

Annotated checklist of the molluscs of the Baltic countries

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Abstract

Due to new knowledge about diversity of molluscs and new taxonomic changes, it was necessary to update the lists of molluscs for the Baltic countries. According to published information, a new comparative checklist for Estonia, Latvia and Lithuania has been prepared. According to the most recent knowledge, this checklist includes 190 accepted species — 161 for Estonia, 173 for Latvia and 169 for Lithuania. The status of some of species remains unclear and additional confirmation is necessary for particular countries.

Keywords: Bivalvia, Estonia, Gastropoda, Latvia, Lithuania, Mollusca

Introduction

First works containing notes on molluscs in the territory of the Baltic countries were published in the 18th century (Fischer 1778; Ferbers & Fischer 1784; Fischer 1791). These works are cover the present-day territory of Latvia and partly Estonia. Interest in the mollusc fauna of Lithuania dates back to the mid of the 19th century (Skujienė 2002a). The first comprehensive comparative list of molluscs for Baltic and neighbouring territories was published by Schlesch (1937). The most recent list of all molluscs for Latvia was published by Rudzīte & al. (2010). Comparative overview of terrestrial gastropods in Lithuania and neighbouring countries was published by Skujienė in 2002 (Skujienė 2002a). As during the recent studies new information about molluscs in all Baltic countries have become available (e. g. Šatkauskienė 2001; Glöer & Vinarski 2009; Dreijers 2011; Dreijers & al. 2011; Kuznecova & Skujienė 2011; Soroka & Skujienė 2011; Kuznecova & Skujienė 2013; Zettler 2014; Ardura & al. 2015) and, for some taxa, taxonomical changes have been introduced (e. g. Geenen & al. 2006; Proschwitz & al. 2009; Soroka & Skujienė 2011; Neiber & Hausdorf 2015), a new checklist for these organisms was necessary. In this article, we provide an annotated checklist of molluscs (Mollusca: Gastropoda & Bivalvia) for Estonia, Latvia and Lithuania.

Material and methods

The checklist of molluscs for Estonia, Latvia and Lithuania was compiled, using different published information sources. All families within each mollusc class (Gastropoda & Bivalvia) are grouped in systematic order. All species within families are grouped in alphabetical order. Checklist is prepared in a tabular form, where confirmed/accepted species are marked with “■” — separately for each country. In other cases comments are given — “not confirmed”, if a species has previously

been mentioned in a particular country but is not accepted/confirmed in this checklist; “no data”, if a species is considered possible in that country. In other cases the question mark, “?”, is used, and it means that the species has previously been reported for a particular country but is likely to be extinct or the reports probably are instances of misidentification. Names with unknown status and originally described from the territory of Latvia also are included in the checklist as “SPECIES INQUIRENDA”. In this checklist accepted names of species are listed, and a list of selected synonyms is given as Appendix to this article.

Results and discussion

In total for all Baltic countries — Estonia, Latvia and Lithuania — 190 species and 6 subspecies from two Mollusca classes — Gastropoda (153 species and 4 subspecies) and Bivalvia (37 species and 2 subspecies) — have been accepted (Table 1).

Table 1 Comparison of Mollusca fauna of the Baltic countries (number of species, and number of subspecies — in brackets)

Class	Estonia	Latvia	Lithuania	Total
Gastropoda	126 (3)	141 (4)	137(4)	153 (4)
Bivalvia	35 (2)	32 (2)	32 (2)	37 (2)
Total	161 (5)	173 (6)	169 (6)	190 (6)

Fauna of native molluscs in all three countries is highly similar, except for some species which are confirmed from northern part, in Estonia (e. g. *Alderia modesta*, *Gyraulus stroemi*, *Pisidium tenuilineatum*, *Truncatellina costulata*, *Vertigo modesta arctica* and *Zoogenetes harpa* in Estonia) or from southern part, in Lithuania (e. g. *Arion ater*, *Borysthenia naticina*, *Faustina faustina*,

Pisidium conventus and *Pisidium pseudosphaerium* in Lithuania). *Lauria cylindracea* were previously collected in Latvia during the first part of the 20th century but now are likely to have become extinct (Rudzīte 2000). Only in Latvia *Cecilioides acicula*, *Pupilla pratensis* and *Spermodea lamellata* have been confirmed, and all these species are also possible in Estonia and Lithuania. *Pupilla pratensis* in older publications has been listed as an infra-specific variation of *Pupilla muscorum* or even not distinguished (Proschwitz & al. 2009). Ricklef (1898) and Pētersons (1932, 1933) reported in Latvia *Pupilla muscorum* var. *pratensis*, which, in accordance with modern taxonomy is highly likely to be *Pupilla pratensis*. Using recent samples, *Pupilla pratensis* is confirmed as a separate species in Latvia by Dreijers & al. (2011). Until now the snail genus *Monachoides* is reported only in Latvia and is represented by one species only — *Monachoides incarnatus* (Rudzīte & al. 2010). Record of *Monachoides vicinus* for in Lithuania published by Kuznecova & Skujienė (2011) is a case of misidentification (G. Skujienė 2016, *personal communication*). However, as *Monachoides incarnatus* is identified by its shells (Rudzīte 2010, *personal communication*), additional identification and confirmation of this species is necessary. One species — *Oxychilus translucidus* in this checklist is included for Lithuania on the basis of the material collected by the first author — locality: Kaunas city, greenhouse of the Botanic garden, September 2003. Besides, in the Baltic countries, this genus is represented only by one native species — *Oxychilus alliarius*. In the earlier reports under the name “*Oxychilus cellarius*” in almost all cases the native *Oxychilus alliarius* is recorded. It is likely that the earlier reports of *Oxychilus cellarius* in Riga (the capital of Latvia) are correct, as in this city that species was reconfirmed in 1999.

Like in Lithuania (Soroka & Skujienė 2011) *Arion hortensis* A. Férussac, 1819 and *Arion subfuscus* (Drapar-

naud, 1805) have not been confirmed in Latvia and all previous records likely relate to *Arion fuscus* (E. Dreijers, *unpublished data*). In general, correct identification of slugs has recently been done only in Latvia and Lithuania (e. g. Greke 1999; Dreijers 2000; Skujienė 2002b; Dreijers 2003; Skujienė 2003; Skujienė 2004; Soroka & Skujienė 2011; E. Dreijers, *unpublished data*). Several species of slugs have been listed as important plant pests in practical publications issued in Latvia, especially *Arion circumscriptus*, *Deroceras agreste* and *Deroceras reticulatum* (Stalažs 2015), but actually *Deroceras agreste* in Latvia is a rare species confirmed only in three localities which are all wetlands (E. Dreijers, *unpublished data*). “*Arion circumscriptus*” reported in earlier literature, is probably a complex of subspecies rather than a particular species in accordance with modern taxonomy. The shells of snails, previously identified as *Alinda biplicata* [syn. *Balea biplicata*], and deposited in the collection of Latvian Museum of Natural History, have been misidentified. After revision these samples have been identified as subadults of *Clausilia dubia* (collection number Z 5/1425, loc. Gaujienas castle ruins, formerly Valkas rajons, Latvia, 1 shell, leg.: E. Strazdiņa 20.07.1987) and *Laciniaria plicata* (collection number Z 5/1633, loc. Gauja National Park, “Gūdu iezis”, Latvia, 2 shells, leg.: D. Pilāte 28.08.2000). Shells of potential *Alinda biplicata*, deposited in other collections, are not yet examined. Quite often in the Baltic countries “*Sphaerium nitidum*”, *sensu* Starobogatov *non* Clessin in Westerlund, 1876 (e. g. Пареле & Качалова 1989; Rudzīte & al. 1996, 1997, *etc.*) has been reported which actually turns out to be other species — *Sphaerium ovale* [syn. *Sphaerium radiatum* (Clessin in Westerlund, 1876)] (Korniushin 2001). Real *Sphaerium nitidum* (Clessin in Westerlund, 1876) is found only in the northern part of Europe and does not occur in the Baltic countries (Greke & Korniushin 2000; Korniushin 2001).

Checklist of the molluscs of the Baltic countries

Class: **Gastropoda** Cuvier, 1795

	Estonia	Latvia	Lithuania	Remarks
Family: Neritidae Rafinesque, 1815				
1	<i>Theodoxus fluviatilis</i> (Linnaeus, 1758)	■	■	■
Family: Viviparidae J. E. Gray, 1847				
2	<i>Viviparus contectus</i> (Millet, 1813)	■	■	■
3	<i>Viviparus viviparus</i> (Linnaeus, 1758)	■	■	■
Family: Aciculidae J. E. Gray, 1850				
4	<i>Platyla polita</i> (W. Hartmann, 1840)	■	■	■
Family: Bithyniidae J. E. Gray, 1857				
5	<i>Bithynia leachii</i> (Sheppard, 1823)	■	■	■
6	<i>Bithynia tentaculata</i> (Linnaeus, 1758)	■	■	■
7	<i>Bithynia troschelii</i> (Paasch, 1842)	no data	■	■
Family: Hydrobiidae Stimpson, 1865				
8	<i>Ecrobia ventrosa</i> (Montagu, 1803)	■	■	■
9	<i>Marstoniopsis insubrica</i> (Küster, 1853)	■	■	■
10	<i>Peringia ulvae</i> (Pennant, 1777)	■	■	■

		Estonia	Latvia	Lithuania	Remarks
11	<i>Potamopyrgus antipodarum</i> (J. E. Gray, 1843)	■	■	■	
	Family: Lithoglyphidae Tryon, 1866				
12	<i>Lithoglyphus naticoides</i> (C. Pfeiffer, 1828)		■	■	
	Family: Valvatidae J. E. Gray, 1840				
13	<i>Valvata cristata</i> O. F. Müller, 1774	■	■	■	
14	<i>Valvata macrostoma</i> Mörch, 1864	■	■	■	
15 ^A	<i>Valvata piscinalis piscinalis</i> (O. F. Müller, 1774)	■	■	■	
15 ^B	<i>Valvata piscinalis antiqua</i> Morris, 1838	■	■	■	
16	<i>Borysthenia naticina</i> (Menke, 1845)	not confirmed	not confirmed	■	Estonia and Latvia: it's likely misidentification of <i>Valvata piscinalis s. l.</i>
	Family: Limapontiidae J. E. Gray, 1847				
17	<i>Alderia modesta</i> (Lovén, 1844)	■	no data	no data	
	Family: Acroloxidae Thiele, 1931				
18	<i>Acroloxus lacustris</i> (Linnaeus, 1758)	■	■	■	
	Family: Lymnaeidae Rafinesque, 1815				
19	<i>Galba truncatula</i> (O. F. Müller, 1774)	■	■	■	
20	<i>Lymnaea stagnalis</i> (Linnaeus, 1758)	■	■	■	
21	<i>Myxas glutinosa</i> (O. F. Müller, 1774)	■	■	■	
	<i>Omphiscola glabra</i> (O. F. Müller, 1774)	not confirmed	not confirmed	not confirmed	previous records needs confirmation
22	<i>Radix ampla</i> (W. Hartmann, 1821)	■	■	■	revision of <i>Radix</i> is necessary
23	<i>Radix auricularia</i> (Linnaeus, 1758)	■	■	■	
24	<i>Radix balthica</i> (Linnaeus, 1758)	■	■	■	
25	<i>Radix labiata</i> (Rossmässler, 1835)	■	■	■	
26	<i>Radix lagotis</i> (Schrank, 1803)	■	■	no data	
27	<i>Stagnicola corvus</i> (Gmelin, 1791)	■	■	■	revision of <i>Stagnicola</i> is necessary
28	<i>Stagnicola fuscus</i> (C. Pfeiffer, 1821)	■	■	no data	
29	<i>Stagnicola palustris</i> (O. F. Müller, 1774)	■	■	■	
	<i>Stagnicola turricula</i> (Held, 1836)	not confirmed	not confirmed	not confirmed	previous records needs confirmation
	Family: Physidae Fitzinger, 1833				
30	<i>Aplexa hypnorum</i> (Linnaeus, 1758)	■	■	■	
31	<i>Physa fontinalis</i> (Linnaeus, 1758)	■	■	■	
	<i>Physella acuta</i> (Draparnaud, 1805)			?	Lithuania: old records. This is also common aquarium pet
	Family: Planorbidae Rafinesque, 1815				
32	<i>Ancylus fluviatilis</i> O. F. Müller, 1774	■	■	■	
	<i>Anisus calculiformis</i> (Sandberger, 1874)		not confirmed		revision of <i>Anisus</i> is necessary
33	<i>Anisus leucostoma</i> (Millet, 1813)	■	■	■	
34	<i>Anisus septemgyratus</i> (Rossmässler, 1835)	■	■	■	
35	<i>Anisus spirorbis</i> (Linnaeus, 1758)	■	■	■	
36	<i>Anisus vortex</i> (Linnaeus, 1758)	■	■	■	
37	<i>Anisus vorticulus</i> (Troschel, 1834)	■	■	■	
38	<i>Bathymphalus contortus</i> (Linnaeus, 1758)	■	■	■	
39	<i>Ferrissia fragilis</i> (Tryon, 1863)			■	

		Estonia	Latvia	Lithuania	Remarks
40	<i>Gyraulus acronicus</i> (A. Férussac, 1807)	■	■	■	revision of <i>Gyraulus</i> is necessary
41	<i>Gyraulus albus</i> (O. F. Müller, 1774)	■	■	■	
42	<i>Gyraulus crista</i> (Linnaeus, 1758)	■	■	■	
43	<i>Gyraulus laevis</i> (Alder, 1838)	■	■	■	
44	<i>Gyraulus riparius</i> (Westerlund, 1865)	■	■	■	
45	<i>Gyraulus rossmaessleri</i> (Auerswald, 1852)	no data	■	■	
46	<i>Gyraulus stroemi</i> (Westerlund, 1881)	■			
47	<i>Hippeutis complanatus</i> (Linnaeus, 1758)	■	■	■	
48	<i>Planorbarius corneus</i> (Linnaeus, 1758)	■	■	■	
49	<i>Planorbis carinatus</i> O. F. Müller, 1774	■	■	■	
50	<i>Planorbis planorbis</i> (Linnaeus, 1758)	■	■	■	
51	<i>Segmentina nitida</i> (O. F. Müller, 1774)	■	■	■	
Family: Ellobiidae L. Pfeiffer, 1854					
52	<i>Carychium minimum</i> O. F. Müller, 1774	■	■	■	
53	<i>Carychium tridentatum</i> (Risso, 1826)	■	■	■	
Family: Succineidae H. Beck, 1837					
54	<i>Oxyloma elegans</i> (Risso, 1826)	■	■	■	Estonia: confirmation is necessary
55	<i>Oxyloma sarsii</i> (Esmark, 1886)	■		■	
56	<i>Succinea putris</i> (Linnaeus, 1758)	■	■	■	
57	<i>Succinella oblonga</i> (Draparnaud, 1801)	■	■	■	
Family: Cochlicopidae Pilsbry, 1900					
58	<i>Cochlicopa lubrica</i> (O. F. Müller, 1774)	■	■	■	
59	<i>Cochlicopa lubricella</i> (Porro, 1838)	■	■	■	
60	<i>Cochlicopa nitens</i> (M. von Gallenstein, 1848)	■	■	■	
Family: Lauriidae Steenberg, 1925					
	<i>Lauria cylindracea</i> (Da Costa, 1778)		?		
Family: Valloniidae Morse, 1864					
61	<i>Acanthinula aculeata</i> (O. F. Müller, 1774)	■	■	■	
62	<i>Spermodea lamellata</i> (Jeffreys, 1830)	no data	■	no data	
63	<i>Vallonia costata</i> (O. F. Müller, 1774)	■	■	■	
	<i>Vallonia enniensis</i> (Gredler, 1856)	not confirmed	not confirmed	not confirmed	
64	<i>Vallonia excentrica</i> Sterki, 1893	■	■	■	
65	<i>Vallonia pulchella</i> (O. F. Müller, 1774)	■	■	■	
66	<i>Zoogenetes harpa</i> (Say, 1824)	■			
Family: Pupillidae Turton, 1831					
67	<i>Pupilla muscorum</i> (Linnaeus, 1758)	■	■	■	
68	<i>Pupilla pratensis</i> (Clessin, 1871)	no data	■	no data	
Family: Chondrinidae Steenberg, 1925					
	<i>Chondrina arcadica clienta</i> (Westerlund, 1883)		not confirmed		
	<i>Chondrina avenacea</i> (Bruguère, 1792)		?		
	<i>Granaria frumentum</i> (Draparnaud, 1801)		?		

	Estonia	Latvia	Lithuania	Remarks
Family: Vertiginidae Fitzinger, 1833				
69	<i>Columella aspera</i> Waldén, 1966	■	■	■
70	<i>Columella edentula</i> (Draparnaud, 1805)	■	■	■
71	<i>Truncatellina costulata</i> (Nilsson, 1823)	■		
72	<i>Truncatellina cylindrica</i> (A. Férussac, 1807)	■	■	■
73	<i>Vertigo alpestris</i> Alder, 1838	■	■	■
74	<i>Vertigo angustior</i> Jeffreys, 1830	■	■	■
75	<i>Vertigo antivertigo</i> (Draparnaud, 1801)	■	■	■
	<i>Vertigo buettneri</i> (Siemaschko, 1848)		[■]	SPECIES INQUIRENDA
76	<i>Vertigo genesii</i> (Gredler, 1856)	■	■	■
77	<i>Vertigo geyeri</i> Lindholm, 1925	■	■	■
78	<i>Vertigo liljeborgi</i> (Westerlund, 1871)	no data	■	■
79	<i>Vertigo modesta arctica</i> (Wallenberg, 1858)	■		?
80	<i>Vertigo moulinsiana</i> (Dupuy, 1849)	no data	■	■
81	<i>Vertigo pusilla</i> O. F. Müller, 1774	■	■	■
82	<i>Vertigo pygmaea</i> (Draparnaud, 1801)	■	■	■
83	<i>Vertigo ronneyensis</i> (Westerlund, 1871)	■	■	■
84	<i>Vertigo substriata</i> (Jeffreys, 1833)	■	■	■
Family: Enidae B. B. Woodward, 1903				
85	<i>Chondrula tridens</i> (O. F. Müller, 1774)			■
86	<i>Ena montana</i> (Draparnaud, 1801)	■	■	■
87	<i>Merdigera obscura</i> (O. F. Müller, 1774)	■	■	■
Family: Clausiliidae J. E. Gray, 1855				
88	<i>Alinda biplicata</i> (Montagu, 1803)	no data	■	■
89	<i>Bulgarica cana</i> (Held, 1836)	■	■	■
90	<i>Clausilia bidentata</i> (Ström, 1765)	■	■	■
91	<i>Clausilia cruciata</i> (S. Studer, 1820)	■	■	■
92	<i>Clausilia dubia</i> Draparnaud, 1805	■	■	■
93 ^A	<i>Clausilia pumila pumila</i> C. Pfeiffer, 1828	■	■	■
93 ^B	<i>Clausilia pumila sejuncta</i> Westerlund, 1871	■	■	■
94	<i>Cochlodina laminata</i> (Montagu, 1803)	■	■	■
95	<i>Cochlodina orthostoma</i> (Menke, 1828)	■	■	■
96	<i>Laciniaria plicata</i> (Draparnaud, 1801)	■	■	■
97	<i>Macrogastra borealis</i> (O. Boettger, 1878)	■	■	■
98	<i>Macrogastra plicatula</i> (Draparnaud, 1801)	■	■	■
99	<i>Macrogastra ventricosa</i> (Draparnaud, 1801)	■	■	■
100	<i>Ruthenica filograna</i> (Rossmässler, 1836)	■	■	■
Family: Ferussaciidae Bourguignat, 1883				
101	<i>Cecilioides acicula</i> (O. F. Müller, 1774)		■	
Family: Punctidae Morse, 1864				
102	<i>Punctum pygmaeum</i> (Draparnaud, 1801)	■	■	■
Family: Discidae Thiele, 1931				
103	<i>Discus rotundatus</i> (O. F. Müller, 1774)	■	■	■
104	<i>Discus ruderatus</i> (W. Hartmann, 1821)	■	■	■

	Estonia	Latvia	Lithuania	Remarks	
Family: Pristilomatidae T. Cockerell, 1891					
105	<i>Vitrea contracta</i> (Westerlund, 1871)	■	■	■	
106	<i>Vitrea crystallina</i> (O. F. Müller, 1774)	■	■	■	
Family: Euconulidae H. B. Baker, 1928					
107	<i>Euconulus fulvus</i> (O. F. Müller, 1774)	■	■	■	
108	<i>Euconulus trochiformis</i> (Montagu, 1803)	■	■	■	
Family: Gastrododontidae Tryon, 1866					
109	<i>Zonitoides nitidus</i> (O. F. Müller, 1774)	■	■	■	
Family: Oxychilidae P. Hesse, 1927					
	<i>Aegopinella nitens</i> (Michaud, 1831)		?	?	revision of <i>Aegopinella</i> is necessary
110	<i>Aegopinella nitidula</i> (Draparnaud, 1805)	■	■	■	
111	<i>Aegopinella pura</i> (Alder, 1830)	■	■	■	
112	<i>Nesovitrea hammonis</i> (Ström, 1765)	■	■	■	
113	<i>Nesovitrea petronella</i> (L. Pfeiffer, 1853)	■	■	■	
114	<i>Oxychilus alliarius</i> (J. S. Miller, 1822)	■	■	■	
115	<i>Oxychilus cellarius</i> (O. F. Müller, 1774)	■	■	■	
116	<i>Oxychilus draparnaudi</i> (H. Beck, 1837)	■	■	■	
117	<i>Oxychilus translucidus</i> (Mortillet, 1853)		■	■	
Family: Vitrinidae Fitzinger, 1833					
118	<i>Vitrina pellucida</i> (O. F. Müller, 1774)	■	■	■	
Family: Boettgerillidae Victor & I. M. Likharev, 1979					
119	<i>Boettgerilla pallens</i> Simroth, 1912			■	
Family: Limacidae Lamarck, 1801					
120	<i>Lehmannia marginata</i> (O. F. Müller, 1774)	■	■	■	
121	<i>Lehmannia nyctelia</i> (Bourguignat, 1861)		■		greenhouses
122	<i>Lehmannia valentiana</i> (A. Férussac, 1822)		■	■	greenhouses
123	<i>Limacus flavus</i> (Linnaeus, 1758)	■	■	■	
124	<i>Limacus maculatus</i> (Kaleniczenko, 1851)		■		
125	<i>Limax cinereoniger</i> Wolf, 1803	■	■	■	
	<i>Limax livonicus</i> Schrenk, 1848		[■]		SPECIES INQUIRENDA
126	<i>Limax maximus</i> Linnaeus, 1758	■	■	■	
	<i>Limax serotinus</i> Schrenk, 1848		[■]		SPECIES INQUIRENDA
127	<i>Malacolimax tenellus</i> (O. F. Müller, 1774)	■	■	■	
Family: Agriolimacidae H. Wagner, 1935					
128	<i>Deroceras agreste</i> (Linnaeus, 1758)	■	■	■	
129	<i>Deroceras laeve</i> (O. F. Müller, 1774)	■	■	■	
130	<i>Deroceras reticulatum</i> (O. F. Müller, 1774)	■	■	■	
131	<i>Deroceras sturanyi</i> (Simroth, 1894)	no data	■	■	
132	<i>Krynickillus melanocephalus</i> Kaleniczenko, 1851		■		
Family: Arionidae J. E. Gray, 1840					
133	<i>Arion ater</i> (Linnaeus, 1758)			■	revision of <i>Arion</i> for Estonia is necessary
134 ^A	<i>Arion distinctus</i> J. Mabille, 1868	no data	■	■	
135 ^A	<i>Arion fasciatus circumscriptus</i> (Johnston, 1828)	■	■	■	
135 ^B	<i>Arion fasciatus fasciatus</i> (Nilsson, 1823)	■	■	■	
135 ^C	<i>Arion fasciatus silvaticus</i> (Lohmander, 1937)	no data	■	■	

		Estonia	Latvia	Lithuania	Remarks
136	<i>Arion fuscus</i> (O. F. Müller, 1774)	■	■	■	
	<i>Arion hortensis</i> A. Férussac, 1819	?	not confirmed	not confirmed	
137	<i>Arion lusitanicus</i> auctt., non J. Mabilie, 1868	■	■	■	
138	<i>Arion rufus</i> (Linnaeus, 1758)	no data	■	■	
Family: Bradybaenidae Pilsbry, 1934					
139	<i>Fruticicola fruticum</i> (O. F. Müller, 1774)	■	■	■	
Family: Hygromiidae Tryon, 1866					
140	<i>Euomphalia strigella</i> (Draparnaud, 1801)	■	■	■	
	<i>Helicopsis striata</i> (O. F. Müller, 1774)			?	
141	<i>Monachoides incarnatus</i> (O. F. Müller, 1774)		■		additional confirmation is necessary
	<i>Monachoides vicinus</i> (O. F. Müller, 1774)			not confirmed	
142	<i>Perforatella bidentata</i> (Gmelin, 1791)	■	■	■	
143	<i>Pseudotrachia rubiginosa</i> (Rossmässler, 1838)	■	■	■	
144	<i>Trochulus hispidus</i> (Linnaeus, 1758)	■	■	■	
145	<i>Xerolenta obvia</i> (Menke, 1828)		■	■	
Family: Helicidae Rafinesque, 1815					
146	<i>Arianta arbustorum</i> (Linnaeus, 1758)	■	■	■	
147	<i>Caucasotachea vindobonensis</i> (C. Pfeiffer, 1828)		■		
148	<i>Cepaea hortensis</i> (O. F. Müller, 1774)	■	■	■	
149	<i>Cepaea nemoralis</i> (Linnaeus, 1758)	■	■	■	
	<i>Cornu aspersum</i> (O. F. Müller, 1774)		[■]	[■]	cultivated in snail farms
150	<i>Faustina faustina</i> (Rossmässler, 1835)			■	
151	<i>Helicigona lapicida</i> (Linnaeus, 1758)	■	■	not confirmed	
152	<i>Helix pomatia</i> Linnaeus, 1758	■	■	■	
153	<i>Isognomostoma isognomostomos</i> (Schröter, 1784)		■	■	

Class: **Bivalvia** Linnaeus, 1758

		Estonia	Latvia	Lithuania	Remarks
Family: Mytilidae Rafinesque, 1815					
1	<i>Mytilus trossulus</i> Gould, 1850	■	■	■	
Family: Margaritiferidae Haas, 1940					
2	<i>Margaritifera margaritifera</i> (Linnaeus, 1758)	■	■	extinct	
Family: Unionidae Rafinesque, 1820					
3	<i>Anodonta anatina</i> (Linnaeus, 1758)	■	■	■	
4	<i>Anodonta cygnea</i> (Linnaeus, 1758)	■	■	■	
5	<i>Pseudanodonta complanata</i> (Rossmässler, 1835)	■	■	■	
6	<i>Unio crassus</i> Philipsson, 1788	■	■	■	
7	<i>Unio pictorum</i> (Linnaeus, 1758)	■	■	■	
8	<i>Unio tumidus</i> Philipsson, 1788	■	■	■	
Family: Mactridae Lamarck, 1809					
9	<i>Rangia cuneata</i> (G. B. Sowerby I, 1832)			■	

		Estonia	Latvia	Lithuania	Remarks
Family: Sphaeriidae Deshayes, 1855					
10	<i>Musculium lacustre</i> (O. F. Müller, 1774)	■	■	■	
11	<i>Pisidium amnicum</i> (O. F. Müller, 1774)	■	■	■	revision of <i>Pisidium</i> is necessary
12 ^A	<i>Pisidium casertanum casertanum</i> (Poli, 1791)	■	■	■	
12 ^B	<i>Pisidium casertanum ponderosum</i> (Stelfox, 1918)	■	■	■	
13	<i>Pisidium conventus</i> Clessin, 1877	■			additional confirmation is needed
14	<i>Pisidium globulare</i> Clessin, 1873	■	■	■	
15	<i>Pisidium henslowanum</i> (Sheppard, 1823)	■	■	■	
16	<i>Pisidium hibernicum</i> Westerlund, 1894	■	■	■	
17	<i>Pisidium lilljeborgii</i> Clessin in Esmark & Hoyer, 1886	■	■	■	
18	<i>Pisidium milium</i> Held, 1836	■	■	■	
19	<i>Pisidium moitessierianum</i> Paladilhe, 1866	■	■	■	
20 ^A	<i>Pisidium nitidum nitidum</i> Jenyns, 1832	■	■	■	
20 ^B	<i>Pisidium nitidum crassum</i> Stelfox, 1918	■	■	■	
21	<i>Pisidium obtusale</i> (Lamarck, 1818)	■	■	■	
22	<i>Pisidium personatum</i> Malm, 1855	■	■	■	
23	<i>Pisidium pseudosphaerium</i> J. Favre, 1927			■	
24	<i>Pisidium pulchellum</i> Jenyns, 1832	■	■	■	
25	<i>Pisidium subtruncatum</i> Malm, 1855	■	■	■	
26	<i>Pisidium supinum</i> A. Schmidt, 1851	■	■	■	
27	<i>Pisidium tenuilineatum</i> Stelfox, 1918	■			
28	<i>Sphaerium corneum</i> (Linnaeus, 1758)	■	■	■	revision of <i>Sphaerium</i> is necessary
29	<i>Sphaerium nucleus</i> (S. Studer, 1820)	■	■	■	
30	<i>Sphaerium ovale</i> (A. Férussac, 1807)	■	■		
31	<i>Sphaerium rivicola</i> (Lamarck, 1818)	■	■	■	
32	<i>Sphaerium solidum</i> (Normand, 1844)	■	■	■	
Family: Dreissenidae J. E. Gray, 1840					
33	<i>Dreissena polymorpha</i> (Pallas, 1771)	■	■	■	
34	<i>Mytilopsis leucophaeata</i> (Conrad, 1831)	■	no data	no data	
Family: Cardiidae Lamarck, 1809					
35	<i>Cerastoderma glaucum</i> (Poiret, 1789)	■	■	■	
Family: Tellinidae Blainville, 1814					
36	<i>Macoma balthica</i> (Linnaeus, 1758)	■	■	■	
Family: Myidae Lamarck, 1809					
37	<i>Mya arenaria</i> Linnaeus, 1758	■	■	■	

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Appendix

List of selected synonyms of molluscs used in earlier references

- Acanthinula aculeata*, orth. var. = *Acanthinula aculeata* (O. F. Müller)
Achatina lubrica = *Cochlicopa lubrica* (O. F. Müller)
Achatina minima Siemaschko = *Cochlicopa lubricella* (Porro)
Acicula lineata, auct. non Draparnaud = *Platyla polita* (W. Hartmann)
Acicula polita = *Platyla polita* (W. Hartmann)
Acme polita = *Platyla polita* (W. Hartmann)
Agriolimax agrestis = *Deroceras agreste* (Linnaeus)
Agriolimax laevis = *Deroceras laeve* (O. F. Müller)
Agriolimax reticulatum = *Deroceras reticulatum* (O. F. Müller)
Amalia gracialis = *Lehmannia marginata* (O. F. Müller)
Amesoda draparnaldi (Clessin) = *Sphaerium corneum* (Linnaeus)
Amesoda scaldiana (Normand) = *Sphaerium corneum* (Linnaeus)
Amesoda solida = *Sphaerium solidum* (Normand)
Amesoda subsolida (Clessin) = *Sphaerium solidum* (Normand)
Ammicola steini (Martens) = *Marstoniopsis insubrica* (Küster)
Amphipeplea glutinosa = *Myxas glutinosa* (O. F. Müller)
Ancylastrum fluviatilis = *Ancylus fluviatilis* O. F. Müller
Ancylus fluviatilis v. subcirculare Clessin = *Ancylus fluviatilis* O. F. Müller
Ancylus lacustris = *Acroloxus lacustris* (Linnaeus)
Anisus acronicus = *Gyraulus acronicus* (A. Férussac)
Anisus agardhi Prozorova = *Bathyomphalus contortus* (Linnaeus)
Anisus albus = *Gyraulus albus* (O. F. Müller)
Anisus contortus = *Bathyomphalus contortus* (Linnaeus)
Anisus correctus (Westerlund) = *Gyraulus laevis* (Alder)
Anisus dispar Westerlund = *Bathyomphalus contortus* (Linnaeus)
Anisus laevis = *Gyraulus laevis* (Alder)
Anisus perezi (Graells in Dupui) = *Anisus leucostoma* (Millet)
Anisus strauhanus (Clessin, 1886) = *Anisus calculiformis* (Sandberger)
Anodonta cellensis Schröter = *Anodonta cygnea* (Linnaeus)
Anodonta complanata = *Pseudanodonta complanata* (Rossmässler)
Anodonta minima (Linnaeus) = *Anodonta anatina* (Linnaeus)
Anodonta minima Millet = *Pseudanodonta complanata* (Rossmässler)
Anodonta piscinalis Nilsson = *Anodonta anatina* (Linnaeus)
Anodonta ponderosa Pfeiffer = *Anodonta anatina* (Linnaeus)
Anodonta rostrata Rossmässler = *Anodonta anatina* (Linnaeus)
Anodonta stagnalis (Gmelin) = *Anodonta cygnea* (Linnaeus)
Anodonta subcircularis Clessin = *Anodonta anatina* (Linnaeus)
Anodonta variabilis var. *cellensis* Schröter = *Anodonta cygnea* (Linnaeus)
Anodonta variabilis var. *cygnea* = *Anodonta cygnea* (Linnaeus)
Anodonta zellensis (Gmelin) = *Anodonta cygnea* (Linnaeus)
Anodonta cygnea cellensis (Gmelin) = *Anodonta cygnea* (Linnaeus)
Arion circumscriptus Johnston = *Arion fasciatus circumscriptus* (Johnston)
Arion silvaticus Lohmander = *Arion fasciatus silvaticus* (Lohmander)
Arion subfuscus, auct. non Draparnaud = *Arion fuscus* (O. F. Müller)
Armiger crista = *Gyraulus crista* (Linnaeus)
Balea biplicata = *Alinda biplicata* (Montagu)
Batavusiana crassa = *Unio crassus* Philipsson
Batavusiana fuscula (Rossmässler) = *Unio crassus* Philipsson
Batavusiana irenjensis (Kobelt) = *Unio crassus* Philipsson
Batavusiana musiva (Spengler) = *Unio crassus* Philipsson
Batavusiana nana (Lamarck) = *Unio crassus* Philipsson
Bithynia leachii inflata Hansen = *Bithynia troschelii* (Paasch)
Bithynia tentaculata = *Bithynia tentaculata* (Linnaeus)
Bithynia tentaculata var. *producta* Menke = *Bithynia tentaculata* (Linnaeus)

Bithynia transilvanica (E. A. Bielz) = ***Bithynia troschelii*** (Paasch)
Bradybaena fruticum = ***Fruticicola fruticum*** (O. F. Müller)
Buliminus montanus = ***Ena montana*** (Draparnaud)
Buliminus obscurus = ***Merdigera obscura*** (O. F. Müller)
Bulimus leachi = ***Bithynia leachii*** (Sheppard)
Bulimus obscurus = ***Merdigera obscura*** (O. F. Müller)
Bulimus tentaculatus = ***Bithynia tentaculata*** (Linnaeus)
Bulimus tentaculatus var. *producta* Menke = ***Bithynia tentaculata*** (Linnaeus)
Bythinia tentaculata = ***Bithynia tentaculata*** (Linnaeus)
Bythinia ventricosa Gray = ***Bithynia leachii*** (Sheppard)
Cardium edule, auctt. non Linnaeus = ***Cerastoderma glaucum*** (Poiret)
Cardium edule lamarcki (Reeve, 1845) = ***Cerastoderma glaucum*** (Poiret, 1789)
Cepaea vindobonensis = ***Caucasotachea vindobonensis*** (C. Pfeiffer)
Cerastoderma edule, auctt. non Linnaeus = ***Cerastoderma glaucum*** (Poiret)
Cerastoderma lamarcki (Reeve) = ***Cerastoderma glaucum*** (Poiret)
Chilotrema lapicida = ***Helicigona lapicida*** (Linnaeus)
Choanomphalus riparius = ***Gyraulus riparius*** (Westerlund)
Choanomphalus rossmaessleri = ***Gyraulus rossmaessleri*** (Auerswald)
Chondrina clienta = ***Chondrina arcadica clienta*** (Westerlund)
Cincinnatia ambigua (Westerlund) = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia depressa (C. Pfeiffer) = ***Valvata macrostoma*** Mörch
Cincinnatia dilatata (Eichw.) = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia discors (Westerlund) = ***Valvata macrostoma*** Mörch
Cincinnatia fluviatilis (Colb.) = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia klinensis (Milach.) = ***Valvata macrostoma*** Mörch
Cincinnatia liljeborgi (Westerlund) = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia obtusa (Studer) = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia piscinalis = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia pulchella, auctt. = ***Valvata macrostoma*** Mörch
Cincinnatia skorikovi (Ljudholm) = ***Valvata piscinalis*** (O. F. Müller)
Cincinnatia umbilicata (Westerlund) = ***Valvata macrostoma*** Mörch
Cingulipisidium crassum = ***Pisidium nitidum crassum*** Stelfox
Cingulipisidium fedderseni Westerlund = ***Pisidium nitidum*** Jenyns
Cingulipisidium nitidum = ***Pisidium nitidum*** Jenyns
Cingulipisidium peipsi (Timm) = ***Pisidium nitidum*** Jenyns
Cingulipisidium pihkva (Timm) = ***Pisidium nitidum*** Jenyns
Cingulipisidium tanuga (Timm) = ***Pisidium nitidum*** Jenyns
Clausilia bidens Draparnaud = ***Clausilia bidentata*** (Ström)
Clausilia bidens Müller = ***Clausilia bidentata*** (Ström)
Clausilia biplicata = ***Alinda biplicata*** (Montagu)
Clausilia cruciata var. *minima* A. Schmidt = ***Clausilia cruciata*** (S. Studer)
Clausilia filograna = ***Ruthenica filograna*** (Rossmässler)
Clausilia laminata = ***Cochlodina laminata*** (Montagu)
Clausilia latestriata = ***Macrogastra borealis*** (O. Boettger)
Clausilia orthostoma = ***Cochlodina orthostoma*** (Menke)
Clausilia parvula Studer = ***Clausilia cruciata*** (S. Studer)
Clausilia perversa Müller = ***Bulgarica cana*** (Held)
Clausilia plicata = ***Laciniaria plicata*** (Draparnaud)
Clausilia plicatula = ***Macrogastra plicatula*** (Draparnaud)
Clausilia pumila var. *sejuncta* = ***Clausilia pumila sejuncta*** Westerlund
Clausilia similis v. Charpentier = ***Bulgarica cana*** (Held)
Clausilia ventricosa = ***Macrogastra ventricosa*** (Draparnaud)
Cochlicopa columna Clessin = ***Cochlicopa lubrica*** (O. F. Müller)
Cochlicopa lubrica f. *columna* Clessin = ***Cochlicopa lubrica*** (O. F. Müller)
Cochlicopa lubrica f. *minima* (Siemaschko) = ***Cochlicopa lubricella*** (Porro)
Cochlicopa lubrica var. *minima* (Siemaschko) = ***Cochlicopa lubricella*** (Porro)
Cochlicopa lubrica var. *nitens* = ***Cochlicopa nitens*** (M. von Gallenstein)
Cochlicopa repentina Hudec = ***Cochlicopa lubrica*** (O. F. Müller)
Codiella leachii = ***Bithynia leachii*** (Sheppard)
Codiella troschelii = ***Bithynia troschelii*** (Paasch)
Colletopterum anatinum = ***Anodonta anatina*** (Linnaeus)
Colletopterum minimum (Linnaeus) = ***Anodonta anatina*** (Linnaeus)
Colletopterum piscinale (Nilsson) = ***Anodonta anatina*** (Linnaeus)
Colletopterum ponderosum (Pfeiffer) = ***Anodonta anatina*** (Linnaeus)
Contectiana contecta = ***Viviparus contectus*** (Millet)
Contectiana fennica (Kobelt) = ***Viviparus contectus*** (Millet)
Contectiana kormosi (Kobelt) = ***Viviparus contectus*** (Millet)
Contectiana listeri (Forbes & Hanley) = ***Viviparus contectus*** (Millet)
Contectiana turrita (Kobelt) = ***Viviparus contectus*** (Millet)
Coretus corneus = ***Planorbis corneus*** (Linnaeus)
Costatella acuta = ***Physella acuta*** (Draparnaud)
Crassiana crassa = ***Unio crassa*** Philipsson
Cyclas calyculata Draparnaud = ***Musculium lacustre*** (O. F. Müller)
Cyclas cornea = ***Sphaerium corneum*** (Linnaeus)
Cyclas lacustris = ***Musculium lacustre*** (O. F. Müller)
Cyclas obliqua Pfeiffer = ***Pisidium annicum*** (O. F. Müller)
Cyclocalyx fragilis (Clessin in Westerlund) = ***Pisidium obtusale*** (Lamarck)

Cyclocalyx scholtzi (Clessin) = ***Pisidium obtusale*** (Lamarck)
Dreissena polymorpha = ***Dreissena polymorpha*** (Pallas)
Dreissena polymorpha = ***Dreissena polymorpha*** (Pallas)
Ena obscura = ***Merdigera obscura*** (O. F. Müller)
Euconulus alderi (J. E. Gray) = ***Euconulus trochiformis*** (Montagu)
Euglesa acuminata (Clessin in Westerlund) = ***Pisidium casertanum*** (Poli)
Euglesa casertana = ***Pisidium casertanum*** (Poli)
Euglesa conica (Baudon) = ***Pisidium supinum*** A. Schmidt
Euglesa crassa = ***Pisidium nitidum crassum*** Stelfox
Euglesa fossarina (Clessin in Westerlund) = ***Pisidium casertanum*** (Poli)
Euglesa globulare = ***Pisidium globulare*** Clessin
Euglesa henslowana = ***Pisidium henslowanum*** (Sheppard)
Euglesa hibernica = ***Pisidium hibernicum*** Westerlund
Euglesa jaudoiniana (Gassies) = ***Pisidium casertanum ponderosum*** (Stelfox)
Euglesa liljeborgi = ***Pisidium liljeborgii*** Clessin
Euglesa milium = ***Pisidium milium*** Held
Euglesa moitessieriana = ***Pisidium moitessierianum*** Paladilhé
Euglesa nitida = ***Pisidium nitidum*** Jenyns
Euglesa obtusale = ***Pisidium obtusale*** (Lamarck)
Euglesa personata = ***Pisidium personatum*** Malm
Euglesa ponderosa = ***Pisidium casertanum ponderosum*** (Stelfox)
Euglesa pseudosphaerium = ***Pisidium pseudosphaerium*** J. Favre
Euglesa pulchella = ***Pisidium pulchellum*** Jenyns
Euglesa rivularis (Clessin) = ***Pisidium casertanum*** (Poli)
Euglesa subtruncata = ***Pisidium subtruncatum*** Malm
Euglesa suecica (Clessin in Westerlund) = ***Pisidium henslowanum*** (Sheppard)
Euglesa supina = ***Pisidium supinum*** A. Schmidt
Euglesa tetragona (Normand) = ***Pisidium milium*** Held
Eulota fruticum = ***Fruticicola fruticum*** (O. F. Müller)
Europisidium alpinum (Odhner) = ***Pisidium tenuilineatum*** Stelfox
Europisidium stelfoxi (Pirogov & Starobogatov in Timm) = ***Pisidium tenuilineatum*** Stelfox
Galba glabra = ***Omphiscola glabra*** (O. F. Müller)
Galba palustris = ***Stagnicola palustris*** (O. F. Müller)
Galba palustris f. *corvus* = ***Stagnicola corvus*** (Gmelin)
Galba palustris f. *fuscus* = ***Stagnicola fuscus*** (C. Pfeiffer)
Galba palustris turricula = ***Stagnicola turricula*** (Held)
Graciliaria filograna = ***Ruthenica filograna*** (Rossmässler)
Gyraulus crista cristatus (Draparnaud) = ***Gyraulus crista*** (Linnaeus)
Gyraulus grecleri (E. A. Bielz) = ***Gyraulus acronicus*** (A. Férussac)
Gyraulus grecleri subsp. *rossmaessleri* = ***Gyraulus rossmaessleri*** (Auerswald)
Gyraulus grecleri var. *rossmaessleri* = ***Gyraulus rossmaessleri*** (Auerswald)
Haitia acuta = ***Physella acuta*** (Draparnaud)
Haitia heterostropha (Say) = ***Physella acuta*** (Draparnaud)
Helicella obvia = ***Xerolenta obvia*** (Menke)
Helicigona faustina = ***Faustina faustina*** (Rossmässler)
Helicolimax pellucidus = ***Vitrina pellucida*** (O. F. Müller)
Helix aculeata = ***Acanthinula aculeata*** (O. F. Müller)
Helix aspersa = ***Cornu aspersum*** (O. F. Müller)
Helix auricularia = ***Radix auricularia*** (Linnaeus)
Helix balthica = ***Radix balthica*** (Linnaeus)
Helix bidens Chemnitz = ***Perforatella bidentata*** (Gmelin)
Helix bidentata = ***Perforatella bidentata*** (Gmelin)
Helix cellaria = ***Oxychilus cellarius*** (O. F. Müller)
Helix complanata = ***Hippeutis complanatus*** (Linnaeus)
Helix contorta = ***Bathyomphalus contortus*** (Linnaeus)
Helix cornea = ***Planorbis corneus*** (Linnaeus)
Helix costata = ***Vallonia costata*** (O. F. Müller)
Helix crystallina = ***Vitrea crystallina*** (O. F. Müller)
Helix fragilis Linnaeus = ***Lymnaea stagnalis*** (Linnaeus)
Helix fruticum = ***Fruticicola fruticum*** (O. F. Müller)
Helix fulva = ***Euconulus fulvus*** (O. F. Müller)
Helix hispida = ***Trochulus hispidus*** (Linnaeus)
Helix hortensis = ***Cepaea hortensis*** (O. F. Müller)
Helix nemoralis = ***Cepaea nemoralis*** (Linnaeus)
Helix nitida = ***Zonitoides nitidus*** (O. F. Müller)
Helix nitidula = ***Aegopinella nitidula*** (Draparnaud)
Helix planorbis = ***Planorbis planorbis*** (Linnaeus)
Helix pulchella = ***Vallonia pulchella*** (O. F. Müller)
Helix pulchella α *costata* = ***Vallonia costata*** (O. F. Müller)
Helix putris = ***Succinea putris*** (Linnaeus)
Helix pygmaea = ***Punctum pygmaeum*** (Draparnaud)
Helix ruderata = ***Discus ruderatus*** (W. Hartmann)
Helix spirorbis = ***Anisus spirorbis*** (Linnaeus)
Helix stagnalis = ***Lymnaea stagnalis*** (Linnaeus)
Helix strigella = ***Euomphalia strigella*** (Draparnaud)
Helix tentaculata = ***Bithynia tentaculata*** (Linnaeus)
Helix vortex = ***Anisus vortex*** (Linnaeus)

Henslowiana lilljeborgii = ***Pisidium lilljeborgii*** Clessin
Hippeutis diaphanella (Bourguignat) = ***Hippeutis complanatus*** (Linnaeus)
Hippeutis fontana (Lightfoot) = ***Hippeutis complanatus*** (Linnaeus)
Hippeutis riparius = ***Gyraulus riparius*** (Westerlund)
Hyalina crystallina = ***Vitrea crystallina*** (O. F. Müller)
Hyalina fulva = ***Euconulus fulvus*** (O. F. Müller)
Hyalina nitidula = ***Aegopinella nitidula*** (Draparnaud)
Hyalina pura = ***Aegopinella pura*** (Alder)
Hyalina pura var. *viridula* Menke = ***Nesovitrea hammonis*** (Ström)
Hyalina radiatula (Alder) = ***Nesovitrea hammonis*** (Ström)
Hydrobia (*Hydrobia*) *jenkinsi* Smith = ***Potamopyrgus antipodarum*** (J. E. Gray)
Hydrobia acuta Draparnaud = ***Ecrobia ventrosa*** (Montagu)
Hydrobia baltica Nilsson = ***Ecrobia ventrosa*** (Montagu)
Hydrobia scholtzi A. Schmidt = ***Marstoniopsis insubrica*** (Küster)
Hydrobia stagnalis (Baster) = ***Peringia ulvae*** (Pennant)
Hydrobia stagnorum (Gmelin) = ***Ecrobia ventrosa*** (Montagu)
Hydrobia steini Martens = ***Marstoniopsis insubrica*** (Küster)
Hydrobia ulvae = ***Peringia ulvae*** (Pennant)
Hydrobia ventrosa = ***Ecrobia ventrosa*** (Montagu)
Hydrophyga oblonga = ***Succinella oblonga*** (Draparnaud)
Iphigena latestriata = ***Macrogastra borealis*** (O. Boettger)
Iphigena plicatula = ***Macrogastra plicatula*** (Draparnaud)
Iphigena ventricosa = ***Macrogastra ventricosa*** (Draparnaud)
Isognostoma isognostoma = ***Isognomostoma isognomostomos*** (Schröter)
Isognomostoma personatum (Lamarck) = ***Isognomostoma isognomostomos*** (Schröter)
Laciniaria plicata = ***Laciniaria plicata*** (Draparnaud)
Laciniaria biplicata = ***Alinda biplicata*** (Montagu)
Laciniaria cana = ***Bulgarica cana*** (Held)
Lehmania marginata, orth. var. = ***Lehmania marginata*** (O. F. Müller)
Limax agrestis = ***Deroceras agreste*** (Linnaeus)
Limax cinereus O. F. Müller = ***Limax maximus*** Linnaeus
Limax cinereus O. F. Müller, partim = ***Limax cinereoniger*** Wolf
Limax flavus = ***Limacus flavus*** (Linnaeus)
Limax marginata = ***Lehmania marginata*** (O. F. Müller)
Limax tenellus = ***Malacolimax tenellus*** (O. F. Müller)
Limnaea ampla = ***Radix ampla*** (W. Hartmann)
Limnaea auricularia = ***Radix auricularia*** (Linnaeus)
Limnaea palustris = ***Stagnicola palustris*** (O. F. Müller)
Limnaea palustris var. *fusca* = ***Stagnicola fuscus*** (C. Pfeiffer)
Limnaea peregra (O. F. Müller) = ***Radix labiata*** (Rossmässler)
Limnaea stagnalis = ***Lymnaea stagnalis*** (Linnaeus)
Limnaea truncatula = ***Galba truncatula*** (O. F. Müller)
Limnaea auricularia = ***Radix auricularia*** (Linnaeus)
Limnaeus balthicus = ***Radix balthica*** (Linnaeus)
Limnaeus elongatus Draparnaud = ***Omphiscola glabra*** (O. F. Müller)
Limnaeus glaber = ***Omphiscola glabra*** (O. F. Müller)
Limnaeus ovatus (Draparnaud) = ***Radix balthica*** (Linnaeus)
Limnaeus palustris = ***Stagnicola palustris*** (O. F. Müller)
Limnaeus stagnalis = ***Lymnaea stagnalis*** (Linnaeus)
Limnaeus truncatulus = ***Galba truncatula*** (O. F. Müller)
Limnaea auricularia = ***Radix auricularia*** (Linnaeus)
Limnaea stagnalis = ***Lymnaea stagnalis*** (Linnaeus)
Lymnaea ampla = ***Radix ampla*** (W. Hartmann)
Lymnaea atra (Schrank) = ***Stagnicola fuscus*** (C. Pfeiffer)
Lymnaea auricularia = ***Radix auricularia*** (Linnaeus)
Lymnaea balthica = ***Radix balthica*** (Linnaeus)
Lymnaea bodamica (Miller) = ***Lymnaea stagnalis*** (Linnaeus)
Lymnaea corvus = ***Stagnicola corvus*** (Gmelin)
Lymnaea curtacorvus Kruglov & Starobogatov = ***Stagnicola corvus*** (Gmelin)
Lymnaea dupuyi (Locard) = ***Myxas glutinosa*** (O. F. Müller)
Lymnaea fragilis (Linnaeus) = ***Lymnaea stagnalis*** (Linnaeus)
Lymnaea fusca = ***Stagnicola fuscus*** (C. Pfeiffer)
Lymnaea glabra = ***Omphiscola glabra*** (O. F. Müller)
Lymnaea glutinosa = ***Myxas glutinosa*** (O. F. Müller)
Lymnaea gueretiniana (Servain) = ***Stagnicola corvus*** (Gmelin)
Lymnaea intermedia (Lamarck) = ***Radix balthica*** (Linnaeus)
Lymnaea lagotis = ***Radix lagotis*** (Schrank)
Lymnaea ovata (Draparnaud) = ***Radix balthica*** (Linnaeus)
Lymnaea palustris = ***Stagnicola palustris*** (O. F. Müller)
Lymnaea patula (Da Costa) = ***Radix ampla*** (W. Hartmann)
Lymnaea peregra (O. F. Müller) = ***Radix labiata*** (Rossmässler)
Lymnaea truncatula = ***Galba truncatula*** (O. F. Müller)
Lymnaea turricula = ***Stagnicola turricula*** (Held)
Lymnaeus auricularia = ***Radix auricularia*** (Linnaeus)
Lymnaeus balticus = ***Radix balthica*** (Linnaeus)
Lymnaeus fuscus = ***Stagnicola fuscus*** (C. Pfeiffer)
Lymnaeus ovatus (Draparnaud) = ***Radix balthica*** (Linnaeus)
Lymnaeus palustris = ***Stagnicola palustris*** (O. F. Müller)
Lymnaeus pereger (O. F. Müller) = ***Radix labiata*** (Rossmässler)

Lymnaeus stagnalis = ***Lymnaea stagnalis*** (Linnaeus)
Macoma baltica, orth. var. = ***Macoma balthica*** (Linnaeus)
Macrogastra latestriata (A. Schmidt) = ***Macrogastra borealis*** (O. Boettger)
Margaritana margaritifera = ***Margaritifera margaritifera*** (Linnaeus)
Marstoniopsis scholtzi (A. Schmidt) = ***Marstoniopsis insubrica*** (Küster)
Marstoniopsis steini (Martens) = ***Marstoniopsis insubrica*** (Küster)
Musculium creplini (Dunker) = ***Musculium lacustre*** (O. F. Müller)
Mya margaritifera = ***Margaritifera margaritifera*** (Linnaeus)
Mya pictorum = ***Unio pictorum*** (Linnaeus)
Mytilus anatinus = ***Anodonta anatina*** (Linnaeus)
Mytilus balticus Gm. = ***Mytilus trossulus*** Gould
Mytilus edulis, auctt. non Linnaeus = ***Mytilus trossulus*** Gould
Mytilus polymorphus = ***Dreissena polymorpha*** (Pallas)
Neopisidium moitessierianum = ***Pisidium moitessierianum*** Paladilhe
Neopisidium torquatum (Stelfox) = ***Pisidium moitessierianum*** Paladilhe
Neopisidium trigonum (Locard) = ***Pisidium moitessierianum*** Paladilhe
Nerita fluviatilis = ***Theodoxus fluviatilis*** (Linnaeus)
Nerita lacustris = ***Viviparus contectus*** (Millet)
Neritina fluviatilis = ***Theodoxus fluviatilis*** (Linnaeus)
Nesovitrea radiatula (Alder) = ***Nesovitrea hammonis*** (Ström)
Opisthorchophorus troschelii = ***Bithynia troschelii*** (Paasch)
Oxychilus cellarius, auctt. non O. F. Müller = ***Oxychilus alliarius*** (J. S. Miller)
Oxychilus komarowi (O. Boettger) = ***Oxychilus translucidus*** (Mortillet)
Oxyloma pfeifferi (Rossmässler) = ***Oxyloma elegans*** (Risso)
Paludina contecta = ***Viviparus contectus*** (Millet)
Paludina fasciata O. F. Müller = ***Viviparus contectus*** (Millet)
Paludina impura Lamarck = ***Viviparus contectus*** (Millet)
Paludina transsilvanica (E. A. Bielz) = ***Bithynia troschelii*** (Paasch)
Paludina troschelii = ***Bithynia troschelii*** (Paasch)
Paludina vivipara = ***Viviparus viviparus*** (Linnaeus)
Paraspira leucostoma = ***Anisus leucostoma*** (Millet)
Paraspira spirorbis = ***Anisus spirorbis*** (Linnaeus)
Patella lacustris = ***Acroloxus lacustris*** (Linnaeus)
Patella vulgata, non Linnaeus = ***Ancylus fluviatilis*** O. F. Müller
Patula rudrata = ***Discus rudratus*** (W. Hartmann)
Perforatella bidens Chemnitz = ***Perforatella bidentata*** (Gmelin)
Perforatella rubiginosa = ***Pseudotrichia rubiginosa*** (Rossmässler)
Perforatella vicina (O. F. Müller) = ***Monachoides vicinus*** (O. F. Müller)
Perpolita hammonis = ***Nesovitrea hammonis*** (Ström)
Perpolita petronella = ***Nesovitrea petronella*** (L. Pfeiffer)
Phenacolimax pellucidus = ***Vitrina pellucida*** (O. F. Müller)
Physa acuta = ***Physella acuta*** (Draparnaud)
Physa adversa Da Costa = ***Physa fontinalis*** (Linnaeus)
Physa fontinalis var. *bullata* O. F. Müller = ***Physa fontinalis*** (Linnaeus)
Physa heterostropha Say = ***Physella acuta*** (Draparnaud)
Physa hypnorum = ***Aplexa hypnorum*** (Linnaeus)
Physella heterostropha (Say) = ***Physella acuta*** (Draparnaud)
Pisidium cinereum Alder = ***Pisidium casertanum*** (Poli)
Pisidium cinereum var. *globulare* = ***Pisidium globulare*** Clessin
Pisidium fontinale Draparnaud = ***Pisidium casertanum*** (Poli)
Pisidium fossarinum Clessin = ***Pisidium casertanum*** (Poli)
Pisidium inflatum (Muhlfeld in Porro) = ***Pisidium amnicum*** (O. F. Müller)
Pisidium nitens Jenyns = ***Pisidium nitidum*** Jenyns
Pisidium obliquum (Pfeiffer) = ***Pisidium amnicum*** (O. F. Müller)
Pisidium ponderosum = ***Pisidium ponderosum*** (Stelfox)
Planorbarius banaticus (Lang) = ***Planorbarius corneus*** (Linnaeus)
Planorbarius grandis (Dunker) = ***Planorbarius corneus*** (Linnaeus)
Planorbarius purpura (O. F. Müller) = ***Planorbarius corneus*** (Linnaeus)
Planorbis albus = ***Gyraulus albus*** (O. F. Müller)
Planorbis complanatus = ***Hippeutis complanatus*** (Linnaeus)
Planorbis contortus = ***Bathymorphus contortus*** (Linnaeus)
Planorbis corneus = ***Planorbarius corneus*** (Linnaeus)
Planorbis crista = ***Gyraulus crista*** (Linnaeus)
Planorbis leucostoma = ***Anisus leucostoma*** (Millet)
Planorbis nautileus Linnaeus = ***Gyraulus crista*** (Linnaeus)
Planorbis nitidus = ***Segmentina nitida*** (O. F. Müller)
Planorbis rotundatus Poirret = ***Anisus leucostoma*** (Millet)
Planorbis septemgyratus = ***Anisus septemgyratus*** (Rossmässler)
Planorbis spirorbis = ***Anisus spirorbis*** (Linnaeus)
Planorbis vortex = ***Anisus vortex*** (Linnaeus)
Planorbis marginatus Draparnaud = ***Hippeutis complanatus*** (Linnaeus)
Potamopyrgus jenkinsi (Smith) = ***Potamopyrgus antipodarum*** (J. E. Gray)
Pseudancylus fluviatilis = ***Ancylus fluviatilis*** O. F. Müller
Pseudanodonta anatina = ***Anodonta anatina*** (Linnaeus)
Pseudanodonta anatina, sensu Starobogatov, non Linnaeus = ***Pseudanodonta complanata*** (Rossmässler)
Pseudanodonta complanata klettii (Rossmässler) = ***Pseudanodonta complanata*** (Rossmässler)
Pseudanodonta elongata (Hollandre) = ***Pseudanodonta complanata*** (Rossmässler)

Pseudanodonta klettii (Rossmässler) = ***Pseudanodonta complanata*** (Rossmässler)
Pseudanodonta minima nordenskioldi (Bourguignat) = ***Pseudanodonta complanata*** (Rossmässler)
Pseudanodonta nordenskioldi Bourguignat = ***Pseudanodonta complanata*** (Rossmässler)
Pseudanodonta nordenskioldi, orth. var. = ***Pseudanodonta complanata*** (Rossmässler)
Pupa *angustior* = ***Vertigo angustior*** Jeffreys
Pupa *antivertigo* = ***Vertigo antivertigo*** (Draparnaud)
Pupa *avenacea* = ***Chondrina avenacea*** (Bruguière)
Pupa *büttneri* = ***Vertigo buettneri*** (Siemaschko) [SPECIES INQUIRENDA]
Pupa *edentula* = ***Columella edentula*** (Draparnaud)
Pupa *minutissima* Hartmann = ***Truncatellina cylindrica*** (A. Férussac)
Pupa *muscorum* = ***Pupilla muscorum*** (Linnaeus)
Pupa *muscorum* var. *pratensis* = ***Pupilla pratensis*** (Clessin)
Pupa *pusilla* = ***Vertigo pusilla*** O. F. Müller
Pupa *pygmaea* = ***Vertigo pygmaea*** (Draparnaud)
Pupa *umbilicata* Draparnaud = ***Pupilla muscorum*** (Linnaeus)
Pupa *vertigo* Draparnaud = ***Vertigo pusilla*** O. F. Müller
Radix auricularia subsp. *ampla* = ***Radix ampla*** (W. Hartmann)
Radix auricularia var. *ampla* = ***Radix ampla*** (W. Hartmann)
Radix baltica, orth. var. = ***Radix balthica*** (Linnaeus)
Radix glutinosa = ***Myxas glutinosa*** (O. F. Müller)
Radix ovata Draparnaud = ***Radix balthica*** (Linnaeus)
Radix ovata f. *patula* (Da Costa) = ***Radix ampla*** (W. Hartmann)
Radix ovata subsp. *ampla* = ***Radix ampla*** (W. Hartmann)
Radix ovata var. *patula* (Da Costa) = ***Radix ampla*** (W. Hartmann)
Radix pereger (O. F. Müller) = ***Radix labiata*** (Rossmässler)
Radix peregra (O. F. Müller) = ***Radix labiata*** (Rossmässler)
Retinella nitens = ***Aegopinella nitens*** (Michaud)
Retinella nitidula = ***Aegopinella nitidula*** (Draparnaud)
Retinella petronella = ***Nesovitrea petronella*** (L. Pfeiffer)
Retinella pura = ***Aegopinella pura*** (Alder)
Retinella radiatula (Alder) = ***Nesovitrea hammonis*** (Ström)
Rivicolina boettgeriana (Bourguignat in Servain) = ***Sphaerium rivicola*** (Lamarck)
Rivicolina rivicola = ***Sphaerium rivicola*** (Lamarck)
Segmentina clessini (Westerlund) = ***Segmentina nitida*** (O. F. Müller)
Segmentina distinguenda (Gredler) = ***Segmentina nitida*** (O. F. Müller)
Segmentina montgazoniana Bourguignat in Servain = ***Segmentina nitida*** (O. F. Müller)
Segmentina servaini Bourguignat in Servain = ***Segmentina nitida*** (O. F. Müller)
Shadinicyclas boettgeriana (Bourguignat in Servain) = ***Sphaerium rivicola*** (Lamarck)
Shadinicyclas rivicola = ***Sphaerium rivicola*** (Lamarck)
Sphaeriastrum rivicola = ***Sphaerium rivicola*** (Lamarck)
Sphaerium corneum var. *nucleus* = ***Sphaerium nucleus*** (S. Studer)
Sphaerium lacustre = ***Musculium lacustre*** (O. F. Müller)
Sphaerium mamillanum Westerlund = ***Sphaerium corneum*** (Linnaeus)
Sphaerium nitidum, sensu Starobogatov non Clessin in Westerlund = ***Sphaerium ovale*** (A. Férussac)
Sphaerium radiatum (Clessin in Westerlund) = ***Sphaerium ovale*** (A. Férussac)
Sphaerium scaldianum (Normand) = ***Sphaerium corneum*** (Linnaeus)
Sphaerium suecicum Westerlund = ***Sphaerium corneum*** (Linnaeus)
Spiralina leucostoma = ***Anisus leucostoma*** (Millet)
Spiralina spirorbis = ***Anisus spirorbis*** (Linnaeus)
Spiralina vortex = ***Anisus vortex*** (Linnaeus)
Spiralina vorticulus = ***Anisus vorticulus*** (Troschel)
Stagnicola peregriformis (Clessin) = ***Stagnicola fuscus*** (C. Pfeiffer)
Succinea amphibia Draparnaud = ***Succinea putris*** (Linnaeus)
Succinea elegans = ***Oxyloma elegans*** (Risso)
Succinea oblonga = ***Succinella oblonga*** (Draparnaud)
Succinea pfeifferi Rossmässler = ***Oxyloma elegans*** (Risso)
Tachea hortensis = ***Cepaea hortensis*** (O. F. Müller)
Tellina balthica = ***Macoma balthica*** (Linnaeus)
Tellina baltica, orth. var. = ***Macoma balthica*** (Linnaeus)
Tellina cornea = ***Sphaerium corneum*** (Linnaeus)
Tellina lacustris = ***Musculium lacustre*** (O. F. Müller)
Trichia hispida = ***Trochulus hispidus*** (Linnaeus)
Trichia plebeia, auctt. = ***Trochulus hispidus*** (Linnaeus)
Trichia sericea, auctt. = ***Pseudotrachia rubiginosa*** (Rossmässler)
Trichia sericea, auctt. = ***Trochulus hispidus*** (Linnaeus)
Unio ater Nilsson = ***Unio crassus*** Philipsson
Unio batavus ater Nilsson = ***Unio crassus*** Philipsson
Unio batavus Lamarck = ***Unio crassus*** Philipsson
Unio batavus pseudolitoralis Clessin = ***Unio crassus*** Philipsson
Unio conus Spengler = ***Unio tumidus*** Philipsson
Unio limosus (Nilsson) = ***Unio pictorum*** (Linnaeus)
Unio longirostris Rossmässler = ***Unio pictorum*** (Linnaeus)
Unio margaritifera = ***Margaritifera margaritifera*** (Linnaeus)
Unio muelleri Rossmässler = ***Unio pictorum*** (Linnaeus)
Unio ovalis (Montagu) = ***Unio tumidus*** Philipsson
Vallonia pulchella var. *enniensis* = ***Vallonia enniensis*** (Gredler)
Valvata ambigua Westerlund = ***Valvata piscinalis*** (O. F. Müller)
Valvata andreana Menzel = ***Valvata piscinalis*** (O. F. Müller)
Valvata depressa C. Pfeiffer = ***Valvata macrostoma*** Mörch
Valvata elatior Menzel = ***Valvata piscinalis*** (O. F. Müller)
Valvata geyeri Menzel = ***Valvata piscinalis*** (O. F. Müller)
Valvata nana Westerlund = ***Valvata piscinalis*** (O. F. Müller)
Valvata naticina = ***Borysthenia naticina*** (Menke)
Valvata planorbulina Paladilhe = ***Valvata cristata*** O. F. Müller
Valvata profunda Clessin = ***Valvata piscinalis*** (O. F. Müller)
Valvata pulchella, auctt. = ***Valvata macrostoma*** Mörch
Valvata pusilla (O. F. Müller), = ***Valvata piscinalis*** (O. F. Müller)
Valvata spirorbis Draparnaud = ***Valvata cristata*** O. F. Müller
Valvata trochoidea Menke = ***Valvata piscinalis*** (O. F. Müller)
Vertigo büttneri = ***Vertigo buettneri*** (Siemaschko) [SPECIES INQUIRENDA]
Vertigo genesii geyeri = ***Vertigo geyeri*** Lindholm
Vertigo genesii var. *geyeri* = ***Vertigo geyeri*** Lindholm
Vivipara contecta = ***Viviparus contectus*** (Millet)
Vivipara fasciata O. F. Müller = ***Viviparus contectus*** (Millet)
Vivipara vera v. Frauenfeld = ***Viviparus viviparus*** (Linnaeus)
Viviparus fasciatus (O. F. Müller) = ***Viviparus contectus*** (Millet)
Viviparus fasciatus atropurpureus Schlesch = ***Viviparus contectus*** (Millet)
Viviparus fasciatus nigerrimus Schlesch = ***Viviparus contectus*** (Millet)
Viviparus fluviatile Schlesch = ***Viviparus viviparus*** (Linnaeus)
Viviparus lacustris Beck = ***Viviparus contectus*** (Millet)
Viviparus lacustris var. *minor* Schlesch = ***Viviparus contectus*** (Millet)
Viviparus viviparus var. *virescens* Jeffreys = ***Viviparus viviparus*** (Linnaeus)
Zenobiella rubiginosa = ***Pseudotrachia rubiginosa*** (Rossmässler)
Zonitoides nitidus petronella = ***Nesovitrea petronella*** (L. Pfeiffer)
Zonitoides petronellus = ***Nesovitrea petronella*** (L. Pfeiffer)
Zonitoides radiatulus (Alder) = ***Nesovitrea hammonis*** (Ström)
Zonitoides radiatulus petronella = ***Nesovitrea petronella*** (L. Pfeiffer)
Zonitoides radiatulus subsp. *petronella* = ***Nesovitrea petronella*** (L. Pfeiffer)

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