

FAUNA EUROPAEA PROJECT

Checklist of the land and freshwater Gastropoda of Estonia

Prepared by **Ruud A. Bank**

(Chopinlaan 21, 9603 AM Hoogeveen, the Netherlands, phone +31-598-852132)

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Send remarks/additions/corrections to Ruud.Bank@quicknet.nl

Statement

The assessment of biodiversity, monitoring changes, sustainable exploitation of biodiversity, and much legislative work depends upon validated knowledge of its components: the taxonomic diversity. However, information and expertise on the European animal species is scattered around numerous public and private organisations, they are in different formats and standards, and are of unequal quality. Fauna Europaea provides a basic tool for the European community, namely a uniform database on the European land and freshwater animal taxonomic diversity. The Fauna Europaea project has build a public WWW service on the scientific names (with selected additional data) of the present living multicellular European land and freshwater animal species. See www.faunaeur.org for its website.

The data on the land and freshwater gastropods in the Fauna Europaea database are provided by the present author (Ruud A. Bank). At the request of the scientific community, I here provide a text file on which the www.faunaeur.org is based upon. I would like to stress that the latest update of the website is from December 2010, whereas the latest update of the present text file is from July 24th, 2011. Furthermore, the systematic framework of the Gastropoda of www.faunaeur.org is based on CLECOM, as published in the paper of BANK *et al.* (2001). In the current text file this classification is now abandoned. The current systematic framework follows that of BOUCHET & ROCROI (2005) as it is expected that this classification will be the golden standard in the scientific community for the next decades.

The current list will be updated regularly. Therefore, the author encourages others to provide him with remarks / corrections / additions concerning the present list. Improvements are welcomed all the time! As a further step, I will provide in due time reference lists, as well as the primary citations of the taxa involved.

R.A. BANK, P. BOUCHET, G. FALKNER, E. GITTENBERGER, B. HAUSDORF, T. VON PROSCHWITZ & TH.E.J. RIPKEN (2001): Supraspecific classification of European non-marine Mollusca (CLECOM Sections I + II). – *Heldia*, 4 (1/2): 77-128. München.

P. BOUCHET & J.-P. ROCROI (2005): Classification and Nomenclator of gastropod families. – *Malacologia*, 47 (1/2): 1-397. Philadelphia.

Phylum Mollusca CUVIER, 1795
Classis Gastropoda CUVIER, 1795
Subclassis Neritimorpha KOKEN, 1896
Ordo Cycloneritimorpha Frýda, 1998
Superfamilia Neritoidea RAFINESQUE, 1815
Familia Neritidae RAFINESQUE, 1815
Subfamilia Neritinae POEY, 1852
Tribus Theodoxini BANDEL, 2001

Genus *Theodoxus* MONTFORT, 1810

Subgenus *Theodoxus* MONTFORT, 1810

- *Theodoxus (Theodoxus) fluviatilis fluviatilis* (LINNAEUS, 1758) – EE

Subclassis Caenogastropoda COX, 1960
 Ordo Architaenioglossa HALLER, 1890
 Superfamilia Cyclophoroidea J.E. GRAY, 1847
Familia Aciculidae J.E. GRAY, 1850

Genus *Platyla* MOQUIN-TANDON, 1856

- *Platyla polita polita* (W. HARTMANN, 1840) – EE

Superfamilia Viviparoidea J.E. GRAY, 1847
Familia Viviparidae J.E. GRAY, 1847
 Subfamilia Viviparinae J.E. GRAY, 1847

Genus *Viviparus* MONTFORT, 1810

- *Viviparus contectus* (MILLET, 1813) – EE
- *Viviparus viviparus* (LINNAEUS, 1758) – EE

Infraclassis Sorbeoconcha PONDER & LINDBERG, 1997
 Ordo Littorinimorpha PHELINTSEV, 1963
 Superfamilia Rissoidae J.E. GRAY, 1847
Familia Bithyniidae J.E. GRAY, 1857

Genus *Bithynia* LEACH, 1818

- *Bithynia leachii* (SHEPPARD, 1823) – EE
- *Bithynia tentaculata* (LINNAEUS, 1758) – EE

Familia Hydrobiidae STIMPSON, 1865
 Subfamilia Tateinae THIELE, 1925

Genus *Potamopyrgus* STIMPSON, 1865

- *Potamopyrgus antipodarum* (J.E. GRAY, 1843) – EE

Subfamilia Hydrobiinae STIMPSON, 1865

Genus *Ecrobia* STIMPSON, 1865

- *Ecrobia ventrosa* (MONTAGU, 1803) – EE

Genus *Peringia* PALADILHE, 1874

- *Peringia ulvae* (PENNANT, 1777) – EE

Familia Amnicolidae TRYON, 1863
 Subfamilia Amnicolinae TRYON, 1863

Genus *Marstoniopsis* VAN REGTEREN ALTENA, 1936

- *Marstoniopsis insubrica* (KÜSTER, 1853) – EE

Subclassis Heterobranchia BURMEISTER, 1837
 Ordo Allogastropoda HASZPRUNAR, 1985
 Superfamilia Valvatoidea J.E. GRAY, 1840

Familia Valvatidae J.E. GRAY, 1840

Genus *Valvata* O.F. MÜLLER, 1773

Subgenus *Valvata* O.F. MÜLLER, 1773

- *Valvata (Valvata) cristata* O.F. MÜLLER, 1774 – EE

Subgenus *Tropidina* H. & A. ADAMS, 1854

- *Valvata (Tropidina) macrostoma* MÖRCH, 1864 – EE

Subgenus *Cincinna* HÜBNER, 1810

- *Valvata (Cincinna) piscinalis* (O.F. MÜLLER, 1774) – EE

Infraclassis Pulmonata CUVIER in BLAINVILLE, 1814

Ordo Hygrophila A. FÉRUSAC, 1822

Superfamilia Acroloxoidea THIELE, 1931

Familia Acroloxidae THIELE, 1931

Genus *Acroloxus* H. BECK, 1838

- *Acroloxus lacustris* (LINNAEUS, 1758) – EE

Superfamilia Lymnaeioidea RAFINESQUE, 1815

Familia Lymnaeidae RAFINESQUE, 1815

Subfamilia Lymnaeinae RAFINESQUE, 1815

Genus *Galba* SCHRANK, 1803

Subgenus *Galba* SCHRANK, 1803

- *Galba (Galba) truncatula* (O.F. MÜLLER, 1774) – EE

Genus *Stagnicola* JEFFREYS, 1830

- *Stagnicola palustris* (O.F. MÜLLER, 1774) – EE

Genus *Radix* MONTFORT, 1810

- *Radix ampla* (W. HARTMANN, 1821) – EE
- *Radix auricularia* (LINNAEUS, 1758) – EE
- *Radix balthica* (LINNAEUS, 1758) – EE

Genus *Myxas* G.B. SOWERBY I, 1822

- *Myxas glutinosa* (O.F. MÜLLER, 1774) – EE

Genus *Lymnaea* LAMARCK, 1799

- *Lymnaea stagnalis* (LINNAEUS, 1758) – EE

Superfamilia Planorboidea RAFINESQUE, 1815

Familia Physidae FITZINGER, 1833

Subfamilia Physinae FITZINGER, 1833

Tribus Physini FITZINGER, 1833

Genus *Physa* DRAPARNAUD, 1801

- *Physa fontinalis* (LINNAEUS, 1758) – EE

Subfamilia Aplexinae STAROBOGATOV, 1967
Tribus Aplexini STAROBOGATOV, 1967

Genus *Aplexa* FLEMING, 1820

- *Aplexa hypnorum* (LINNAEUS, 1758) – EE

Familia Planorbidae RAFINESQUE, 1815
Subfamilia Bulininae P. FISCHER & CROSSE, 1880
Tribus Coretini J.E. GRAY, 1847

Genus *Planorbarius* DUMÉRIL, 1806

- *Planorbarius corneus corneus* (LINNAEUS, 1758) – EE

Subfamilia Planorbinae RAFINESQUE, 1815
Tribus Planorbini RAFINESQUE, 1815

Genus *Planorbis* O.F. MÜLLER, 1773

Subgenus *Planorbis* O.F. MÜLLER, 1773

- *Planorbis (Planorbis) carinatus* O.F. MÜLLER, 1774 – EE
- *Planorbis (Planorbis) planorbis* (LINNAEUS, 1758) – EE

Genus *Anisus* S. STUDER, 1820

Subgenus *Anisus* S. STUDER, 1820

- *Anisus (Anisus) leucostoma* (MILLET, 1813) – EE
- *Anisus (Anisus) spirorbis* (LINNAEUS, 1758) – EE

Subgenus *Disculifer* C. BOETTGER, 1944

- *Anisus (Disculifer) vortex* (LINNAEUS, 1758) – EE

Genus *Bathyomphalus* CHARPENTIER, 1837

- *Bathyomphalus contortus* (LINNAEUS, 1758) – EE

Genus *Gyraulus* CHARPENTIER, 1837

Subgenus *Gyraulus* CHARPENTIER, 1837

- *Gyraulus (Gyraulus) acronicus* (A. FÉRUSAC, 1807) – EE
- *Gyraulus (Gyraulus) albus* (O.F. MÜLLER, 1774) – EE
- *Gyraulus (Gyraulus?) stroemi* (WESTERLUND, 1881) – EE

Subgenus *Armiger* W. HARTMANN, 1843

- *Gyraulus (Armiger) crista* (LINNAEUS, 1758) – EE

Tribus Segmentini F.C. BAKER, 1945

Genus *Hippeutis* CHARPENTIER, 1837

- *Hippeutis complanatus* (LINNAEUS, 1758) – EE

Genus *Segmentina* FLEMING, 1818

- *Segmentina nitida* (O.F. MÜLLER, 1774) – EE

Tribus Ancylini RAFINESQUE, 1815

Genus *Ancylus* O.F. MÜLLER, 1773

- *Ancylus fluviatilis* O.F. MÜLLER, 1774 – EE

Ordo Eupulmonata HASZPRUNAR & HUBER, 1990
Superfamilia Ellobioidea L. PFEIFFER, 1854 (1822)
Familia Ellobiidae L. Pfeiffer, 1854 (1822)
Subfamilia Carychiinae JEFFREYS, 1830

Genus *Carychium* O.F. MÜLLER, 1773

Subgenus *Carychium* O.F. MÜLLER, 1773

- *Carychium (Carychium) minimum* O.F. MÜLLER, 1774 – EE

Subgenus *Saraphia* Risso, 1826

- *Carychium (Saraphia) tridentatum* (RISSE, 1826) – EE

Ordo Stylommatophora A. SCHMIDT, 1855
Subordo Elasmognatha MÖRCH, 1865
Superfamilia Succineoidea H. BECK, 1837
Familia Succineidae H. BECK, 1837
Subfamilia Succineinae H. BECK, 1837

Genus *Succinea* DRAPARNAUD, 1801

- *Succinea putris* (LINNAEUS, 1758) – EE

Genus *Succinella* J. MABILLE, 1871

- *Succinella oblonga* (DRAPARNAUD, 1801) – EE

Genus *Oxyloma* WESTERLUND, 1885

Subgenus *Oxyloma* WESTERLUND, 1885

- *Oxyloma (Oxyloma) elegans elegans* (RISSE, 1826) – EE
- *Oxyloma (Oxyloma) sarsii* (ESMARK, 1886) – EE

Subordo Orthurethra PILSBRY, 1900
Superfamilia Cochlicopoidea PILSBRY, 1900 (1879)
Familia Cochlicopidae PILSBRY, 1900 (1879)
Subfamilia Cochlicopinae PILSBRY, 1900 (1879)

Genus *Cochlicopa* A. FÉRUSAC, 1821

- *Cochlicopa lubrica* (O.F. MÜLLER, 1774) – EE
- *Cochlicopa lubricella* (PORRO, 1838) – EE

Superfamilia Pupilloidea TURTON, 1831
Familia Valloniidae MORSE, 1864
Subfamilia Valloniinae MORSE, 1864

Genus *Vallonia* RISSO, 1826

- *Vallonia costata* (O.F. MÜLLER, 1774) – EE
- *Vallonia excentrica* STERKI, 1893 – EE
- *Vallonia pulchella* (O.F. MÜLLER, 1774) – EE

Subfamilia Acanthinulinae STEENBERG, 1917

Genus *Acanthinula* H. BECK, 1847

- *Acanthinula aculeata* (O.F. MÜLLER 1774) – EE

Genus *Zoogenetes* MORSE, 1864

- *Zoogenetes harpa* (SAY, 1824) – EE

Familia Pupillidae TURTON, 1831

Genus *Pupilla* FLEMING, 1828

Subgenus *Pupilla* FLEMING, 1828

- *Pupilla (Pupilla) muscorum* (LINNAEUS, 1758) – EE

Familia Vertiginidae FITZINGER, 1833

Subfamilia Vertigininae FITZINGER, 1833

Tribus Truncatellinini STEENBERG, 1925

Genus *Columella* WESTERLUND, 1878

- *Columella aspera* WALDÉN, 1966 – EE
- *Columella edentula* (DRAPARNAUD, 1805) – EE

Genus *Truncatellina* R.T. LOWE, 1852

- *Truncatellina costulata* (NILSSON, 1823) – EE
- *Truncatellina cylindrica* (A. FÉRUSSAC, 1807) – EE

Tribus Vertiginini FITZINGER, 1833

Genus *Vertigo* O.F. MÜLLER, 1773

Subgenus *Vertigo* O.F. MÜLLER, 1773

- *Vertigo (Vertigo) alpestris* ALDER, 1838 – EE
- *Vertigo (Vertigo) antivertigo* (DRAPARNAUD, 1801) – EE
- *Vertigo (Vertigo) geyeri* LINDHOLM, 1925 – EE
- *Vertigo (Vertigo) pusilla* O.F. MÜLLER, 1774 – EE
- *Vertigo (Vertigo) pygmaea* (DRAPARNAUD, 1801) – EE
- *Vertigo (Vertigo) ronnebyensis* (WESTERLUND, 1871) – EE
- *Vertigo (Vertigo) substriata* (JEFFREYS, 1833) – EE

Subgenus *Vertilla* MOQUIN-TANDON, 1856

- *Vertigo (Vertilla) angustior* JEFFREYS, 1830 – EE

Superfamilia Enoidea B.B. WOODWARD, 1903 (1880)

Familia Enidae B.B. WOODWARD, 1903 (1880)

Subfamilia Eninae B.B. WOODWARD, 1903 (1880)

Tribus Enini B.B. WOODWARD, 1903 (1880)

Genus *Ena* TURTON, 1831

- *Ena montana* (DRAPARNAUD, 1801) – EE

Tribus Multidentulini SCHILEYKO, 1978

Genus *Merdigera* HELD, 1838

- *Merdigera obscura* (O.F. MÜLLER, 1774) – EE

Subordo Sigmurethra PILSBRY, 1900
Superfamilia Clausilioidea J.E. GRAY, 1855
Familia Clausiliidae J.E. GRAY, 1855
Subfamilia Alopinae A.J. WAGNER, 1913
Tribus Cochlodinini LINDHOLM, 1925 (1923)

Genus *Cochlodina* A. FÉRUSSAC, 1821

Subgenus *Cochlodina* A. FÉRUSSAC, 1821

- *Cochlodina (Cochlodina) laminata laminata* (MONTAGU, 1803) – EE

Subgenus *Paracochlodina* H. NORDSIECK, 1969

- *Cochlodina (Paracochlodina) orthostoma orthostoma* (MENKE, 1828) – EE

Subfamilia Clausiliinae J.E. GRAY, 1855
Tribus Clausiliini J.E. GRAY, 1855

Genus *Ruthenica* LINDHOLM, 1924

- *Ruthenica filograna filograna* (ROSSMÄSSLER, 1836) – EE

Genus *Macrogastra* W. HARTMANN, 1841

Subgenus *Macrogastra* W. HARTMANN, 1841

- *Macrogastra (Macrogastra) ventricosa ventricosa* (DRAPARNAUD, 1801) – EE

Subgenus *Pyrostoma* VEST, 1867

- *Macrogastra (Pyrostoma) borealis borealis* (O. BOETTGER, 1878) – EE
- *Macrogastra (Pyrostoma) plicatula plicatula* (DRAPARNAUD, 1801) – EE

Genus *Clausilia* DRAPARNAUD, 1805

Subgenus *Clausilia* DRAPARNAUD, 1805

- *Clausilia (Clausilia) bidentata bidentata* (STRØM, 1765) – EE
- *Clausilia (Clausilia) cruciata cruciata* (S. STUDER, 1820) – EE
- *Clausilia (Clausilia) pumila pumila* C. PFEIFFER, 1828 – EE

Subgenus *Andraea* L. PFEIFFER, 1848

- *Clausilia (Andraea) dubia dubia* DRAPARNAUD, 1805 – EE

Subfamilia Baleinae A.J. WAGNER, 1913

Genus *Laciniaria* W. HARTMANN, 1842

- *Laciniaria plicata plicata* (DRAPARNAUD, 1801) – EE

Genus *Balea* J.E. GRAY, 1824

- *Balea perversa* (LINNAEUS, 1758) – EE

Genus *Bulgarica* O. BOETTGER, 1877

Subgenus *Strigilecula* KENNARD & B.B. WOODWARD, 1923

- *Bulgarica (Strigilecula) cana cana* (HELD, 1836) – EE

Superfamilia Punctoidea MORSE, 1864

Familia Punctidae MORSE, 1864

Genus *Punctum* MORSE, 1864

Subgenus *Punctum* MORSE, 1864

- *Punctum (Punctum) pygmaeum* (DRAPARNAUD, 1801) – EE

Familia Discidae THIELE, 1931 (1866)

Genus *Discus* FITZINGER, 1833

Subgenus *Discus* FITZINGER, 1833

- *Discus (Discus) ruderatus ruderatus* (W. HARTMANN, 1821) – EE

Subgenus *Gonyodiscus* FITZINGER, 1833

- *Discus (Gonyodiscus) rotundatus rotundatus* (O.F. MÜLLER, 1774) – EE

Superfamilia Gastrodontoidea TRYON, 1866

Familia Pristilomatidae T. COCKERELL, 1891

Genus *Vitrea* FITZINGER, 1833

- *Vitrea crystallina* (O.F. MÜLLER, 1774) – EE

Familia Euconulidae H.B. BAKER, 1928

Subfamilia Euconulinae H.B. BAKER, 1928

Genus *Euconulus* REINHARDT, 1883

Subgenus *Euconulus* REINHARDT, 1883

- *Euconulus (Euconulus) fulvus* (O.F. MÜLLER, 1774) – EE

Familia Gastrodontidae TRYON, 1866

Genus *Zonitoides* LEHMANN, 1862

Subgenus *Zonitoides* LEHMANN, 1862

- *Zonitoides (Zonitoides) nitidus* (O.F. MÜLLER, 1774) – EE

Familia Oxychilidae P. HESSE, 1927 (1879)

Subfamilia Oxychilinae P. HESSE, 1927 (1879)

Genus *Oxychilus* FITZINGER, 1833

Subgenus *Oxychilus* FITZINGER, 1833

- *Oxychilus (Oxychilus) cellarius* (O.F. MÜLLER, 1774) – EE

Subgenus *Ortizius* FORCART, 1957

- *Oxychilus (Ortizius) allarius* (J.S. MILLER, 1822) – EE

Subfamilia Godwiniinae C.M. COOKE, 1921

Genus *Aegopinella* LINDHOLM, 1927

- *Aegopinella nitidula* (DRAPARNAUD, 1805) – EE
- *Aegopinella pura* (ALDER, 1830) – EE

Genus *Nesovitrea* C. M. COOKE, 1921

Subgenus *Perpolita* H.B. BAKER, 1928

- *Nesovitrea (Perpolita) hammonis* (STRØM, 1765) – EE
- *Nesovitrea (Perpolita) petronella* (L. PFEIFFER, 1853) – EE

Superfamilia Limacoidea LAMARCK, 1801

Familia Vitrinidae FITZINGER, 1833

Genus *Vitrina* DRAPARNAUD, 1801

- *Vitrina pellucida* (O.F. MÜLLER, 1774) – EE

Familia Limacidae LAMARCK, 1801

Subfamilia Limacinae LAMARCK, 1801

Genus *Limax* LINNAEUS, 1758

- *Limax cinereoniger* WOLF, 1803 – EE
- *Limax maximus* LINNAEUS, 1758 – EE

Genus *Limacus* LEHMANN, 1864

- *Limacus flavus* (LINNAEUS, 1758) – EE

Genus *Malacolimax* MALM, 1868

- *Malacolimax tenellus* (O.F. MÜLLER, 1774) – EE

Genus *Lehmannia* HEYNEMANN, 1863

- *Lehmannia marginata* (O.F. MÜLLER, 1774) – EE

Familia Agriolimacidae H. WAGNER, 1935

Subfamilia Agriolimacinae H. WAGNER, 1935

Genus *Derocheras* RAFINESQUE, 1820

Subgenus *Derocheras* RAFINESQUE, 1820

- *Derocheras (Derocheras) agreste* (LINNAEUS, 1758) – EE
- *Derocheras (Derocheras) laeve* (O.F. MÜLLER, 1774) – EE
- *Derocheras (Derocheras) reticulatum* (O.F. MÜLLER, 1774) – EE

Superfamilia Arionoidea J.E. Gray, 1840
Familia Arionidae J.E. GRAY, 1840

Genus *Arion* A. FÉRUSAC, 1819

Subgenus *Mesarion* P. HESSE, 1926

- *Arion (Mesarion) fuscus* (O.F. MÜLLER, 1774) – EE

Subgenus *Carinarion* P. HESSE, 1926

- *Arion (Carinarion) fasciatus* (NILSSON, 1823) – EE

Superfamilia Helicoidea RAFINESQUE, 1815
Familia Bradybaenidae PILSBRY, 1934 (1898)
Subfamilia Bradybaeninae PILSBRY, 1934 (1898)
Tribus Bradybaenini PILSBRY, 1934 (1898)

Genus *Fruticicola* HELD, 1838

- *Fruticicola fruticum* (O.F. MÜLLER, 1774) – EE

Familia Hygromiidae TRYON, 1866
Subfamilia Monachinae WENZ, 1930 (1904)
Tribus Euomphaliini SCHILEYKO, 1978

Genus *Euomphalia* WESTERLUND, 1889

- *Euomphalia strigella strigella* (DRAPARNAUD, 1801) – EE

Subfamilia Hygromiinae TRYON, 1866
Tribus Trochulini LINDHOLM, 1927

Genus *Trochulus* CHEMNITZ, 1786

Subgenus *Trochulus* CHEMNITZ, 1786

- *Trochulus (Trochulus) hispidus* (LINNAEUS, 1758) – EE

Tribus Leptaxini C. BOETTGER, 1909

Genus *Pseudotrichia* SCHILEYKO, 1970

- *Pseudotrichia rubiginosa* (ROSSMÄSSLER, 1838) – EE

Genus *Perforatella* SCHLÜTER, 1838

- *Perforatella bidentata* (GMELIN, 1791) – EE

Familia Helicidae RAFINESQUE, 1815
Subfamilia Ariantinae MÖRCH, 1864

Genus *Arianta* TURTON, 1831

- *Arianta arbustorum arbustorum* (LINNAEUS, 1758) – EE

Subfamilia Helicinae RAFINESQUE, 1815
Tribus Helicini RAFINESQUE, 1815

Genus *Cepaea* HELD, 1838

Subgenus *Cepaea* HELD, 1838

- *Cepaea (Cepaea) hortensis* (O.F. MÜLLER, 1774) – EE
- *Cepaea (Cepaea) nemoralis nemoralis* (LINNAEUS, 1758) – EE

Genus *Helix* LINNAEUS, 1758

Subgenus *Helix* LINNAEUS, 1758

- *Helix (Helix) pomatia* LINNAEUS, 1758 – EE