overall assessment of conservation status of habitats and species (%)

These figures show the percentage of biogeographical assessments in each category of conservation status for habitats and species, respectively. The information on which these figures are based are presented in the table below the figures (real values).



Year of			HABITAT	s			,	SPECIES		
assessment	FV	NA	xx	U1	U2	FV	NA	XX	U1	U2
2007										
2013	20		2	162		234		35	155	11

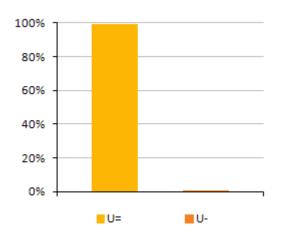
## 3.1 b) Percentage of assessments where the conservation status has changed between the reporting periods

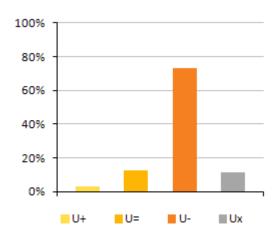
This table shows the percentage of assessments where the Member State has indicated a change between two reporting rounds (2001-2006 and 2007-2012) and the percentages of all reported changes where the change has been reported as a genuine change. Change can be either a change from one conservation status category to another or a change within the same category (within the qualifiers '-', '+'. '=', 'x'). Data have been taken from the 'audit trail table' where the Member State indicates the nature of change. The Member State's results on this audit trail are shown under section 7.

	SPECIES	HABITAT TYPES
% of assessments that changed		
% of total changes considered genuine		

## 3.2 Improving/deteriorating trends of habitats and species with an unfavourable conservation status (%)

These figures show the proportion of unfavourable assessments (U1 & U2) which are improving, deteriorating, stable or unknown.





Habitats - overall trend in Conservation Status

Species – overall trend in Conservation Status

U(+) = unfavourable (inadequate and bad) improving, U(=) = unfavourable stable, U(-) = unfavourable declining, U(x) = unfavourable unknown trend

This table shows trends in conservation status of habitats & species separately for those cases where the overall conclusion is unfavourable inadequate (U1) and unfavourable bad (U2).

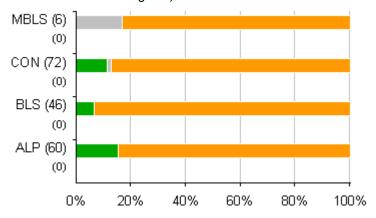
Qualifiers of CS	U1+	U1=	U1-	U1x	U2+	U2=	U2-	U2x
Habitats		161	1					
Species	5	21	110	19			11	

**Note:** U1+ = unfavourable-inadequate improving, U1= = unfavourable-inadequate stable, U1- = unfavourable-inadequate declining, U1x = unfavourable-inadequate trend unknown, U2+ = unfavourable-bad improving, U2= = unfavourable-bad stable, U2- = unfavourable-bad declining, U2x = unfavourable-bad trend unknown

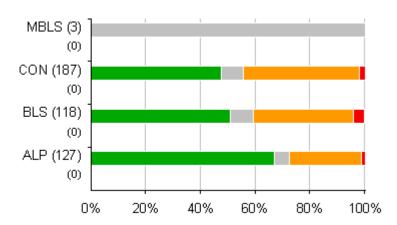
## 3.3 Overall assessment of conservation status of habitats and species by biogeographical/marine region (%)

These figures show the percentage of assessments in each of conservation status category by biogeographical and marine region, for habitats and species, respectively.

Please note that some habitats reported as terrestrial in 2001-2006 have been reported as marine in 2007-2012 (e.g. estuaries). Some species (e.g. seals, marine turtles) which in some cases were reported for both marine and terrestrial regions were only reported for one region in 2007-2012 (this statement only applies to Member States with marine regions).



Conservation status of habitats in biogeographical and marine regions



Conservation status of **species** in biogeographical and marine regions

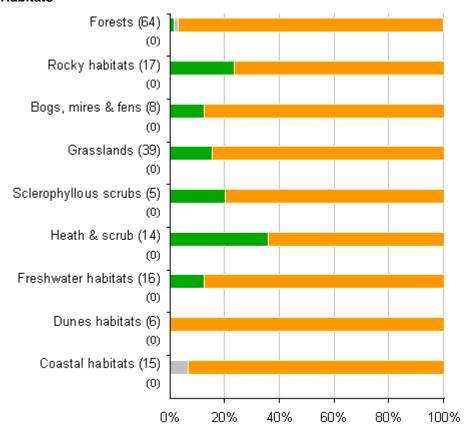
**Note:** wide bar corresponds to the 2007-2012 reporting period, and the narrow bar to the 2001-2006 reporting period. The number in brackets corresponds to the number of biogeographical assessments in the category.

#### 3.4 Overall assessment of conservation status by habitat category/species group (%)

These figures show the percentage of biogeographical and marine assessments in each conservation status category by habitat category and by taxonomic group, for habitats and species, respectively.

The figures show the proportion of assessments in each conservation status class for 2007-2012 (upper bar) and 2001-2006 (lower bar). The information (number of assessments) on which these figures are based are presented in the tables below each figure (real values).

#### **Habitats**



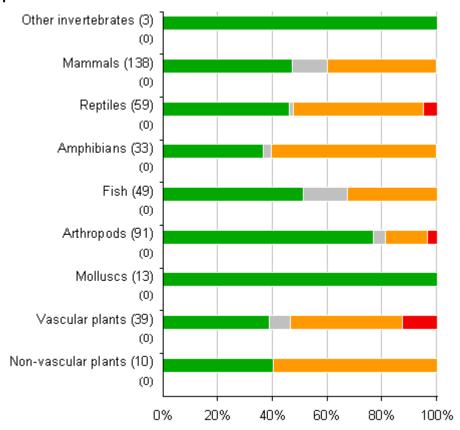
Conservation status of habitats in biogeographical and marine regions

**Note:** wide bar corresponds to the 2007-2012 reporting period, and the narrow bar to the 2001-2006 reporting period. The number in brackets corresponds to the number of biogeographical assessments in the category.

Group	Year of									
Стоир	assessment	FV	NA	XX	U1	U2				
Forests	2007									
	2013	1		1	62					
Rocky habitats	2007									
	2013	4			13					
Bogs, mires & fens	2007									
	2013	1			7					
Grasslands	2007									
	2013	6			33					
Sclerophyllous scrubs	2007									
	2013	1			4					
Heath & scrub	2007									
	2013	5			9					
Freshwater habitats	2007									
	2013	2			14					
Dunes habitats	2007									
	2013				6					
Coastal habitats	2007									
	2013			1	14					

NB: Coastal habitats cover coastal and halophytic habitats (code 1xxx) and Dunes habitat types cover coastal sand dunes and inland dunes (code 2xxx) as listed in the Habitats Directive

## **Species**



Conservation status of **species** in biogeographical and marine regions

**Note:** wide bar corresponds to the 2007-2012 reporting period, and the narrow bar to the 2001-2006 reporting period. The number in brackets corresponds to the number of biogeographical assessments in the category.

•	_	• .		0 ,		
0	Year of	Year of				
Group	assessment	FV	NA	XX	U1	U2
Other invertebrates	2007					
	2013	3				
Mammals	2007					
	2013	65		18	55	
Reptiles	2007					
	2013	27		1	28	3
Amphibians	2007					
	2013	12		1	20	
Fish	2007					
	2013	25		8	16	
Arthropods	2007					
	2013	70		4	14	3
Molluscs	2007					
	2013	13				
Vascular plants	2007					
	2013	15		3	16	5
Non-vascular plants	2007					
	2013	4			6	

#### 3.5 Reasons for change in reported values of parameters (%)

This table provides information on reasons for changes of values reported for the parameters 'Range', 'Area (habitat)', 'Population' and 'Habitat for the species' between reporting periods 2001-2006 and 2007-2012. The table gives the percentage of habitats/species assessments for which a particular reason for change in values was reported. The reporting format lists three principal reasons for change: genuine change, better knowledge/data and use of different method.

Reason for change	Hab	itats	Species/subspecies			
	Surface area of range	Surface area of habitat	Surface area of range	Population size	Area of habitat for the species	
Genuine change			2	0		
Better knowledge/data	93	95	43	44	46	
Use of different method	95	95	50	49	51	

Note: More than one reason for change can be reported for each habitat and species.

## 4 Frequency of main pressures and threats (%) 1

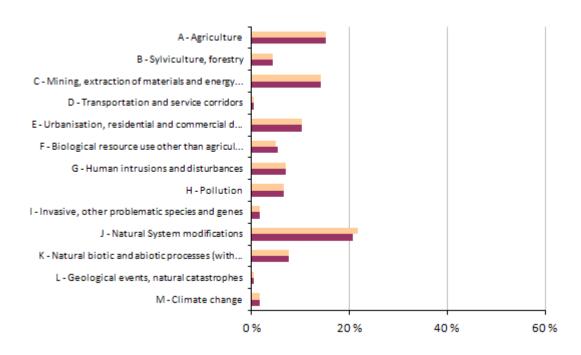
This section provides information on the relative importance of pressures and threats (aggregated to level 1) reported for habitats and species. The figures show the percentage of biogeographical assessments reported as being affected by one or more pressures or threats categorised as of 'high importance'. The information for the number of pressures and threats on which these figures are based are presented in the tables below the figures.

<sup>&</sup>lt;sup>1</sup> The following have been excluded:

<sup>•</sup> Habitats reported as marginal or with scientific reserve.

Species reported as marginal, occasional, newly arriving, regionally extinct before the Habitats Directive came into force and introduced species. In addition reports that give only an information about species without evaluation of the conservation status.

Redundant reports provided for both marine and terrestrial regions for habitats and species and species for which only
one, either terrestrial or marine report was expected.



% of **habitat assessments** reported as being affected by one or more 'high' importance pressures/threats

■ pressure ■ threat

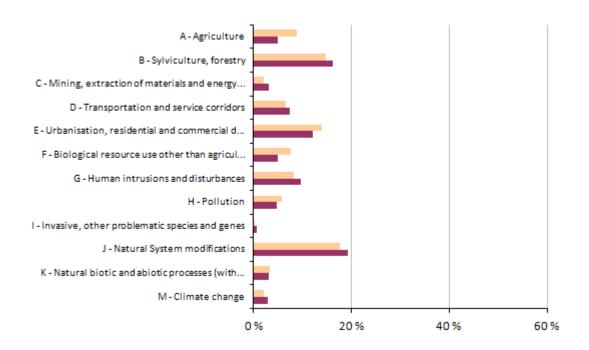
Note: Threats and pressures categories not reported are omitted.

Total number of assessments considered in the calculation: 184

Number of assessments with no high ranking threats (or no threats at all reported): 92

Number of assessment with no high ranking pressures (or no pressures at all): 91

	HABI	TATS
Pressures and threats	Number of threats	Number of pressures
A - Agriculture	28	28
B - Sylviculture, forestry	8	8
C - Mining, extraction of materials and energy production	26	26
D - Transportation and service corridors	1	1
E - Urbanisation, residential and commercial development	19	19
F - Biological resource use other than agriculture & forestry	10	9
G - Human intrusions and disturbances	13	13
H - Pollution	12	12
I - Invasive, other problematic species and genes	3	3
J - Natural System modifications	38	40
K - Natural biotic and abiotic processes (without catastrophes)	14	14
L - Geological events, natural catastrophes	1	1
M - Climate change	3	3



% of **species assessments** reported as being affected by one or more 'high' importance pressures/threats

■ pressure ■ threat

Note: Threats and pressures categories not reported are omitted.

Total number of assessments considered in the calculation: 435

Number of assessments with no high ranking threats (or no threats at all reported): 229

Number of assessment with no high ranking pressures (or no pressures at all): 228

December and thursts	SPE	CIES
Pressures and threats	Number of threats	Number of pressures
A - Agriculture	22	39
B - Sylviculture, forestry	71	64
C - Mining, extraction of materials and energy production	14	9
D - Transportation and service corridors	32	29
E - Urbanisation, residential and commercial development	53	61
F - Biological resource use other than agriculture & forestry	22	33
G - Human intrusions and disturbances	42	36
H - Pollution	21	25
I - Invasive, other problematic species and genes	3	1
J - Natural System modifications	84	77
K - Natural biotic and abiotic processes (without catastrophes)	14	15
M - Climate change	13	9

## 5 Natura 2000 coverage and conservation measures <sup>2</sup>

Note: The figures under section 5 cover only Annex I habitat types and Annex II species.

## 5.1 Natura 2000 coverage (%)

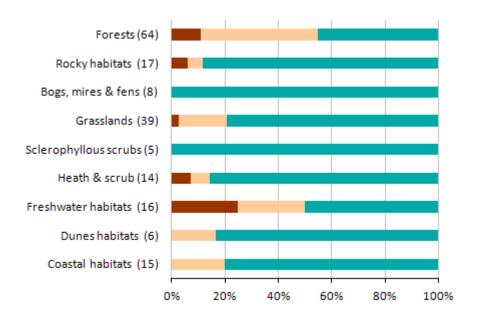
This section presents statistics on the coverage of Annex I habitats and Annex II species in Natura 2000 sites by habitat category/species group. These figures show the percentage of habitats/species assessments in three classes based on coverage by Natura 2000 sites, for habitats and species, respectively. The geometric mean is used if Member States have reported minimum and maximum values. The information for the number of assessments per coverage by Natura 2000 on which these figures are based are presented in the tables below the figures (real values). Please note that these statistics are based on Article 17 data and are independent from the results of the Biogeographical Seminars.

<sup>&</sup>lt;sup>2</sup> The following have been excluded:

<sup>•</sup> Habitats reported as marginal or with scientific reserve.

Species reported as marginal, occasional, newly arriving, regionally extinct before the Habitats Directive came into force and introduced species. In addition reports that give only an information about species without evaluation of the conservation status.

<sup>•</sup> Redundant reports provided for both marine and terrestrial regions for habitats and species and species for which only one, either terrestrial or marine report was expected.

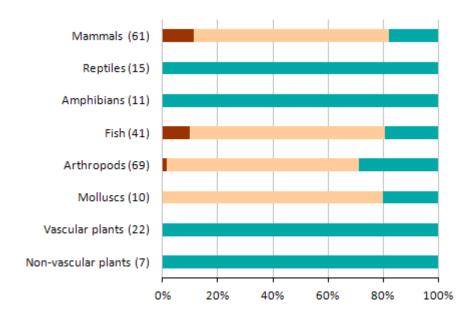


% of habitat assessments in 3 classes of coverage by Natura 2000 sites

coverage by Natura 2000 sites : ■ 0-24% ■ 25-74% ■ 75-100%

Note: The number in brackets corresponds to the number of biogeographical assessments in the habitat category.

Croup		HABITATS							
Group	0-24%	25-74%	75-100%	unknown					
Forests	7	28	29						
Rocky habitats	1	1	15						
Bogs, mires & fens			8						
Grasslands	1	7	31						
Sclerophyllous scrubs			5						
Heath & scrub	1	1	12						
Freshwater habitats	4	4	8						
Dunes habitats		1	5						
Coastal habitats		3	12						



% of species assessments in 3 classes of coverage by Natura 2000 sites

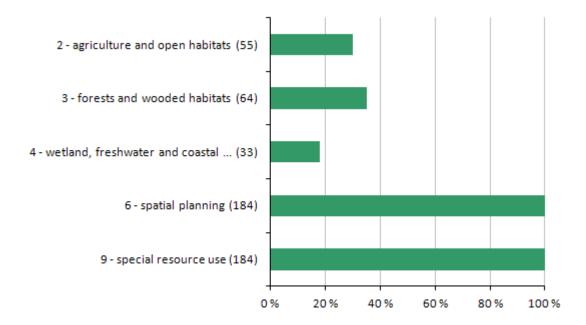
coverage by Natura 2000 sites : ■ 0-24% ■ 25-74% ■ 75-100%

Note: The number in brackets corresponds to the number of biogeographical assessments in the species category.

Croup		SPECIES							
Group	0-24%	25-74%	75-100%	unknown					
Mammals	7	43	11	2					
Reptiles			15	1					
Amphibians			11						
Fish	4	29	8						
Arthropods	1	48	20	1					
Molluscs		8	2						
Vascular plants			22	1					
Non-vascular plants			7	1					

## 5.2 Main conservation measures (%)

This section provides information on the relative importance of conservation measures at level 1 implemented during the reporting period 2007-2012 for Annex I habitats and Annex II species. The figures show the percentage of biogeographical assessments for which one or more 'high importance' conservation measures was implemented. Measures not reported are omitted.

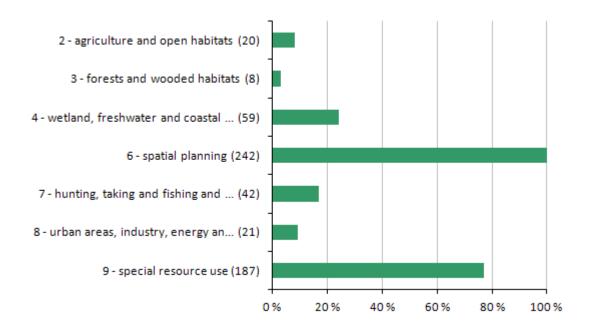


% of **habitat assessments** for which one or more 'high' importance measures were reported

**Note:** Numbers in brackets correspond to the number of assessments where measure 1, 2, etc. is noted as being of high importance. Occasional and extinct habitat types have been included in calculations.

Total number of assessments considered in the calculation: 184

Number of assessments with no high ranking conservation measures or no conservation measures at all reported: **none** 



% of **species assessments** for which one or more 'high' importance measures were reported

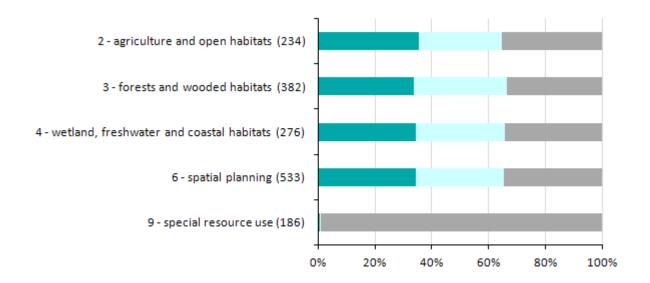
**Note:** Numbers in brackets correspond to the number of assessments where measure 1, 2, etc. is noted as being of high importance. Occasional and extinct species have been included in calculations.

Total number of assessments considered in the calculation: 242

Number of assessments with no high ranking conservation measures or no conservation measures at all reported: **none** 

#### 5.3 Impact of conservation measures (%)

This section provides information on the effects of implemented conservation measures for each level 1 measure category. The figures show, for each level 1 measure category, the frequency of reported effects. The information for the number of assessments per measure category on which these figures are based are presented in the tables below the figures (full names of the measures are shown in the tables).

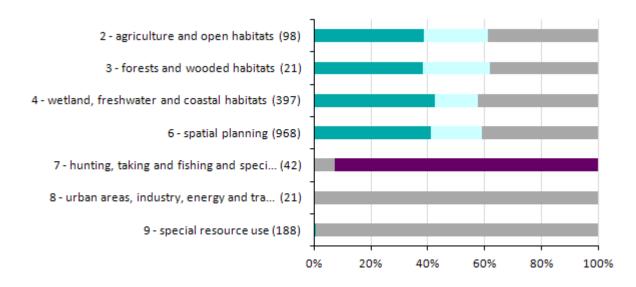


% of **habitat assessments** for which a particular effect of a measure was reported

■ maintain ■ enhance ■ longterm ■ no effect ■ unknown or not evaluated

**Note**: The numbers in brackets correspond to the numbers of biogeographical assessments for which one or more 'high' importance measure was reported.

		HABITATS								
Measure	maintain	enhance	longterm		unknown or not evaluated					
2 - Measures related to agriculture and open habitats	83	68	83							
3 - Measures related to forests and wooded habitats	128	126	128							
4 - Measures related to wetland, freshwater and coastal habitats	95	86	95							
6 - Measures related to spatial planning	184	165	184							
9 - Measures related to special resource use	1	1	184							



% of **species assessments** for which a particular effect of a measure was reported

■ maintain ■ enhance ■ longterm ■ no effect ■ unknown or not evaluated

**Note**: The numbers in brackets correspond to the numbers of biogeographical assessments for which one or more 'high' importance measure was reported.

Measure		SPECIES							
		enhance	longterm		unknown or not evaluated				
2 - Measures related to agriculture and open habitats	38	22	38						
3 - Measures related to forests and wooded habitats	8	5	8						
4 - Measures related to wetland, freshwater and coastal habitats	168	61	168						
6 - Measures related to spatial planning	396	176	396						
7 - Measures related to hunting, taking and fishing and species management			3		39				
8 - Measures related to urban areas, industry, energy and transport			21						
9 - Measures related to special resource use	1		187						

## 6 Data quality and completeness <sup>3</sup>

The aim of this section is to provide an overview of the data gaps in the report; most of these gaps are due to insufficient knowledge. This section does not refer to potential errors or technical problems in the Member State's report and concentrates on what is relevant for evaluating data completeness.

The tables give percentages of habitats/species assessments with unknown or missing information for components of conservation status and conclusions.

<sup>3</sup> The statistics on missing information take into account that for the plant species listed in Annex V at the genus level only 'Overall assessment of conservation status' and 'Overall trend' are mandatory. The same approach was used for the species extinct after the Habitats Directive came into force.

## 6.1 a) Percentage of mandatory information that is missing (%)

## **Habitats**

	Area	0
Habitot rango	Trend	0
Habitat range	Reference value	0
	Conclusion	0
	Area	0
Habitat area	Trend	0
	Reference value	0
	Conclusion	0
Structure & functions	Conclusion	0
Future prospects	Conclusion	0
Pressures	s & threats	0
Natura 2000	Coverage	0
Natura 2000	Measures	0
	Conclusion	0
Overall	Trend	0
	Maps	0

## **Species**

	Area	0
Charles rongs	Trend	0
Species range	Reference value	0
	Conclusion	0
	Size	0
0	Trend	0
Species population	Reference value	0
	Conclusion	0
	Area	0
11.1%	Trend	0
Habitat for species	Area of suitable habitat*	0
	Conclusion	0
Future prospects	Conclusion	0
Pressures	s & threats	0
Noture 2000	Coverage	0
Natura 2000	Measures	0
	Conclusion	0
Overall	Trend	0
	Maps	0

<sup>\*</sup>This field is a mandatory field in the reporting format, however there is an inconsistency between the reporting format and the evaluation matrix as raised in the FAQ dated 14.2.2013

## 6.1 b) Percentage of mandatory information reported as unknown (%)

## **Habitats**

	Area	0
Lighitat ranga	Trend	99
Habitat range	Reference value	1.1
	Conclusion	0.5
	Area	0
Habitat area	Trend	101
	Reference value	0
	Conclusion	0.5
Structure & functions	Conclusion	0.5
Future prospects	Conclusion	1.1
Pressures	s & threats	0
Natura 2000	Coverage	0
Natura 2000	Measures	0
	Conclusion	1.1
Overall	Trend	0
	Maps	0

## **Species**

	Area	5
Charles range	Trend	93
Species range	Reference value	7
	Conclusion	8
	Size	6
Consiss namulation	Trend	87
Species population	Reference value	9
	Conclusion	11
	Area	5
Lightest for angeles	Trend	89
Habitat for species	Area of suitable habitat*	26
	Conclusion	9
Future prospects	Conclusion	12
Pressures	s & threats	5
Natura 2000	Coverage	2
ivaluid 2000	Measures	0
	Conclusion	8
Overall	Trend	11
	Maps	5

<sup>\*</sup>This field is a mandatory field in the reporting format, however there remained an inconsistency between the reporting format and the evaluation matrix as raised in the FAQ dated 14.2.2013

#### 6.2 Methods used to estimate values or trends in Member State reports (%)

This section presents information about the quality of estimated values and trends in habitat and species biogeographical reports. For some parameters and trends, the reporting format requires an indication of which of three methods (complete survey or a statistically robust estimate, partial data with some extrapolation and/or modelling, expert opinion with no or minimal sampling) have been used to estimate the values or trends. The tables in this section present percentage of habitats/species assessments for which values were estimated by each of the three methods mentioned above.

#### **Habitats**

	Мар	Range	Area	Area trend	Str.&Funct.	N2000	Average
Expert opinion (%)	0	0	0	0	0	1	0
Extrapolation (%)	100	100	100	2	98	99	83
Complete survey (%)	0	0	0	0	2	0	0
Absent data (%)	0	0	0	98	0	0	16

#### **Species**

	Мар	Range	Population	Pop. trend	Habitat	N2000*	Average
Expert opinion (%)	0	0	12	8	2	5	5
Extrapolation (%)	95	94	81	6	91	92	76
Complete survey (%)	1	1	1	1	3	0	1
Absent data (%)	4	5	6	85	5	2	18

<sup>\*</sup>This column covers only Annex II species

#### Source of information:

Link to the national general report on CDR

Link to the national report for habitats on CDR

Link to the national report for species on CDR

Other links (national links to be provided by the Member State)

### 7. List of habitats and species reported and their conservation status

This section lists habitats and species reported by the Member State and the overall conclusions on their conservation status for the reporting period 2001-2006 (indicated as 2007) and 2007-2012 (indicated as 2013). Information from the audit trail has been used for this list and its focus is on what was reported in 2013.

There are two tables for habitats and species if relevant for the Member State. The second table includes only habitats or species with a status OCC, SR, MAR etc. Please note that occurrences e.g. OCC if only reported in 2007, are included only in the second table.

In addition the list includes information provided by the Member State on the nature of change in the overall conservation status between the reporting periods.

#### The codes are the following:

- a = there is a genuine change: the overall conservation status improved (or deteriorated) due to natural or non-natural reasons (management, intervention, etc.)
- b1 = the change observed is due to more accurate data (e.g. better mapping of distribution) or improved knowledge (e.g. on ecology of species or habitat)
- b2 = the change observed is due to a taxonomic review: one taxon becoming several taxa, or vice versa
- c1 = the change observed is due to use of different methods to measure or evaluate individual parameters or the overall conservation status
- c2 = the change observed is mainly due to the use of different thresholds e.g. to fix Favourable reference values
- d = no information about the nature of change
- e = the change observed is due to less accurate or absent data than the one used in the previous reporting period
- nc = no change (e.g. overall trend in conservation status only evaluated in 2013 but assumed to be the same in 2007 or not known)

#### Habitats reported by Bulgaria

Group	Name	Code	Year	ALP	BLS	CON	MBLS
Forests	(Sub-) Mediterranean pine forests with endemic black pines	9530	2013 2007	U1=		U1=	
	Acidophilous Picea forests of the montane to alpine levels (Vaccinio-Piceetea)	9410	2013 2007	U1=		U1=	
	Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)	91E0	2013 2007	U1=	U1=	U1=	
	Asperulo-Fagetum beech forests	9130	2013 2007	U1=		U1=	
	Bog woodland	91D0	2013 2007	U1=		U1=	
	Castanea sativa woods	9260	2013 2007	U1=		U1=	
	Eastern white oak woods	91AA	2013 2007	U1=	U1=	U1=	
	Endemic forests with Juniperus spp.	9560	2013 2007	U1=		U1=	
	Euro-Siberian steppic woods with Quercus spp.	9110	2013 2007	U1=	U1=	U1=	
	Galio-Carpinetum oak-hornbeam forests	9170	2013 2007	U1=	FV	U1=	
	Hellenic beech forests with Abies borisii-regis	9270	2013 2007	U1=		XX	
	High oro-Mediterranean pine forests	95A0	2013 2007	U1=			
	Luzulo-Fagetum beech forests	9110	2013 2007	U1=		U1=	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Modio European limeatone hasah	9150	2012	U1=	U1=	U1=	
	Medio-European limestone beech forests of the Cephalanthero-Fagion	9.120	2013 2007	UI=	UI=	UI=	
	Moesian beech forests	91W0	2013 2007	U1=		U1=	
	Moesian silver fir forests	91BA	2013 2007	U1=		U1=	
	Moesian silver lime woods	91Z0	2013 2007	U1=	U1=	U1=	
	Pannonian woods with Quercus pubescens	91H0	2013 2007	U1=	U1=	U1=	
	Pannonian-Balkanic turkey oak – sessile oak forests	91M0	2013 2007	U1=	U1=	U1=	
	Pannonic woods with Quercus petraea and Carpinus betulus	91G0	2013 2007	U1=	U1=	U1=	
	Platanus orientalis and Liquidambar orientalis woods (Platanion orientalis)	92C0	2013 2007	U1=		U1=	
	Rhodopide and Balkan Range Scots pine forests	91CA	2013 2007	U1=		U1=	
	Riparian mixed forests of Quercus robur, Ulmus laevis and Ulmus minor, Fraxinus excelsior or Fraxinus	91F0	2013 2007		U1=	U1=	
	Salix alba and Populus alba galleries	92A0	2013 2007	U1=	U1=	U1=	
	Southern riparian galleries and thickets (Nerio-Tamaricetea and Securinegion tinctoriae)	92D0	2013 2007		U1=	U1=	
	Tilio-Acerion forests of slopes, screes and ravines	9180	2013 2007	U1=	U1=	U1=	
	Western Pontic beech forests	91S0	2013 2007		U1=	U1=	
Rocky habitats	Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)	8120	2013 2007	FV		FV	
	Calcareous rocky slopes with chasmophytic vegetation	8210	2013 2007	FV	U1=	U1=	
	Caves not open to the public	8310	2013 2007	U1=	U1=	U1=	
	Siliceous rock with pioneer vegetation of the Sedo-Scleranthion or of the Sedo albi-Veronicion dillenii	8230	2013 2007	U1=	U1=	U1=	
	Siliceous rocky slopes with chasmophytic vegetation	8220	2013 2007	U1=	FV	U1=	
	Siliceous scree of the montane to snow levels (Androsacetalia alpinae and Galeopsietalia ladani)	8110	2013 2007	U1=		U1=	
	Submerged or partially submerged sea caves	8330	2013 2007				U1=
Bogs, mires & fens	Alkaline fens	7230	2013 2007	U1=		U1=	
	Calcareous fens with Cladium mariscus and species of the Caricion davallianae	7210	2013 2007			FV	
	Petrifying springs with tufa formation (Cratoneurion)	7220	2013 2007	U1=	U1=	U1=	
	Transition mires and quaking bogs	7140	2013 2007	U1=		U1=	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
Grasslands	Alluvial meadows of river valleys of the Cnidion dubii	6440	2013 2007			U1=	
	Alpine and subalpine calcareous grasslands	6170	2013 2007	U1=			
	Eastern sub-Mediterranean dry grasslands (Scorzoneratalia villosae)	62A0	2013 2007	U1=	U1=	U1=	
	Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	6430	2013 2007	U1=	U1=	U1=	
	Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	6510	2013 2007	FV	FV	U1=	
	Mediterranean tall humid grasslands of the Molinio-Holoschoenion	6420	2013 2007	FV		FV	
	Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	6410	2013 2007	U1=		FV	
	Mountain hay meadows	6520	2013 2007	U1=		U1=	
	Oro-Moesian acidophilous grasslands	62D0	2013 2007	U1=		U1=	
	Pannonic loess steppic grasslands	6250	2013 2007			U1=	
	Pannonic sand steppes	6260	2013 2007			U1=	
	Ponto-Sarmatic steppes	62C0	2013 2007		U1=	U1=	
	Pseudo-steppe with grasses and annuals of the Thero-Brachypodietea	6220	2013 2007	U1=	U1=	U1=	
	Rupicolous calcareous or basophilic grasslands of the Alysso-Sedion albi	6110	2013 2007	FV	U1=	U1=	
	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (*	6210	2013 2007	U1=	U1=	U1=	
	Siliceous alpine and boreal grasslands	6150	2013 2007	U1=		U1=	
	Species-rich Nardus grasslands, on silicious substrates in mountain areas (and submountain areas in	6230	2013 2007	U1=		U1=	
	Sub-Pannonic steppic grasslands	6240	2013 2007	U1=	U1=	U1=	
Sclerophyllous scrubs	Arborescent matorral with Juniperus spp.	5210	2013 2007	U1=	U1=	U1=	
	Juniperus communis formations on heaths or calcareous grasslands	5130	2013 2007	FV		U1=	
Heath & scrub	Alpine and Boreal heaths	4060	2013 2007	U1=		FV	
	Bushes with Pinus mugo and Rhododendron hirsutum (Mugo- Rhododendretum hirsuti)	4070	2013 2007	U1=		U1=	
	Endemic oro-Mediterranean heaths with gorse	4090	2013 2007	FV	U1=	U1=	
	European dry heaths	4030	2013 2007		U1=		
	Ponto-Sarmatic deciduous thickets	40C0	2013 2007			U1=	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Rhodope Potentilla fruticosa thickets	40B0	2013 2007	FV			
	Sub-Arctic Salix spp. scrub	4080	2013 2007	FV		FV	
	Subcontinental peri-Pannonic scrub	40A0	2013 2007		U1=	U1=	
Freshwater habitats	Hard oligo-mesotrophic waters with benthic vegetation of Chara spp.	3140	2013 2007	U1=	U1=	U1=	
	Natural dystrophic lakes and ponds	3160	2013 2007	U1=		FV	
	Natural eutrophic lakes with Magnopotamion or Hydrocharition —	3150	2013 2007	U1=	U1=	U1=	
	type vegetation Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the	3130	2013 2007	U1=		FV	
	Rivers with muddy banks with Chenopodion rubri p.p. and Bidention p.p. vegetation	3270	2013 2007	U1=	U1=	U1=	
	Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	3260	2013 2007	U1=	U1=	U1=	
Dunes habitats	Embryonic shifting dunes	2110	2013 2007		U1=		
	Fixed coastal dunes with herbaceous vegetation ("grey dunes")	2130	2013 2007		U1=		
	Humid dune slacks	2190	2013 2007		U1=		
	Pannonic inland dunes	2340	2013 2007			U1=	
	Shifting dunes along the shoreline with Ammophila arenaria ('white dunes')	2120	2013 2007		U1=		
	Wooded dunes of the Atlantic, Continental and Boreal region	2180	2013 2007		U1=		
Coastal habitats	Annual vegetation of drift lines	1210	2013 2007		U1=		
	Coastal lagoons	1150	2013 2007		U1=		
	Estuaries	1130	2013 2007				U1=
	Inland salt meadows	1340	2013 2007			U1=	
	Large shallow inlets and bays	1160	2013 2007				U1=
	Mediterranean salt meadows (Juncetalia maritimi)	1410	2013 2007		U1=	U1=	
	Mudflats and sandflats not covered by seawater at low tide	1140	2013 2007				U1=
	Pannonic salt steppes and salt marshes	1530	2013 2007		U1=	U1=	
	Reefs	1170	2013 2007				XX
	Salicornia and other annuals colonizing mud and sand	1310	2013 2007		U1=	U1=	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Sandbanks which are slightly covered by sea water all the time	1110	2013 2007				U1-
	Vegetated sea cliffs of the Mediterranean coasts with endemic Limonium spp.	1240	2013 2007		U1=		

# Habitat types reported as scientific reserve (SR), marginal (MAR), invalid report in marine region (IRM) etc. (only listed when a scientific reserve etc has been reported)

Group	Name	Code	Year	ALP	BLS	CON
Forests	High oro-Mediterranean pine forests	95A0	2013 2007			SR XX
	Southern riparian galleries and thickets (Nerio-Tamaricetea and Securinegion tinctoriae)	92D0	2013 2007	SR XX		
Sclerophyllous scrubs	Juniperus communis formations on heaths or calcareous grasslands	5130	2013 2007		SR U1=	

## Species reported by Bulgaria

Group	Name	Code	Year	ALP	BLS	CON	MBLS
Non-vascular plants	Buxbaumia viridis	1386	2013	FV		U1=	
Non-vasculai plants	Duxbaumia vinuis	1300	2007	1 V		01-	
	Dicranum viride	1381	2013 2007	FV		U1=	
	Hamatocaulis vernicosus	6216	2013 2007	U1=		U1=	
	Mannia triandra	1379	2013 2007	FV			
	Meesia longiseta	1389	2013 2007	FV			
	Sphagnum spp.	1409	2013 2007	U1=		U1=	
Vascular plants	Aldrovanda vesiculosa	1516	2013 2007			U1-	
	Artemisia eriantha	1763	2013 2007	FV			
	Centaurea immanuelis-loewii	4080	2013 2007			FV	
	Centaurea jankae	2253	2013 2007			FV	
	Crambe tataria	4091	2013 2007		U2-	U1-	
	Cypripedium calceolus	1902	2013 2007	U2-			
	Dactylorhiza kalopissii	4103	2013 2007	U1-		U2-	
	Echium russicum	4067	2013 2007	FV		U1-	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Eleocharis carniolica	1898	2013 2007			XX	
	Fritillaria drenovskii	1846	2013 2007	FV			
	Fritillaria gussichiae	1845	2013 2007	FV		FV	
	Galanthus nivalis	1866	2013 2007		U1+	U1+	
	Gentiana lutea	1657	2013 2007	FV		U1-	
	Gladiolus palustris	4096	2013 2007	U1-			
	Himantoglossum caprinum	2327	2013 2007	U1-	U1-	U1-	
	Ligularia sibirica	1758	2013 2007	U1-			
	Lindernia procumbens	1725	2013 2007			U1-	
	Lycopodium spp.	1413	2013 2007	U1-		FV	
	Marsilea quadrifolia	1428	2013 2007			U2-	
	Moehringia jankae	2079	2013 2007			XX	
	Ophrys argolica	1904	2013 2007		FV		
	Potentilla emilii-popii	2125	2013 2007		XX	U1-	
	Ramonda serbica	1739	2013 2007			FV	
	Ruscus aculeatus	1849	2013 2007	FV	FV	FV	
	Tozzia carpathica	4116	2013 2007	U2-		U1-	
	Viola delphinantha	1590	2013 2007	FV			
Molluscs	Anisus vorticulus	4056	2013 2007		FV	FV	
	Helix pomatia	1026	2013 2007	FV	FV	FV	
	Theodoxus transversalis	4064	2013 2007			FV	
	Unio crassus	1032	2013 2007	FV	FV	FV	
	Vertigo angustior	1014	2013 2007		FV	FV	
	Vertigo moulinsiana	1016	2013 2007		FV	FV	
Arthropods	Apatura metis	1066	2013 2007			FV	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Astacus astacus	1091	2013 2007	FV		FV	
	Austropotamobius torrentium	1093	2013 2007	FV		FV	
	Bolbelasmus unicornis	4011	2013 2007		U1-	U1-	
	Carabus hungaricus	4013	2013 2007			U2-	
	Carabus menetriesi pacholei	1914	2013 2007			FV	
	Carabus variolosus	4014	2013 2007	FV		FV	
	Catopta thrips	4028	2013 2007		U2-	U2-	
	Cerambyx cerdo	1088	2013 2007	FV	FV	U1-	
	Coenagrion ornatum	4045	2013 2007	FV	FV	FV	
	Coenonympha oedippus	1071	2013 2007		FV		
	Cordulegaster heros	4046	2013 2007	FV		FV	
	Cucujus cinnaberinus	1086	2013 2007	U1-	U1-	U1-	
	Dioszeghyana schmidtii	4032	2013 2007	FV	FV	FV	
	Erannis ankeraria	4033	2013 2007			FV	
	Eriogaster catax	1074	2013 2007	FV		FV	
	Euphydryas aurinia	1065	2013 2007	FV	FV	FV	
	Euphydryas maturna	6169	2013 2007		FV	FV	
	Euplagia quadripunctaria	6199	2013 2007	FV	FV	FV	
	Hyles hippophaes	1077	2013 2007		XX	XX	
	Lignyoptera fumidaria	4037	2013 2007			FV	
	Limoniscus violaceus	1079	2013 2007			FV	
	Lopinga achine	1067	2013 2007			XX	
	Lucanus cervus	1083	2013 2007	FV	FV	FV	
	Lycaena dispar	1060	2013 2007	FV	FV	FV	
	Maculinea arion	1058	2013 2007	FV	FV	FV	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Morimus funereus	1089	2013 2007	FV	FV	U1-	
	Nymphalis vaualbum	4039	2013 2007	FV		FV	
	Ophiogomphus cecilia	1037	2013 2007	FV	FV	FV	
	Osmoderma eremita	1084	2013 2007	U1-	U1-	U1-	
	Paracaloptenus caloptenoides	4053	2013 2007	FV	FV	U1-	
	Parnassius apollo	1057	2013 2007	FV		FV	
	Parnassius mnemosyne	1056	2013 2007	FV	FV	FV	
	Phengaris nausithous	6179	2013 2007			FV	
	Pilemia tigrina	4020	2013 2007	FV		FV	
	Polyommatus eroides	4042	2013 2007	FV		FV	
	Probaticus subrugosus	4022	2013 2007		U1-	FV	
	Proserpinus proserpina	1076	2013 2007	FV	FV	FV	
	Rhysodes sulcatus	4026	2013 2007	U1-		U1-	
	Rosalia alpina	1087	2013 2007	FV	FV	FV	
	Saga pedo	1050	2013 2007			XX	
	Zerynthia polyxena	1053	2013 2007	FV	FV	FV	
Fish	Acipenser gueldenstaedtii	5040	2013 2007		XX	XX	
	Acipenser ruthenus	2487	2013 2007			XX	
	Acipenser stellatus	2488	2013 2007		XX	XX	
	Alburnus mandrensis	5288	2013 2007		FV	FV	
	Alburnus sarmaticus	5291	2013 2007			U1-	
	Alburnus schischkovi	5290	2013 2007		FV		
	Alosa immaculata	4125	2013 2007		FV	FV	
	Alosa tanaica	4127	2013 2007		FV	FV	
	Aspius aspius	1130	2013 2007		U1-	U1-	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Barbus barbus	5085	2013 2007			XX	
	Barbus bergi	5265	2013 2007		FV	FV	
	Barbus cyclolepis	5088	2013 2007	FV		FV	
	Barbus meridionalis	1138	2013 2007	FV		FV	
	Cobitis elongata	2533	2013 2007			U1-	
	Cobitis taenia	1149	2013 2007	FV	FV	FV	
	Cottus gobio	1163	2013 2007	U1-		U1-	
	Eudontomyzon mariae	2484	2013 2007			U1-	
	Gobio kessleri	2511	2013 2007			U1-	
	Gobio uranoscopus	1122	2013 2007	U1-		U1-	
	Gobio vladykovi	6158	2013 2007			U1-	
	Gymnocephalus baloni	2555	2013 2007			FV	
	Gymnocephalus schraetzer	1157	2013 2007			FV	
	Huso huso	2489	2013 2007		XX	XX	
	Leuciscus souffia	1131	2013 2007	FV			
	Misgurnus fossilis	1145	2013 2007		U1-	U1-	
	Pelecus cultratus	2522	2013 2007			U1-	
	Rhodeus amarus	5339	2013 2007	FV	FV	FV	
	Sabanejewia aurata	1146	2013 2007	U1-		U1-	
	Umbra krameri	2011	2013 2007			FV	
	Zingel streber	1160	2013 2007			FV	
	Zingel zingel	1159	2013 2007			FV	
Amphibians	Bombina bombina	1188	2013 2007		U1-	FV	
	Bombina variegata	1193	2013 2007	FV		FV	
	Bufo viridis	1201	2013 2007	U1x	U1-	U1x	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Hyla arborea	1203	2013 2007	U1=	U1-	U1x	
	Pelobates fuscus	1197	2013 2007		U1-	U1x	
	Pelobates syriacus	1200	2013 2007		U1-	U1x	
	Rana dalmatina	1209	2013 2007	FV	FV	FV	
	Rana esculenta	1210	2013 2007		XX	FV	
	Rana graeca	1208	2013 2007	U1x		U1x	
	Rana ridibunda	1212	2013 2007	FV	FV	FV	
	Rana temporaria	1213	2013 2007	U1x		U1x	
	Triturus cristatus	1166	2013 2007	U1-		U1-	
	Triturus dobrogicus	1993	2013 2007			FV	
	Triturus karelinii	1171	2013 2007	FV	U1-	U1-	
	Triturus macedonicus	5364	2013 2007	U1-			
Reptiles	Ablepharus kitaibelii	1276	2013 2007	FV	FV	FV	
	Coluber caspius	1278	2013 2007	FV	U1-	FV	
	Coluber najadum	1286	2013 2007	XX		FV	
	Coronella austriaca	1283	2013 2007	FV	U1-	U1-	
	Cyrtopodion kotschyi	1228	2013 2007		FV	FV	
	Elaphe longissima	1281	2013 2007	U1-	U1-	U1-	
	Elaphe quatuorlineata	1279	2013 2007			U1-	
	Elaphe sauromates	5194	2013 2007		U1-	U1-	
	Elaphe situla	1293	2013 2007		U2-	U1-	
	Emys orbicularis	1220	2013 2007	U1-	U1-	U1-	
	Eryx jaculus	1277	2013 2007			U1-	
	Lacerta agilis	1261	2013 2007	U1-	U1-	U1-	
	Lacerta trilineata	1251	2013 2007		U1=	FV	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Lacerta viridis	1263	2013 2007	FV	FV	FV	
	Mauremys caspica	1222	2013 2007		U1-	U1-	
	Natrix tessellata	1292	2013 2007	FV	U1-	FV	
	Ophisaurus apodus	1269	2013 2007		U1-	U1-	
	Ophisops elegans	1268	2013 2007			FV	
	Podarcis erhardii	1238	2013 2007	FV		FV	
	Podarcis muralis	1256	2013 2007	FV	FV	FV	
	Podarcis taurica	1248	2013 2007	FV	FV	FV	
	Telescopus fallax	1289	2013 2007			U1x	
	Testudo graeca	1219	2013 2007	FV	U2-	U1-	
	Testudo hermanni	1217	2013 2007	FV	U2-	U1-	
	Vipera ammodytes	1295	2013 2007	FV	U1-	U1x	
Mammals	Barbastella barbastellus	1308	2013 2007	U1-	U1-	U1-	
	Canis aureus	1353	2013 2007	FV	FV	FV	
	Canis lupus	1352	2013 2007	FV	FV	FV	
	Cricetus cricetus	1339	2013 2007			XX	
	Delphinus delphis	1350	2013 2007				XX
	Dryomys nitedula	1342	2013 2007	FV	FV	FV	
	Eptesicus serotinus	1327	2013 2007	FV	U1-	U1-	
	Felis silvestris	1363	2013 2007	U1x	U1x	U1x	
	Hypsugo savii	5365	2013 2007	FV	FV	FV	
	Lutra lutra	1355	2013 2007	FV	FV	FV	
	Lynx lynx	1361	2013 2007	U1+	U1+	U1+	
	Martes martes	1357	2013 2007	XX	XX	XX	
	Mesocricetus newtoni	2609	2013 2007		FV	FV	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Miniopterus schreibersii	1310	2013 2007	U1=	FV	U1=	
	Muscardinus avellanarius	1341	2013 2007	FV	U1x	U1x	
	Mustela eversmanii	2633	2013 2007		FV	FV	
	Mustela putorius	1358	2013 2007	XX	XX	XX	
	Myomimus roachi	2617	2013 2007		FV	FV	
	Myotis alcathoe	5003	2013 2007	XX	XX	XX	
	Myotis aurascens	5004	2013 2007	FV	U1-	U1-	
	Myotis bechsteinii	1323	2013 2007	U1-	U1-	U1-	
	Myotis blythii	1307	2013 2007	U1=	FV	U1=	
	Myotis brandtii	1320	2013 2007	XX		XX	
	Myotis capaccinii	1316	2013 2007	U1=	FV	U1=	
	Myotis daubentonii	1314	2013 2007	FV	U1-	U1-	
	Myotis emarginatus	1321	2013 2007	FV	FV	FV	
	Myotis myotis	1324	2013 2007	U1=	FV	U1=	
	Myotis mystacinus	1330	2013 2007	FV	U1-	U1-	
	Myotis nattereri	1322	2013 2007	FV	U1-	U1-	
	Nyctalus lasiopterus	1328	2013 2007	XX	U1-	U1-	
	Nyctalus leisleri	1331	2013 2007	FV	U1-	U1-	
	Nyctalus noctula	1312	2013 2007	FV	U1-	U1-	
	Phocoena phocoena	1351	2013 2007				XX
	Pipistrellus kuhlii	2016	2013 2007	XX	U1-	U1-	
	Pipistrellus nathusii	1317	2013 2007	FV	U1-	U1-	
	Pipistrellus pipistrellus	1309	2013 2007	FV	FV	FV	
	Pipistrellus pygmaeus	5009	2013 2007	FV	FV	FV	
	Plecotus auritus	1326	2013 2007	FV	U1-	U1-	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Plecotus austriacus	1329	2013 2007	FV	U1-	U1-	
			2007				
	Rhinolophus blasii	1306	2013	U1=	FV	U1=	
			2007				
	Rhinolophus euryale	1305	2013	U1=	FV	FV	
			2007				
	Rhinolophus ferrumequinum	1304	2013	FV	FV	FV	
			2007				
	Rhinolophus hipposideros	1303	2013	FV	FV	FV	
	Transciopinae rappeelaeree	1000	2007				
	Rhinolophus mehelyi	1302	2013	U1x	U1x	U1x	
	Kriinolophus menelyi	1302	2013	UIX	UIX	UIX	
	Desired as a second sec	4074	0040	E/ /		114	
	Rupicapra rupicapra balcanica	1371	2013 2007	FV		U1=	
	Spermophilus citellus	1335	2013 2007	FV	FV	FV	
	Tadarida teniotis	1333	2013	FV		FV	
			2007				
	Tursiops truncatus	1349	2013				XX
			2007				
	Ursus arctos	1354	2013	FV		U1=	
			2007				
	Vespertilio murinus	1332	2013	FV	XX	U1-	
			2007				
	Vormela peregusna	2635	2013	FV	FV	FV	
		-330	2007				
Other invertebrates	Hirudo medicinalis	1034	2013	FV	FV	FV	
Other invertebrates	i iliado iliculolitalis	1034	2013	1 0	1 0	1 0	

Species reported as occasional (OCC), newly arriving (ARR), extinct prior the Habitats Directive came into force (PEX), marginal (MAR), invalid report in marine region (IRM) or introduced (INT) etc. (only listed when an occasional species etc has been reported). In addition species with optional reports (OP) and scientific reserves (SR) are listed here.

Group	Name	Code	Year	ALP	BLS	CON	MBLS
Vanaulau planta	Calabia una ananani una	2205	2042			CD	
Vascular plants	Colchicum arenarium	2285	2013 2007			SR	
	Gladiolus palustris	4096	2013 2007			SR XX	
Arthropods	Arytrura musculus	4027	2013 2007		SR	SR	
	Colias myrmidone	4030	2013 2007			SR	
	Erannis ankeraria	4033	2013 2007		SR		
	Pseudophilotes bavius	4043	2013 2007			SR	
Fish	Acipenser nudiventris	5041	2013 2007		PEX	PEX	

Group	Name	Code	Year	ALP	BLS	CON	MBLS
	Alburnus schischkovi	5290	2013 2007			SR	
	Alosa immaculata	4125	2013 2007				IRM XX
	Alosa tanaica	4127	2013 2007				IRM XX
	Barbus strumicae	5263	2013 2007	N/SR TAX		N/SR TAX	
	Cobitis pontica	5300	2013 2007		SR		
Amphibians	Triturus dobrogicus	1993	2013 2007		SR XX		
Mammals	Eptesicus nilssonii	1313	2013 2007	SR XX			
	Myotis dasycneme	1318	2013 2007			OCC XX	