

## Detailed final conclusions on the representation of animal species from Res. No. 6 (1998) of the Bern Convention in proposed Emerald sites in Belarus and Russia (Arctic, Boreal and Alpine-Urals)

Code	Species Name	iso	biogeo	Final Concl.	Final Conclusion Comments
<b>Mammals</b>					
1308	Barbastella barbastellus	BY	BOR	SUF	
1318	Myotis dasycneme	BY	BOR	IN MOD	e.g. Vitebsk region
1318	Myotis dasycneme	RU	ALP	IN MOD	South Urals
1318	Myotis dasycneme	RU	BOR	IN MOD	
1324	Myotis myotis	BY	BOR	EXCL REF LIST	
1337	Castor fiber	BY	BOR	IN MOD/IN MIN	IN MOD for NE part of the country, IN MIN for the rest
1337	Castor fiber	RU	ALP	IN MOD	S and N
1337	Castor fiber	RU	ARC	EXCL REF LIST	
1337	Castor fiber	RU	BOR	IN MOD	e.g. Karelia, Kaluga and Kostroma, Murmansk oblasts
1351	Phocoena phocoena	RU	ARC	IN MOD/CD	Barents sea
1351	Phocoena phocoena	RU	BOR	EXCL REF LIST/CD	
1352	Canis lupus	BY	BOR	IN MOD	Mogilev region (Cherikovsky, Surazhsky reserve, Babinowichsky)
1352	Canis lupus	RU	ALP	IN MIN	in S part of Northern Urals
1352	Canis lupus	RU	ARC	IN MOD	
1352	Canis lupus	RU	BOR	IN MOD	
1354	Ursus arctos	BY	BOR	IN MOD	Surazhsky reserve
1354	Ursus arctos	RU	ALP	IN MIN	N of Urals
1354	Ursus arctos	RU	ARC	SUF	
1354	Ursus arctos	RU	BOR	IN MOD	
1355	Lutra lutra	BY	BOR	IN MOD	
1355	Lutra lutra	RU	ALP	IN MOD	present in S part of N section
1355	Lutra lutra	RU	ARC	IN MOD	Komi
1355	Lutra lutra	RU	BOR	IN MOD/IN MIN	

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1356	Mustela lutreola	BY	BOR	SR	Surazhsky, Lowat reserve and Luchosa river.
1356	Mustela lutreola	RU	ALP	IN MOD	N Urals
1356	Mustela lutreola	RU	ARC	IN MOD	Boloto Okean and NE border
1356	Mustela lutreola	RU	BOR	IN MOD	
1361	Lynx lynx	BY	BOR	IN MOD	e.g. Surazhsky reserve, Cherikovsky, Babinowichsky
1361	Lynx lynx	RU	ALP	SUF	
1361	Lynx lynx	RU	ARC	SUF	
1361	Lynx lynx	RU	BOR	IN MOD	
1364	Halichoerus grypus	RU	ARC	SR	
1364	Halichoerus grypus	RU	BOR	SUF/CD	SUF in Baltic sea. CD for the White sea
1365	Phoca vitulina	RU	ARC	SR	Barents sea
1365	Phoca vitulina	RU	BOR	EXCL REF LIST/CD	Kandalakhsa
1910	Pteromys volans	BY	BOR	SR REF	Surazhsky reserve
1910	Pteromys volans	RU	ALP	IN MOD	
1910	Pteromys volans	RU	ARC	EXCL REF LIST	
1910	Pteromys volans	RU	BOR	IN MOD	
1911	Alopex lagopus	RU	ARC	IN MOD	
1911	Alopex lagopus	RU	BOR	EXCL REF LIST/CD	
1912	Gulo gulo	RU	ALP	IN MIN	N Urals
1912	Gulo gulo	RU	ARC	IN MOD	
1912	Gulo gulo	RU	BOR	IN MOD	N part of region
1937	Rangifer tarandus fennicus	RU	ALP	SR	Taxonomy
1937	Rangifer tarandus fennicus	RU	ARC	SR	Taxonomy
1937	Rangifer tarandus fennicus	RU	BOR	IN MOD/CD	e.g.Karelia. CD for the Southern most site
1938	Phoca hispida bottnica	RU	BOR	SUF/CD	CD for the population assesment
2022	Ursus maritimus	RU	ARC	IN MOD/CD	IN MOD Novaja Zemla. CD for Kola peninsula
2022	Ursus maritimus	RU	BOR	EXCL REF LIST/CD	
2025	Odobenus rosmarus	RU	ARC	IN MOD	
2025	Odobenus rosmarus	RU	BOR	EXCL REF LIST/CD	
2604	Desmana moschata	RU	BOR	IN MOD	W part of the range
2641	Phoca hispida ladogensis	RU	BOR	IN MOD	S part of the lake
2647	Bison bonasus	BY	BOR	SUF	SUF for Boreal, 1 site to be checked/added for CONT

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2647	Bison bonasus	RU	BOR	IN MOD	e.g. Tver, Vologda

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<b>Reptiles</b>					
1220	Emys orbicularis	BY	BOR	IN MIN	Krassny bor
1220	Emys orbicularis	RU	ALP	SR	S part
1220	Emys orbicularis	RU	BOR	IN MAJ	

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<b>Amphibians</b>					
1166	Triturus cristatus	BY	BOR	IN MOD/CD	1 more site will be added Cherekovsky. CD for population assesment
1166	Triturus cristatus	RU	ALP	IN MAJ	Bashkortostan
1166	Triturus cristatus	RU	BOR	IN MOD	
1188	Bombina bombina	BY	BOR	IN MOD/CD	CD for pop.assesment
1188	Bombina bombina	RU	BOR	IN MOD	Niznegorodskaja oblast, maybe - Smolensk.

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<b>Fish</b>					
1095	<i>Petromyzon marinus</i>	RU	BOR	EXCL REF LIST	
1096	<i>Lampetra planeri</i>	BY	BOR	IN MOD	for example: Luchesa, Obol and Ula rivers
1096	<i>Lampetra planeri</i>	RU	BOR	IN MOD	
1099	<i>Lampetra fluviatilis</i>	BY	BOR	IN MAJ	Viliya and Tartak river
1099	<i>Lampetra fluviatilis</i>	RU	BOR	IN MOD	
1106	<i>Salmo salar</i>	BY	BOR	IN MAJ	Viliya
1106	<i>Salmo salar</i>	RU	ALP	SUF	
1106	<i>Salmo salar</i>	RU	ARC	IN MIN	River Chornaja
1106	<i>Salmo salar</i>	RU	BOR	IN MOD	Karelia (White Sea coast), Basin of Severnaya Dvina
1124	<i>Gobio albipinnatus</i> ( <i>Romanogobio belingi</i> )	RU	BOR	IN MAJ	
1130	<i>Aspius aspius</i>	BY	BOR	IN MOD	Rivers of N and NE: Soz, Dniepr, Est Biarezina and Obol
1130	<i>Aspius aspius</i>	RU	ALP	IN MOD/IN MIN	S Urals (IN MIN), N Urals (IN MOD)
1130	<i>Aspius aspius</i>	RU	BOR	IN MIN	to cover all distribution area
1134	<i>Rhodeus sericeus amarus</i>	BY	BOR	IN MOD/CD	rivers of N and NE: Soz, Besed and Luczes. CD for revising of population assesments
1134	<i>Rhodeus sericeus amarus</i>	RU	BOR	IN MOD/IN MIN	IN MOD Smolensk oblast - IN MIN for the rest, e.g. Volga, Neva
1145	<i>Misgurnus fossilis</i>	BY	BOR	IN MOD	Rivers of N and NE: Luchesa, Obol, Besed and Bobr
1145	<i>Misgurnus fossilis</i>	RU	ALP	EXCL REF LIST	
1145	<i>Misgurnus fossilis</i>	RU	BOR	IN MOD/IN MIN	
1149	<i>Cobitis taenia</i>	BY	BOR	IN MOD/CD	E part: Besed and Soz rivers. CD for Revision of pop. assesments.
1149	<i>Cobitis taenia</i>	RU	ALP	IN MIN	
1149	<i>Cobitis taenia</i>	RU	BOR	IN MOD/IN MIN	IN MOD - Smolensk. IN MIN - rest, e.g. Volhov river, mid and low Volga, Oka, Kama, Neva
1163	<i>Cottus gobio</i>	BY	BOR	IN MOD/CD	CD for correction of pop. assesments. rivers E part: Besed and Soz
1163	<i>Cottus gobio</i>	RU	ALP	IN MIN	N Urals
1163	<i>Cottus gobio</i>	RU	ARC	IN MOD	E section of the ARC region
1163	<i>Cottus gobio</i>	RU	BOR	IN MOD/IN MIN	
2484	<i>Eudontomyzon mariae</i>	BY	BOR	IN MAJ	Dniepr, West and East Biarezina, Besed, Soz, and Neman?

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2484	Eudontomyzon mariae	RU	BOR	IN MOD	Smolensk and Brjansk oblast
2522	Pelecus cultratus	BY	BOR	IN MAJ	Dniepr, Sozl and East Biarezina
2522	Pelecus cultratus	RU	BOR	IN MOD	depends on region - IN MOD Smolensk, IN MIN Kama
4009	Phoxinus percnurus	BY	BOR	IN MAJ	consider: lake Borowucha, Reservoir Rudeia and West Biarezina river - Poloczany
4009	Phoxinus percnurus	RU	ALP	SUF	
4009	Phoxinus percnurus	RU	ARC	IN MIN	
4009	Phoxinus percnurus	RU	BOR	SR	SR for Smolensk/Brjansk and for central region
5312	Cobitis arachthosensis	BY	BOR	CD	Error
5339	Rhodeus amarus	BY	BOR	CD	Merge with 1134

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<b>Invertebrates</b>					
1013	<i>Vertigo geyeri</i>	BY	BOR	SR REF	
1013	<i>Vertigo geyeri</i>	RU	BOR	SUF/CD	Should be "A" site
1014	<i>Vertigo angustior</i>	BY	BOR	IN MAJ	3-4 sites
1014	<i>Vertigo angustior</i>	RU	BOR	IN MOD	present in at least 5-6 localities
1015	<i>Vertigo genesii</i>	BY	BOR	SR REF	
1015	<i>Vertigo genesii</i>	RU	BOR	SUF	
1016	<i>Vertigo moulinsiana</i>	BY	BOR	IN MAJ	3 sites
1016	<i>Vertigo moulinsiana</i>	RU	ALP	EXCL REF LIST	
1016	<i>Vertigo moulinsiana</i>	RU	BOR	IN MOD	present in at least 3 more oblasts (e.g. Moscow oblast)
1029	<i>Margaritifera margaritifera</i>	RU	ARC	IN MAJ	Present in Kola peninsula? Western Litsa River
1029	<i>Margaritifera margaritifera</i>	RU	BOR	IN MOD	
1032	<i>Unio crassus</i>	BY	BOR	IN MOD	e.g. Central part
1032	<i>Unio crassus</i>	RU	BOR	IN MOD	
1037	<i>Ophiogomphus cecilia</i>	BY	BOR	IN MOD	
1037	<i>Ophiogomphus cecilia</i>	RU	ALP	IN MOD	Present in both - S and N Urals
1037	<i>Ophiogomphus cecilia</i>	RU	ARC	SR	
1037	<i>Ophiogomphus cecilia</i>	RU	BOR	IN MOD	e.g.Karelia, Leningrad oblasts
1042	<i>Leucorhinia pectoralis</i>	BY	BOR	IN MOD/IN MIN	
1042	<i>Leucorhinia pectoralis</i>	RU	ALP	IN MAJ	S Urals
1042	<i>Leucorhinia pectoralis</i>	RU	BOR	IN MOD	
1045	<i>Coenagrion hylas</i>	RU	ALP	EXCL REF LIST	
1045	<i>Coenagrion hylas</i>	RU	ARC	SR	
1052	<i>Euphydryas maturna</i>	BY	BOR	IN MOD/CD	E part. CD for pop.assessment
1052	<i>Euphydryas maturna</i>	RU	ALP	IN MOD	S part of Urals, may be in N part
1052	<i>Euphydryas maturna</i>	RU	ARC	SUF	
1052	<i>Euphydryas maturna</i>	RU	BOR	IN MOD	
1059	<i>Maculinea teleius</i>	RU	ALP	SR	S Urals
1059	<i>Maculinea teleius</i>	RU	BOR	SUF	
1060	<i>Lycaena dispar</i>	BY	BOR	IN MOD/CD	
1060	<i>Lycaena dispar</i>	RU	ALP	IN MAJ	S Urals
1060	<i>Lycaena dispar</i>	RU	BOR	IN MOD	e.g Kizhy



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1061	Maculinea nausithous	RU	ALP	SR	S Urals
1065	Euphydryas aurinia	BY	BOR	IN MOD/CD	CD of pop.assessment
1065	Euphydryas aurinia	RU	ALP	IN MAJ	S Urals
1065	Euphydryas aurinia	RU	BOR	IN MOD	
1071	Coenonympha oedippus	RU	BOR	EXCL REF LIST/CD	
1078	Callimorpha quadripunctaria	RU	ALP	SR	
1078	Callimorpha quadripunctaria	RU	BOR	SR	
1081	Dytiscus latissimus	BY	BOR	IN MOD/CD	CD of pop.assesments
1081	Dytiscus latissimus	RU	ALP	IN MOD	S Urals
1081	Dytiscus latissimus	RU	ARC	EXCL REF LIST	
1081	Dytiscus latissimus	RU	BOR	IN MOD	
1082	Graphoderus bilineatus	BY	BOR	IN MOD	More sites (~2) in S and N
1082	Graphoderus bilineatus	RU	ALP	SR	
1082	Graphoderus bilineatus	RU	BOR	IN MOD	
1083	Lucanus cervus	BY	BOR	EXCL REF LIST/CD	
1083	Lucanus cervus	RU	ALP	SUF	
1083	Lucanus cervus	RU	BOR	IN MOD	Udmurtia and elsewhere
1084	Osmoderma eremita	BY	BOR	IN MOD/CD	
1084	Osmoderma eremita	RU	ALP	SUF	
1084	Osmoderma eremita	RU	BOR	IN MOD	e.g. Smolensk oblast and Rjazan
1086	Cucujus cinnaberinus	BY	BOR	IN MOD	2 more sites
1086	Cucujus cinnaberinus	RU	BOR	IN MOD/CD	
1087	Rosalia alpina	RU	ALP	IN MOD	S Urals
1088	Cerambyx cerdo	BY	BOR	EXCL REF LIST	
1919	Agathidium puchellum	BY	BOR	EXCL REF LIST	
1920	Boros schneideri	BY	BOR	IN MOD	W part
1920	Boros schneideri	RU	BOR	IN MOD	Pskov and elsewhere
1923	Mesosa myops	BY	BOR	SR	
1923	Mesosa myops	RU	ALP	SR	
1923	Mesosa myops	RU	BOR	IN MOD	at least Pskov, Leningrad, Moscow oblasts
1924	Oxyporus mannerheimii	BY	BOR	SR	
1924	Oxyporus mannerheimii	RU	BOR	IN MAJ	e.g. Karelia, Pskov

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1925	<i>Pytho kolwensis</i>	RU	BOR	IN MOD	Several in Karelia, many in Leningrad oblast
1926	<i>Stepanopachys linearis</i>	BY	BOR	SR	
1926	<i>Stepanopachys linearis</i>	RU	BOR	SR	more sites in Karelia and Murmansk?
1927	<i>Stepanopachys substriatus</i>	BY	BOR	SR	
1927	<i>Stepanopachys substriatus</i>	RU	ALP	SR	
1927	<i>Stepanopachys substriatus</i>	RU	BOR	IN MAJ	e.g. Vladimir oblast
1929	<i>Aradus angularis</i>	RU	ARC	EXCL REF LIST	
1929	<i>Aradus angularis</i>	RU	BOR	IN MOD	
1930	<i>Agriades glandon aquilo</i>	RU	ALP	SR	Taxonomy
1930	<i>Agriades glandon aquilo</i>	RU	ARC	IN MOD	Taxonomy ?
1930	<i>Agriades glandon aquilo</i>	RU	BOR	SUF	
1931	<i>Clossiana improba</i>	RU	ARC	SUF	
1931	<i>Clossiana improba</i>	RU	BOR	EXCL REF LIST	
1932	<i>Erebia medusa polaris</i>	RU	BOR	IN MOD	Murmansk
1934	<i>Xestia borealis</i>	RU	BOR	SUF	
1935	<i>Xestia brunneopicta</i>	RU	BOR	SUF	
4021	<i>Phryganophilus ruficollis</i>	BY	BOR	SR	
4021	<i>Phryganophilus ruficollis</i>	RU	BOR	IN MAJ	e.g. Karelia, Leningrad and elsewhere
4026	<i>Rhysodes sulcatus</i>	RU	ALP	EXCL REF LIST	
4030	<i>Colias myrmidone</i>	RU	BOR	IN MOD	
4036	<i>Leptidea morsei</i>	RU	ALP	SR	
4036	<i>Leptidea morsei</i>	RU	ARC	EXCL REF LIST	
4036	<i>Leptidea morsei</i>	RU	BOR	IN MOD	
4038	<i>Lycaena helle</i>	BY	BOR	IN MAJ	1 site (Berezensky)
4038	<i>Lycaena helle</i>	RU	ALP	IN MOD	
4038	<i>Lycaena helle</i>	RU	ARC	IN MOD	Kola peninsula
4038	<i>Lycaena helle</i>	RU	BOR	IN MOD	e.g. Karelia
4039	<i>Nymphalis vaualbum</i>	BY	BOR	SR	
4039	<i>Nymphalis vaualbum</i>	RU	ALP	IN MOD	
4039	<i>Nymphalis vaualbum</i>	RU	ARC	EXCL REF LIST	
4039	<i>Nymphalis vaualbum</i>	RU	BOR	IN MOD	SW part

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4042	<i>Polyommatus eroides</i>	RU	BOR	IN MAJ	
4044	<i>Xylomoia strix</i>	RU	BOR	IN MAJ	1 site St.Petersburg
4056	<i>Anisus vorticulus</i>	BY	BOR	IN MAJ	1 site (Drsvjati ozero)
4056	<i>Anisus vorticulus</i>	RU	BOR	IN MOD	Pskov, Tver, Novgorod

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