HOST-PARASITE LIST

CLASS CEPHALASPIDOMORPHI

ORDER PETRMYZONTIFORMES

FAMILY PETROMYZONTIDAE

Lampetra fluviatilis (Linnaeus, 1758)
European river lamprey
Upes nēģis
Речная минога
Status: native
Environment: freshwater, brackish, marine

- Digenea
  - *Diplostomum spathaceum* metacercaria (Daugava River, Gulf of Riga)
  - *D. petromyzifluviatilis* metacercaria (Daugava River, Gulf of Riga)
  - *Diplostomulum* sp. metacercaria (Gulf of Riga)
- Cestoda
  - *Eubothrium* sp. (Daugava River, Gulf of Riga)
  - *Proteocephalus* sp. (Daugava, Ogre Rivers; Gulf of Riga)
- Nematoda
  - *Cucullanus truttae* (Daugava River,Gulf of Riga)
  - *Cystidicola farionis* (Daugava River, Gulf of Riga)
  - Nematoda gen. sp. (Daugava River)
- Acanthocephala
  - *Corynosoma semerme* juvenile (Daugava, Gauja Rivers)
  - *C. strumosum* juvenile (Daugava River)
  - *Echinorhynchus gadi* (Daugava River, Gulf of Riga)
- Hirudinida
  - *Piscicola geometra* (Gulf of Riga)
- Crustacea
  - *Argulus foliaceus* (Gulf of Riga)

Remarks: The river lamprey is anadromous species. Adults occur in the Baltic Sea and Gulf of Riga, entering rivers for spawning. It is a commercially important species with an annual catch of 70–170 tonnes (Plikšs & Aleksejevs 1998).

Lampetra planeri (Bloch)
European brook lamprey
Evropeiskaja rutschjevnaja minoga
Status: native
Environment: freshwater,brackish, marine

- Nematoda
  - Nematoda gen. sp. larva

CLASS ACTINOPTERYGII

ORDER ANGUILLIFORMES

FAMILY ANGUILLIDAE

Anguilla anguilla (Linnaeus, 1758)
European eel
Zutis
Угорь
Status: native
Environment: freshwater, brackish, marine

- Protista
  - *Ichthyophthirius multifiliis* (tanks)
  - *Trypanosoma granulosum* (Lakes Raznas, Usmas; Gulf of Riga)
- Myxosporea
  - *Myxidium giardi* (Lakes Liepājas, Rāznas, Usmas; Kegums Water Reservoir; Gulf of Riga)
- Digenea
  - *Diplostomulum* sp. metacercaria (Lake Usmas)
  - *Diplostomum spathaceum* metacercaria (Lake Rāznas, Kegums Water Reservoir, Gulf of Riga)
  - *Sphaerostoma bramae* (Lakes Liepājas, Usmas, Gulf of Riga)
- Monogenoidea
  - *Diplozoon paradoxum* (Lake Liepājas)
  - *Pseudodactylogyrus anguillae* (Lake Usmas, Venta River, Gulf of Riga)
  - *P. bini* (Lake Usmas, Venta River, Gulf of Riga)
  - ?*Tetraonchus* sp. (Lake Liepājas)
- Cestoda
  - *Bothriocephalus claviceps* (Lakes Rāznas, Rušons, Usmas; Kegums Water Reservoir, Venta River; Gulf of Riga)
  - *Proteocephalus macrocephalus* (Lakes Liepājas, Usmas; Gulf of Riga)
  - *Triaenophorus nodulosus* plerocercoid (Lake Liepājas)
- Nematoda
  - *Anguillicola crassus* (Lakes Puzes, Raznas, Usmas; Venta River; Gulf of Riga)
  - *Camallanus lacustris*

(Lakes Rāznas, Usmas; Venta River; Gulf of Riga)
Eustrongyloides sp. larva (Kegums Water Reservoir)
Hysterothylacium aduncum (Gulf of Riga)
Raphidascaris acus (Lakes Liepājas, Usmas; Gulf of Riga)
Acanthocephala
Acanthocephalus anguillae (Lakes Liepājas, Rāznas, Usmas; Kegums Water Reservoir; Gulf of Riga)
A. clavula (Lakes Liepājas, Rāznas)
A. lucii (Lakes Liepājas, Rāznas, Rušons, Usmas; Venta River, Gulf of Riga)
Corynosoma strumosum juvenile (Gulf of Riga)
Echinorhynchus salmonis (Gulf of Riga)
Neoechinorhynchus rutili (Lake Usmas, Gulf of Riga)
Pomphorhynchus laevis (Lake Usmas)
Crustacea
Argulus foliaceus (Lakes Liepājas, Rāznas)
Ergasilus gibbus (Lakes Liepājas, Rušons; Kegums Water Reservoir; Gulf of Riga)
E. sieboldi (Lake Usmas)
Mollusca
Anodonta cygnea glochidium (Lake Usmas)

Remarks: This catadromous species has been stocked in at least 81 lakes from 1927 to 1989, larvae and young fish being imported from other European countries (Plikšs and Aleksejevs 1998).

ORDER CLUPEIFORMES

FAMILY CLUPEIDAE

Alosa fallax fallax (Lacepède, 1803) — Twaite shad; Palede; Финта
Status: native
Environment: freshwater, brackish, marine

Digenea
Diplostomum spathaceum metacercaria (Gulf of Riga)
Cestoda
Eubothrium fragile (Gulf of Riga)
Nematoda
Hysterothylacium aduncum (Gulf of Riga)
Acanthocephala
Echinorhynchus gadi (Gulf of Riga)

Remarks: The twait shad is an anadromous species, occurring as a variety in some lakes. It is distributed along the European coast from Scandinavia to North Africa; also in the Mediterranean. Rare in the Baltic and Latvia, this species is included in the Red Data Book of Latvia under category "3" (rare) (Plikšs and Aleksejevs 1998).

Clupea harengus membras Linnaeus, 1761 — Baltic herring; Reņģe; Салака
Status: native
Environment: marine

Protista
Eimeria sardinae (Gulf of Riga, Baltic Sea)
Digenea
Brachyphallus crenatus (Gulf of Riga)
Diplostomulum sp.metacercaria (Gulf of Riga)
Diplostomum spathaceum metacercaria (Daugava River, Gulf of Riga)
Cestoda
Eubothrium sp. (Gulf of Riga)
Nematoda
Anisakis simplex larva (Baltic Sea)
Ascarophis sp. (Gulf of Riga)
Cystidicola farionis (Gulf of Riga)
Hysterothylacium aduncum (Gulf of Riga)
Acanthocephala
Corynosoma semerme juvenile (Gulf of Riga)
C. strumosum juvenile (Gulf of Riga)
Echinorhynchus gadi (Gulf of Riga, Baltic Sea)
E. salmonis (Gulf of Riga)
Pomphorhynchus laevis (Gulf of Riga)
Crustacea
Argulus coregoni (Gulf of Riga)

Remarks: The Baltic herring is a subspecies of the Atlantic herring that is abundant throughout the Baltic Sea. Two ecological races are recognized, the spring spawning and the autumn spawning herring, which are divided into several open sea and gulf

populations (Plikšs and Aleksejevs 1998).

Sprattus sprattus balticus (Schneider, 1908) — Baltic sprat; Brētliņa; Килька
Status: native
Environment: marine
Cestoda
Bothriocephalus scorpii (Gulf of Riga)
Remarks: One of the three subspecies of the sprat, this fish is abundant in the Baltic Sea except in brackish bays (Plikšs and Aleksejevs 1998).

ORDER CYPRINIFORMES

FAMILY COBITIDAE

Cobitis taenia Linnaeus, 1758 — Spined loach; Akmeņgrauzis; Щиповка
Status: native
Environment: freshwater
Protista
Trichodina sp. (Ličupe River)
Digenea
Tylodelphys clavata metaceraria (Licupe River)
Cestoda
Proteocephalus longicollis (Licupe River)
Nematoda
Shulmanella petrushewski (Kegums Water Reservoir)
Acanthocephala
Echinorhynchus truttae (Licupe River)

Misgurnus fossilis (Linnaeus, 1758) — Weatherfish; Pīkste; Вьюн
Status: native
Environment: fresh water
Monogenoidea
Ancyrocephalus cruciatus (Lake Višķu)

FAMILY CYPRINIDAE

Abramis brama (Linnaeus, 1758) — Carp bream; Plaudis (Breksis); Лещ
Status: native
Environment: freshwater
Protista
Ichthyophthirius multifiliis (Lakes Burtnieku, Sīvers)
?*Trichodina domerguei* (Lake Sīvers, Kegums Water Reservoir)
T. nigra (Daugava River)
T. reticulata (Lake Sīvers)
Myxosporea
Myxobolus bramae (Lakes Burtnieku, Cirma, Durbes, Juglas, Kāla, Rušons, Sīvers, Usmas; Kegums Water Reservoir; Daugava River; Gulf of Riga)
M. ellipsoides (Lakes Burtnieku, Usmas)
M. exiguus (Lake Rušons, Kegums Water Reservoir, Daugava River)
M. gigas (Lakes Juglas, Raznas, Sildu)
M. macrocapsularis (Lakes Burtnieku, Cirma, Kāla, Rušons)
M. muelleri (Lakes Juglas, Sīvers; Daugava, Salaca Rivers)
M. musculi (Lake Juglas)
M. oviformis (Kegums Water Reservoir)
Thelohanellus oculileucisci (Daugava River)
Zschokkella nova (Kegums Water Reservoir)
Digenea
Allocreadium isoporum (Lake Dārza)
Asymphylodora imitans (Lake Sīvers, Daugava River)
Bucephalus polymorphus metacercaria (Lakes Burtnieku, Juglas, Sīvers, Usmas; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Diplostomulum sp. metacercaria (Lakes Dārza, Usmas, Žuguru; Daugava River)
Diplostomum spathaceum metacercaria (Lakes Burtnieku, Cirma, Durbes, Juglas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava, Salaca Rivers; Gulf of Riga)
Hysteromorpha triloba metacercaria (Lakes Burtnieku, Cirma, Sīvers, Usmas)
Ichthyocotylurus platycephalus Metacercaria (Lakes Burtnieku, Cirma, Rušons;

Daugava River)
I. variegatus metacercaria (Daugava River)
Ornithodiplostomum scardinii metacercaria (Lake Dārza)
Paracoenogonimus ovatus metacercaria (Lakes Juglas, Lielauces, Rušons; Daugava River)
Phyllodistomum elongatum (Lake Rušons)
P. folium (Lakes Juglas, Rušons, Žuguru)
Posthodiplostomum cuticola metacercaria (Lakes Dārza, Dukānu, Juglas, Skolas, Žuguru; Daugava River)
Rhipidicotyle campanula (Lake Usmas, Daugava River)
Sphaerostoma bramae (Lakes Burtnieku, Juglas, Kāla, Sīvers, Usmas, Žuguru)
Tylodelphys clavata metacercaria (Lakes Burtnieku, Cirma, Dārza, Durbes, Juglas, Kāla, Rāznas, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava, Salaca Rivers; Gulf of Riga)

Monogenoidea
Dactylogyrus auriculatus (Lakes Duņu, Slokas, Usmas, Viragnas; Daugava, Lielupe, Salaca Rivers)
D. cornu (Lake Usmas)
D. distinguendus (Lake Slokas; Daugava, Gauja Rivers)
D. falcatus (Lakes Rušons, Usmas, Viragnas; Kegums Water Reservoir; Daugava, Lielupe, Salaca Rivers)
D. sphyrna (Lakes Durbes, Juglas, Sīvers, Slokas)
D. wunderi (Lakes Burtnieku, Cirma, Rušons, Slokas, Usmas; Kegums Water Reservoir; Daugava, Salaca Rivers)
D. yinwenyingae (Lake Viragnas, Salaca River)
D. zandti (Lakes Duņu, Usmas; Buļļupe, Daugava Rivers; Gulf of Riga)
Dactylogyrus sp. (Lake Duņu)
Diplozoon paradoxum (Lakes Burtnieku, Durbes, Juglas, Slokas, Usmas; Kegums Water Reservoir; Daugava Salaca Rivers)
Paradiplozoon blicae (Daugava River)
P. hamoion hamoion (Daugava River)

Cestoda
Caryophyllaeus fimbriceps (Daugava River)
C. laticeps (Lakes Cirma, Dārza, Juglas, Kāla, Rušons, Sīvers, Usmas, Žuguru; Kegums Water Reservoir; Daugava, Salaca Rivers)
Ligula intestinalis plerocercoid (Lakes Burtnieku, Durbes)
Paradilepis scolecina metacestode (-)

Nematoda
Contracaecum microcephalum (Lakes Asteres, Slokas)
Nematoda gen. sp. (Daugava River)
Philometra ovata (Daugava River)
Pseudocapillaria tomentosa (Daugava River)
Raphidascaris acus (Lakes Cirma, Kāla, Juglas, Sīvers, Slokas, Usmas; Daugava, Salaca Rivers)
Rhabdochona denudata (Lakes Burtnieku, Sīvers; Daugava River)

Acanthocephala
Acanthocephalus anguillae (Lake Burtnieku, Daugava River)
A. lucii (Lakes Burtnieku, Cirma, Juglas, Usmas, Žuguru; Daugava Salaca Rivers)
Echinorhynchus gadi (Gulf of Riga)
Neoechinorhynchus rutili (Lakes Juglas, Žuguru)
Pomphorhynchus laevis (Daugava River)

Hirudinida
Piscicola geometra (Lakes Burtnieku, Cirma, Kāla, Rušons, Sīvers, Usmas)

Mollusca
Anodonta cygnea glochidium (Daugava River)
Unionidae gen. sp. glochidium (Lakes Burtnieku, Durbes, Sīvers)

Crustacea
Argulus foliaceus (Lakes Burtnieku, Cirma, Durbes, Kāla, Sīvers, Usmas)
Ergasilus briani (Lake Rušons, Daugava River)
E sieboldi

(Lakes Burtnieku, Cirma, Dārza, Durbes, Kāla, Rušons, Sīvers, Skolas, Usmas, Žuguru; Daugava, Salaca Rivers)
Tracheliastes maculatus
(Kegums Water Reservoir)

Remarks: This species is found in many Latvian rivers and lakes, and along the seacoast near river mouths (Plikšs and Aleksejevs 1998).

Alburnoides bipunctatus (Bloch, 1782) — Rifle minnow — Pavīķe — Быстрянка

Status: native

Environment: freshwater

Protista
Apiosoma sp. (Ogre River)
Ichthyophthirius multifiliis (Ogre River)
Trichodina nigra (Ogre River)
Trichodinella epizootica (Ogre River)

Digenea
Diplostomum spathaceum metacercaria (Kegums Water Reservoir)
Plagiophorus angusticolle (Ogre River)
Rhipidocotyle campanula (Ogre River)

Nematoda
Raphidascaris acus (Ogre River)
Rhabdochona denudata (Ogre River)

Alburnus alburnus (Linnaeus, 1758) — Bleak — Vīķe — Уклейка

Status: native

Environment: freshwater

Protista
?*Trichodina domerguei* (Lake Rāznas)
T. nigra (Lake Slokas)
T. reticulata (Lake Alūksnes)
Trichodina sp. (Salaca River, Gulf of Riga)

Myxosporea
Myxobolus bramae (Lakes Alūksnes, Burtnieku, Rāznas; Kegums Water Reservoir)
M. carassii (Kegums Water Reservoir)
M. ellipsoides (Lake Burtnieku, Kegums Water Reservoir)
M. oviformis (Lakes Alūksnes, Rušons; Kegums Water Reservoir)
Zschokkella nova (Lakes Rāznas, Rušons; Kegums Water Reservoir)

Digenea
Allocreadium isoporum (Lakes Alūksnes, Rāznas; Kegums Water Reservoir; Daugava River)
Bucephalus polymorphus (Lake Rāznas; Kegums Water Reservoir; Daugava, Salaca Rivers)
Diplostomulum sp. metacercaria (Salaca River)
Diplostomum spathaceum metacercaria (Lakes Burtnieku, Rušons; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Ichthyocotylurus platycephalus metacercaria (Lake Burtnieku)
Paracoenogonimus ovatus metacercaria (Lake Rušons, Daugava River)
Phyllodistomum folium (Lake Rāznas)
Postodiplostomum cuticola metacercaria (Lake Rušons)
Rhipidocotyle campanula (Lake Slokas)
Sphaerostoma bramae (Lakes Burtnieku, Rāznas; Ogre River)
Tylodelphys clavata metacercaria (Lakes Alūksnes, Burtnieku)

Monogenoidea
Dactylogyrus alatus f. *typica* (Lakes Rušons, Slokas; Salaca River)
D. fallax (Salaca River)
D. fraternus (Lakes Alūksnes, Burtnieku, Dzirnezers, Rāznas, Rušons; Kegums Water Reservoir; Daugava, Ogre Rivers; Gulf of Riga)
D. micracanthus (Lake Slokas)
D. minor (Lakes Rāznas, Rušons, Slokas; Kegums Water Reservoir; Daugava, Lielupe, Ogre Rivers; Gulf of Riga)
D. parvus (Lakes Dzirnezers, Rāznas, Rušons, Slokas; Kegums Water Reservoir; Daugava, Lielupe, Ogre Rivers; Gulf of Riga)
D. similis (Lake Burtnieku)
Diplozoon paradoxum (Lake Rāznas, Salaca River)
?*Gyrodactylus elegans* (ponds)
Paradiplozoon alburni (Salaca River)

Cestoda
Proteocephalus torulosus
(Lakes Alūksnes, Burtnieku, Rāznas, Rušons; Salaca River)
Nematoda
Nematoda gen. sp.
(Kegums Water Reservoir, Daugava River)
Raphidascaris acus
(Lake Rāznas; Daugava, Ogre Rivers)
Rhabdochona denudata
(Kegums Water Reservoir, Daugava River)
Acanthocephala
Acanthocephalus anguillae
(Daugava River)
Neoechinorhynchus rutili
(Lake Rāznas)
Hirudinida
Piscicola geometra
(Lakes Alūksnes, Rāznas)
Mollusca
Anodonta cygnea glochidium
(Lake Slokas)
Unionidae gen. sp. glochidium
(Lakes Alūksnes, Rāznas)
Crustacea
Argulus foliaceus (Salaca River)
Ergasilus sieboldi (Lake Alūksnes)

Remarks: This species occurs in many Latvian rivers, lakes and coastal waters near river mouths. It is not found in small, closed, overgrown lakes (Plikšs and Aleksejevs 1998).

Aspius aspius (Linnaeus, 1758)
Syn.: *Aspius rapax* Agassiz, 1835
Asp
Salate
Жерех

Status: native
Environment: freshwater
Protista
Amphileptus sp.
(Kegums Water Reservoir)
Myxosporea
Myxobolus cycloides
(Kegums Water Reservoir)
M. dispar
(Kegums Water Reservoir)
M. exiguus
(Kegums Water Reservoir)
M. muelleri
(Kegums Water Reservoir)
M. nemetzeki
(Kegums Water Reservoir)
M. oviformis
(Kegums Water Reservoir)
Digenea
Diplostomum spathaceum metacercaria
(Kegums Water Reservoir)
Paracoenogonimus ovatus metacercaria
(Kegums Water Reservoir)
Phyllodistomum elongatum
(Kegums Water Reservoir)
Tylodelphys clavata metacercaria
(Kegums Water Reservoir)
Monogenoidea
Dactylogyrus tuba
(Kegums Water Reservoir)
Diplozoon paradoxum
(Kegums Water Reservoir)
Cestoda
Khawia dubius
(Kegums Water Reservoir)
Acanthocephala
Acanthocephalus anguillae
(Kegums Water Reservoir)
Crustacea
Ergasilus sieboldi
(Kegums Water Reservoir)

Blicca bjorkna (Linneaus, 1758)
White bream
Plicis
Густера

Status: native
Environment: freshwater
Protista
Amphileptus sp.
(Kegums Water Reservoir)
Ichthyobodo necator
(Daugava River)
Ichthyophthirius multifiliis
(Lake Burtnieku)
Trichodina reticulata
(Lake Rāznas, Kegums Water Reservoir, Daugava River)
Myxosporea
Chloromyxum fluviatile
(Lake Rāznas)
Myxidium rhodei (Lake Slokas)
Myxobolus bramae
(Lakes Burtnieku, Juglas, Rāznas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
M. ellipsoides
(Lakes Burtnieku, Usmas; Daugava River)
M. exiguus
(Kegums Water Reservoir)
M. macrocapsularis
(Lake Cirma, Kegums Water Reservoir)
M. muelleri

(Lakes Slokas, Usmas; Daugava River)
M. oviformis
(Kegums Water Reservoir)
Zschokkella nova
(Kegums Water Reservoir)
Digenea
Allocreadium isoporum
(Lakes Juglas, Liepjas, Sīvers, Slokas; Daugava River)
Asymphylodora imitans
(Lakes Burtnieku, Usmas; Daugava River)
Bucephalus polymorphus metacercaria
(Lakes Burtnieku, Usmas; Kegums Water Reservoir; Daugava River)
Diplostomulum sp. metacercaria
(Lakes Juglas, Slokas)
Diplostomum spathaceum metacercaria
(Lakes Alūksnes, Burtnieku, Cirma, Liepājas, Rāznas, Rušons, Sīvers, Usmas; Kegums Water Reservoir; Daugava River)
Hysteromorpha triloba metacercaria
(Lakes Cirma, Liepājas, Sīvers)
Ichthyocotylurus platycephalus metacercaria
(Lakes Cirma, Julgas, Rāznas, Rušons, Usmas; Daugava River)
I. variegatus metacercaria
(Daugava River)
Palaeorchis unicus
(Daugava River)
Paracoenogonimus ovatus metacercaria
(Lakes Juglas, Rāznas, Rušons, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
Phyllodistomum elongatum
(Kegums Water Reservoir)
Posthodiplostomum cuticola
(Lakes Rāznas, Slokas; Daugava River)
Rhipidocotyle campanula
(Lake Skolas, Daugava River)
Sphaerostomum bramae
(Lakes Juglas, Rāznas, Sīvers)
Tylodelphys clavata metacercaria
(Lakes Alūksnes, Burtnieku, Cirma, Juglas, Liepājas, Rāznas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
Monogenoidea
Dactylogyrus cornu
(Lakes Dzirnezers,Rāznas, Rušons, Usmas; Kegums Water Reservoir; Daugava, Lielupe Rivers)
D. difformis
(Lakes Burtnieku, Sīvers)
D. distinguendus
(Lakes Dzirnezers, Pelēča)
D. fallax
(Lakes Burtnieku Slokas, Usmas,)
D. similis (Lake Cirma)
D. sphyrna
(Lakes Alūksnes, Juglas, Rāznas, Rušons, Sīvers, Slokas; Kegums Water Reservoir; Daugava River)
D. wunderi
(Lakes Burtnieku, Liepājas)
Diplozoon paradoxum
(Lakes Burtnieku, Juglas, Liepājas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
Paradiplozoon blicae
(Daugava River)
P. hamoion hamoion
(Daugava River)
Cestoda
Caryophyllaeides fenica
(Lake Rušons, Daugava River)
Caryophyllaeus laticeps
(Lakes Slokas, Usmas)
Ligula intestinalis plerocercoid
(Lakes Burtnieku, Cirma, Juglas, Slokas, Usmas)
Nematoda
Agamonema sp. (Lake Cirma)
Raphidascaris acus
(Lakes Burtnieku, Cirma, Juglas, Rāznas, Sīvers, Slokas, Usmas; Daugava River)
Acanthocephala
Acanthocephalus anguillae
(Lakes Juglas, Rāznas, Sīvers, Usmas)
A. lucii
(Lake Rāznas, Daugava River)
Neoechinorhynchus rutili
(Lake Rāznas)
Hirudinida
Piscicola geometra
(Lakes Burtnieku, Slokas, Usmas)
Mollusca
Anodonta cygnea glochidium
(Lake Usmas)
Unionidae gen. sp. glochidium
(Lakes Burtnieku, Cirma; Kegums Water Reservoir)
Crustacea
Argulus foliaceus (Lake Cirma)
Ergasilus sieboldi
(Lakes Burtnieku, Cirma, Rušons, Sīvers, Usmas; Daugava River)

Carassius auratus auratus Goldfish
(Linnaeus, 1758) Sudrabkarūsa
Status: introduced Серебряный карась
Environment: fresh water
Protista
Chilodonella piscicola (ponds)
Ichthyophthirius multifiliis (ponds)
?*Trichodina domerguei* (ponds)
T. nigra (ponds)
T. pediculus (ponds)
T. reticulata (ponds)
Monogenoidea
Dactylogyrus anchoratus (ponds)
D. inexpectatus
(Lakes Duņas, Sildu)
*Gyrodactylus kathariner*i (ponds)
G. longoacuminatus (Salaca River)
G. medius (ponds)
Digenea
Ichthyocotylurus plathycephalus
metacercaria (ponds)
Hirudinida
Piscicola geometra (ponds)
Crustacea
Argulus foliaceus (ponds)
Remarks: Goldfish were imported to Latvia in 1948 and have been released into at least 181 lakes and many other waterbodies. Flooding of fish farms has distributed this species to connected rivers. Populations are established in several lakes and other waterbodies (Plikšs and Aleksejevs 1998).

Carassius carassius Crucian carp
(Linnaeus, 1758) Karūsa
Status: native Золотой карась
Environment: freshwater
Protista
Apiosoma sp. (ponds)
Chilodonella piscicola (ponds)
Eimeria sp. (ponds)
Ichthyobodo necator (Lake Rāznas)
Ichthyophthirius multifiliis (ponds)
?*Trichodina domerguei* (Lake Sīvers)
T. reticulata
(Lakes Rāznas, Slokas; Daugava River)
Trichodinella epizootica (Daugava River)
Myxosporea
Chloromyxum fluviatile (Rāznas)
Myxidium pfeifferi
(Lake Lielauces)
Myxobolus bramae
(Daugava River)
M. carrasii
(Lakes Lielauces, Liepājas, Rāznas; Daugava River)
M. dispar
(Lakes Lielauces, Liepājas; Daugava River)
M. ellipsoides
(Lake Rāznas, Daugava River)
M. muelleri (Lake Sildu)
M. thelohanellus (Lake Rāznas)
Zschokkella nova
(Lakes Lielauces, Rāznas, Slokas)
Digenea
Allocreadium isoporum
(Lakes Lielauces, Liepājas, Rāznas, Usmas; Daugava River)
A. transversale (Lake Liepājas)
Bucephalus polymorphus
(Lake Rāznas, Daugava River)
Diplostomulum sp.metacercaria
(Lake Slokas)
Diplostomum spathaceum
metacercaria
(Lake Juglas, Rāznas, Sīvers, Usmas; Daugava, Salaca Rivers)
Ichthyocotylurus platycephalus
metacercaria
(Lake Liepājas, Daugava River)
Paracoenogonimus ovatus
metacercaria
(Lakes Juglas, Rāznas, Slokas)
Phyllodistomum folium
(Lake Rāznas)
Posthodiplostomum cuticola
metacercaria (Lake Cirma)
Tylodelphys clavata metacercaria
(Lake Liepājas)
Monogenoidea
Dactylogyrus anchoratus
(Lakes Lielauces, Liepājas, Rāznas, Sīvers, Usmas; Daugava River)
D. baueri
(Lakes Juglas, Slokas, Sunīšu Vīragnas)
D. crassus
(Lake Rāznas, Daugava River)
D. dulkeiti
(Lakes Laidzes, Slokas, Sunīšu)
D. formosus
(Lakes Rāznas, Sunīšu, Vīragnas, Višķu; Daugava River)
D. inexpectatus
(Lakes Duņas, Sildu; Salaca River)
D. intermedius
(Lakes Duņas, Rāznas, Slokas,Vīragnas, Višķu; Daugava River)
D. vastator
(Lakes Cirma, Lielauces, Rāznas, Sīvers, Slokas; Daugava River)
D. wegeneri

(Lakes Lielauces, Liepājas, Rāznas, Sildu; Daugava River)
Diplozoon paradoxum (Lake Sīvers)
Eudiplozoon nipponicum (Lake Sīldu)
*Gyrodactylus kathariner*i (ponds)
G. medius (ponds)
Cestoda
Caryophyllaeus laticeps (Daugava River)
Khawia rossitensis (Lake Juglas, Daugava River)
Neogryporhynchus cheilancristrotus metacestode (Salaca River)
Paradilepis scolecina metacestode (-)
Valipora campilancristrota metacestode (Lakes Slokas,Usmas)
Nematoda
Nematoda gen. sp.(Lake Liepājas)
Philometroides sanguinea (Lakes Černavu, Juglas, Sildu, Slokas, Žuguru)
Raphidascaris acus (Lakes Liepājas, Rāznas, Slokas; Daugava River)
Acanthocephala
Acanthocephalus anguillae (Lakes Liepājas, Rāznas, Sīvers; Daugava River)
A. lucii (Daugava River)
Neoechinorhynchus rutili (Lake Juglas)
Pomphorhynchus laevis (Daugava River)
Hirudinida
Hemiclepsis marginata (Lake Rāznas)
Piscicola geometra (Lakes Lielauce, Rāznas)
Crustacea
Argulus foliaceus (Lakes Liepājas, Rāznas)
Ergasilus briani (Daugava River)
E. sieboldi (Lakes Cirma, Lielauce, Sīvers, Slokas, Usmas; Daugava River)
Lernaea cyprinacea (Lakes Lielauces, Rāznas; Daugava River)

Remarks: Crucian carp is one of the most common Latvian fishes, occurring in many rivers, lakes and ponds and in coastal waters near river mouths. From 1958 to 1996 it was restocked in at least 152 lakes (Plikšs and Aleksejevs 1998).

Ctenopharyngodon idella (Valenciennes, 1844) — Grass carp — Baltais amūrs — Белый амур

Status: exotic
Environment: freshwater
Protista
Chilodonella piscicola (ponds)
Ichthyophthirius multifiliis (ponds)
Trichodina sp. (ponds)
Myxosporea
Chloromyxum cristatum (ponds)
Digenea
Diplostomum spathaceum metacercaria (ponds)

Remarks: This Asian species was imported to Latvia about 1960 and stocked in some lakes and ponds. No naturally breeding populations have been recorded (Plikšs and Aleksejevs 1998).

Cyprinus carpio carpio Linnaeus, 1758 — Common carp — Karpa — Карп

Status: exotic
Environment: freshwater
Protista
Apiosoma piscicolum (ponds)
Apiosoma sp. (ponds)
Chilodonella piscicola (ponds)
Chloromyxum cristatum (ponds)
Eimeria sp. (ponds)
Epistylis lwoffi (ponds)
Goussia carpelli (ponds)
G. subepithelialis (ponds)
Ichthyophthirius multifiliis (ponds)
Trichodina acuta (ponds)
?*T. domerguei* (ponds)
T. mutabilis (ponds)
T. nigra (ponds)
T. pediculus (ponds)
T. reticulata (ponds)
Trichodinella epizootica (ponds)
T. subtilis (ponds)
Trypanosoma carassii (ponds)
Myxosporea
Chloromyxum cristatum (ponds)
C. koi (ponds)
Hoferellus cyprini (ponds)
Myxidium pfeiferi (ponds)
Myxobolus cyprini (ponds)
M. dispar (Lake Sivers)
M. ellipsoides (ponds)
Digenea
Bucephalus polymorphus (ponds)
Diplostomum spathaceum metacercaria (ponds)
Ichthyocotylurus plathycephalus metacercaria (ponds)
Posthodiplostomum cuticola metacercaria (ponds)
Sanguinicola inermis (ponds)

Tetracotyle sp. metacercaria (ponds)
Tylodelphys clavata metacercaria (ponds)
Monogenoidea
Dactylogyrus achmerowi (ponds)
D. anchoratus (ponds)
D. extensus (Lake Sildu)
D. minutus (ponds)
D. vastator (ponds)
Diplozoon paradoxum (ponds)
Diplozoon sp. (ponds)
Eudiplozoon nipponicum (Lake Sildu)
Gyrodactylus katarineri (ponds)
G. medius (ponds)
Cestoda
Archigetes brachyurus (ponds)
Bothriocephalus acheilognathi (ponds)
Caryophyllaeus fimbriceps (ponds)
C. laticeps (ponds)
Khawia sinensis (ponds)
Ligula intestinalis plerocercoid (ponds)
Neogryporhynchus cheilancristrotus metacestode (ponds)
Paradilepis scolecina metacestode (Ogre River)
Valipora campylancristrota metacestode (ponds)
Nematoda
Contracaecum micropapillatum (ponds)
Nematoda gen. sp. (ponds)
Philometroides cyprini (Lake Sildu)
Shulmanella petruschewskii (ponds)
Acanthocephala
Acanthocephalus anguillae (ponds)
A. lucii (ponds)
Hirudinida
Piscicola geometra (ponds)
Mollusca
Unio tumidus glochidium (ponds)
Crustacea
Argulus foliaceus (ponds)

Remarks: Common carp have been farmed in the territory of Latvia in fish ponds since the 13th Century. From 1949 to 1996, carp were restocked at least 196 lakes and other waterbodies (Plikšs and Aleksejevs 1998).

Cyprinus carpio haematopterus Amur carp
Martins, 1876 Amūras sazans
Status: exotic Амурский сазан
Environment: freshwater
Protista
Apiosoma sp. (ponds)
Chilodonella piscicola (ponds)
Goussia carpelli (ponds)
Ichthyophthirius multifiliis (ponds)
?*Trichodina domerguei* (ponds)
Digenea
Diplostomum spathaceum metacercaria (ponds)
Ichthyocotylurus plathycephalus metacercaria (ponds)
Posthodiplostomum cuticola metacercaria (ponds)
Tetracotyle sp. metacercaria (ponds)
Monogenoidea
Dactylogyrus achmerowi (ponds)
D. anchoratus (ponds)
D. extensus (Lake Sildu)
D. vastator (ponds)
Diplozoon paradoxum (ponds)
Gyrodactylus medius (ponds)
Cestoda
Caryophyllaeus fimbriceps (ponds)
Hirudinida
Piscicola geometra (ponds)

Leucaspis delineatus Belica
(Heckel, 1843) Ausleja
Status: native Верховка
Environment: freshwater
Protista
Apiosoma sp. (ponds)
Chilodonella piscicola (ponds)
Eimeria sp. (ponds)
Ichthyophthirius multifiliis (ponds)
Trichodina reticulata (ponds)
Myxosporea
Myxobolus bramae (Lake Burtnieku)
M. ellipsoides (Lake Burtnieku)
Digenea
Bucephalus polymorphus (Lake Burtnieku)
Diplostomum spathaceum metacercaria (Lake Burtnieku)
Ichthyocotylurus platycephalus metacercaria (ponds)
Sphaerostomum bramae (Lake Burtnieku)
Tylodelphys clavata metacercaria (Lake Burtnieku)
Monogenoidea
Dactylogyrus fraternus (Lake Burtnieku)
Diplozoon paradoxum (ponds)
D. similis (Lake Burtnieku)
?*Gyrodactylus elegans* (ponds)
G. medius (ponds)
Gyrodactylus sp. (ponds)

Cestoda
Ligula intestinalis plerocercoid (Lake Burtnieku)
Proteocephalus torulosus (Lake Burtnieku)
Nematoda
Rhabdochona denudata (Lake Burtnieku)
Hirudinida
Piscicola geometra (ponds)
Crustacea
Argulus foliaceus (ponds)

Remarks: This species occurs in many Latvian rivers and lakes, even in small, shallow, closed and overgrown lakes. It sometimes propagates spontaneously in fish ponds and is distributed along with cyprinids moved for stocking (Plikšs and Aleksejevs 1998).

Leuciscus cephalus (Linnaeus, 1758) European chub
Status: native Sapals
Environment: freshwater Голавль

Protista
Apiosoma campanulatum (Ogre River)
A. matthesi (Ogre River)
A. nasale (Ogre River)
A. poteriforme (Ogre River)
Trichodina nigra (Ogre River)
Myxosporea
Myxobolus bramae (Lake Burtnieku)
M. dispar (Daugava River)
M. minutus (Daugava, Lielupe, Ogre Rivers)
M. muelleri (Daugava, Ogre, Salaca Rivers)
Digenea
Allocreadium isoporum (Daugava River)
Bucephalus polymorphus (Daugava River)
Diplostomum spathaceum metacercaria (Lake Burtnieku, Daugava, Ogre Rivers)
Ichthyocotylurus platycephalus metacercaria (Daugava River)
Paracoenogonimus ovatus metacercaria (Daugava, Lielupe Rivers)
Posthodiplostomum cuticola metacercaria (Lielupe River)
Sphaerostomum bramae (Ogre River)
Tylodelphys clavata metacercaria (Lake Burtnieku)
Monogenoidea
Dactylogyrus cordus (Lake Burtnieku)
D. fallax (Salaca River)
D. folkmanovae (Ogre River)
D. nanoides (Ogre River)
D. vistulae (Ogre, Salaca Rivers)
D. yinwenyingae (Salaca River)
Cestoda
Ligula intestinalis plerocercoid (Lake Burtnieku, Daugava River)
Nematoda
Rhabdochona denudata (Daugava River)
Pseudocapillaria tomentosa (Daugava River)
Raphidascaris acus (Daugava, Ogre Rivers)
Mollusca
Anodonta cygnea glochidium (Ogre River)
Crustacea
Lamproglena pulchella (Daugava, Salaca Rivers)
Hirudinida
Piscicola geometra (Lielupe River)

Leuciscus idus (Linnaeus, 1758) Ide
Syn.: *Idus idus* (Linnaeus, 1758) Ālants
Status: native Язь
Environment: freshwater

Protista
Amphileptus sp. (Daugava River)
Myxosporea
Myxobolus exiguus (Daugava River)
M. muelleri (Daugava River)
M. nemetzeki (Daugava River)
Monogenoidea
Dactylogyrusfallax (Daugava River)
D. ramulosus (Salaca River)
D. similis (Lake Burtnieku, Daugava River)
D. tuba (Daugava, Rušons, Salaca Rivers)
D. yinwenyingae (Salaca River)
Dactylogyrus sp. (Lake Usmas)
Gyrodactylus prostae (Salaca River)
Paradiplozoon alburni (Daugava River)
Digenea
Allocreadium isoporum (Daugava River)
Diplostomum spathaceum metacercaria (Lake Rušons; Daugava, Salaca Rivers)
Ichthyocotylurus platycephalus metacercaria (Daugava River)
Paracoenogonimus ovatus

metacercaria (Daugava River)
Plagioporus angusticolle (Daugava River)
Posthodiplostomum cuticola metacercaria (Daugava River)
Sphaerostomum bramae (Daugava River)
Tylodelphys clavata metacercaria (Lake Usmas)
Cestoda
Caryophyllaeides fenica (Lake Rušons)
Nematoda
Cucullanus heterochrous (Daugava River)
Pseudocapillaria tomentosa (Daugava River)
Raphidascaris acus (Daugava, Salaca Rivers)
Acanthocephala
Acanthocephalus anguillae (Lake Burtnieku, Daugava River)
Corynosoma semerme juvenile (Daugava River)
Pomphorhynchus laevis (Daugava River)
Crustacea
Ergasilus briani (Daugava River)
*E. sieboldi (*Daugava River)
Lamproglena pulchella (Lake Usmas)
Tracheliastes polycolpus (Daugava River)

Leuciscus leuciscus (Linnaeus, 1758)
Syn.: *Leuciscus vulgaris* Fleming, 1828
Common dace
Baltais sapals
Елец
Status: native
Environment: freshwater
Protista
Amphileptus sp. (Rītupe River)
Trichodina nigra (Ogre River)
Myxosporea
Myxidium rhodei (Ogre River)
Myxobolus dipar (Rītupe River)
M. minutus (Rītupe River)
M. muelleri (Ogre, Rītupe Rivers)
M. nemetzeki (Rītupe River)
Digenea
Allocreadium isoporum (Ogre River)
Bucephalus polymorphus (Rītupe River)
Diplostomum spathaceum metacercaria (Ogre, Rītupe Rivers)
Paracoenogonimus ovatus metacercaria (Rītupe River)
Phyllodistomum elongatum (Rītupe River)
Rhipidocotyle campanula (Ogre River)
Tylodelphys clavata metacercaria (Ogre River)
Monogenoidea
Dactylogyrus cordus (Ogre River)
D. tuba (Ogre River)
Paradiplozoon homoion homoion (Ogre River)
Cestoda
Proteocephalus torulosus (Ogre River)
Nematoda
Raphidascaris acus (Ogre River)
Mollusca
Anodonta cygnea glochidium (Ogre River)

Pelecus cultratus (Linnaeus, 1758)
Sabrefish
Kaze
Чехонь
Status: native
Environment: freshwater, brackish
Digenea
Bucephalus polymorphus (Daugava River)
Diplostomum spathaceum metacercaria (Daugava River)
Monogenoidea
Diplozoon paradoxum (Daugava River)
Acanthocephala
Acanthocephalus anguillae (Daugava River)
Remarks: The sabrefish is an anadromous or species. It is included in the Red Data Book of Latvia under category “3” (rare) (Plikšs and Aleksejevs 1998).

Phoxinus phoxinus (Linnaeus, 1758)
Syn.: *Leuciscus phoxinus* (Linnaeus, 1758)
Eurasian minnow
Mailīte
Гольян
Status: native
Environment: freshwater
Protista
?*Trichodina domerguei* (Lake Sildu)
Myxosporea
Myxobolus lomi (Lake Sildu)
Digenea
Bucephalus polymorphus (Lake Sildu)
Diplostomum spathaceum

metacercaria (Lake Sildu)
Rhipidocotyle campanula (Lake Sildu)
Monogenoidea
Paradiplozoon zeller (Lake Sildu)
Mollusca
Pseudanadonta kletti (Lake Sildu)

Rutilus rutilus Roach
(Linnaeus, 1758) Rauda
Status: native Плотва
Environment: freshwater
Protista
Ichthyophthirius multifiliis (Lakes Burtnieku, Cirma, Juglas, Lielauces, Slokas, Sīvers)
Pleistophora mirandellae (Lake Viragnas)
?*Trichodina domerguei* (Lake Rušons)
T. nigra (Lake Sildu)
T. reticulata (Lake Burtnieku)
Myxosporea
Chloromyxum fluviatile (Lake Liepājas)
Myxidium pfeifferi (Lakes Alūksnes, Burtnieku, Cirma, Durbes, Juglas, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sīvers; Kegums Water Reservoir)
M. rhodei (Lakes Sildu, Slokas, Usmas; Ogre River)
Myxobolus bramae (Lakes Alūksnes, Černavu, Cirma, Durbes, Juglas, Kāla, Lielauces, Liepājas, Rāznas, Riču, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
M. cycloides (Lakes Liepājas, Sīvers)
M. cyprini (Lakes Burtnieku, Juglas, Lielauces, Riču, Sīvers; Kegums Water Reservoir)
M. dispar (Lakes Rāznas, Rušons, Sīvers)
M. ellipsoides (Lakes Cirma, Durbes, Sīvers; Kegums Water Reservoir; Daugava River)
M. exiguus (Kegums Water Reservoir)
M. macrocapsularis (Lake Rāznas)
M. muelleri (Lakes Alūksnes, Burtnieku, Cirma, Durbes, Juglas, Sildu, Sīvers, Slokas, Usmas; Daugava, Ogre, Salaca Rivers)
M. rutili (Lake Slokas)
Myxobolus sp. (Lake Durbes)
Thelohanellus fuhrmanni (Lake Durbes)
T. oculileucisci (Lake Sīvers)
Zschokkella nova (Lake Rāznas)
Digenea
Allocreadium isoporum (Lakes Alūksnes, Durbes, Lielauces, Liepājas, Sīvers; Daugava River)
A. transversale (Lakes Černavu, Sīvers)
Asymphylodora imitans (Lake Sīvers, Daugava River)
Bucephalus polymorphus metacercaria (Lakes Burtnieku, Durbes, Rāznas, Sildu, Slokas; Kegums Water Reservoir; Daugava, Salaca Rivers)
Diplostomulum sp. metacercaria (Lakes Burtnieku, Černavu, Juglas, Riča, Sildu, Sivers, Slokas; Daugava, Ogre Rivers)
Diplostomum commutatum metacercaria (Lake Sildu)
D. spathaceum metacercaria (Lakes Alūksnes, Burtnieku, Cirma, Durbes, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Usmas; Kegums Water Reservoir; Daugava, Salaca Rivers)
Hysteromorpha triloba metacercaria (Lakes Burtnieku, Černavu, Lielauces, Liepājas, Riču, Sīvers)
Ichthyocotylurus platycephalus metacercaria (Lakes, Cirma, Durbes, Sivers; Kegums Water Reservoir; Daugava River)
I. pileatus metacercaria (Lake Sīvers)
I. variegatus metacercaria (Daugava River)
Ornithodiplostomum scardinii metacercaria (Daugava River)
Palaeorchis incognitus (Daugava River)
Paracoenogonimus ovatus metacercaria (Lakes Černavu, Juglas, Rāznas, Riču, Rušons, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
Phyllodistomum elongatum (Lakes Riču, Rušons, Sildu; Daugava River)
Posthodiplosomum brevicaudatum metacercaria

(Lake Riču, Daugava River)
P. cuticola metacercaria
(Lakes Cirma, Durbes, Juglas, Rušons, Riču, Slokas, Usmas; Daugava, Ogre, Salaca Rivers)
Rhipidocotyle campanula
(Lakes Juglas, Sildu, Slokas, Usmas; Daugava River)
Sphaerostomum bramae
(Lakes Liepājas, Sīvers)
Tylodelphys clavata metacercaria
(Lakes Alūksnes, Burtnieku, Černavu, Cirma, Durbes, Lielauces, Liepājas, Kāla, Rāznas, Riču, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava, Salaca Rivers)
Monogenoidea
Dactylogyrus caballeroi
(Lakes Sildu, Slokas, Usmas; Daugava River)
D. crassus (Lake Sildu)
D. crucifer
(Lakes Alūksnes, Burtnieku, Duņas, Durbes, Dzirnezers, Juglas, Lielauces, Rāznas, Rušons, Sildu, Sīvers, Slokas, Usmas, Vilgales, Viragnas; Kegums Water Reservoir; Daugava, Lielupe, Ogre, Salaca Rivers)
D. diformoides (Lake Kanieris)
D. fallax
(Lakes Sildu, Slokas, Usmas; Salaca River)
D. izjumovae (Lake Kaņieris)
D. micracanthus
(Lake Duņas, Daugava River)
D. nanus
(Lakes Dzirnezers, Juglas, Rāznas, Rušons, Sildu, Slokas, Usmas; Daugava River)
D. ramulosus (Lake Sīvers)
D. rutili
(Lakes Okras, Sildu, Slokas, Usmas)
D. similis
(Lakes Burtnieku,Cirma, Sīvers, Slokas, Usmas; Daugava, Ogre Rivers)
D. sphyrna
(Lakes Juglas, Lielauces, Sildu, Sīvers, Slokas, Usmas; Daugava, Lielupe, Ogre, Salaca Rivers)
D. suecicus (Lake Sildu)
D. yinwenyingae
(Buļļupe, Ogre, Salaca Rivers)
Diplozoon paradoxum
(Lakes Burtnieku, Durbes, Juglas, Liepājas, Rāznas, Sīvers, Usmas; Daugava Ogre, Salaca Rivers)
Gyrodactylus gasterostei
(Lake Garmuižas)
Gyrodactylus sp.
(Kegums Water Reservoir)
Paradiplozoon homoion homoion
(Lakes Sildu, Slokas, Usmas; Daugava, Lielupe Rivers)
Cestoda
Caryophyllaeus laticeps
(Lakes Sildu, Slokas, Usmas; Ogre River)
Ligula intestinalis plerocercoid
(Lakes Burtnieku, Juglas, Lielauces, Usmas; Salaca River)
Paradilepis scolecina metacestode
(-)
Proteocephalus torulosus
(Daugava River)
Nematoda
Desmidocercella sp. (Lake Sivers)
Nematoda gen. sp.
(Lakes Cirma, Lielauces, Sīvers; Kegums Water Reservoir; Daugava River)
Philometra abdominalis
(Lake Sildu, Lielupe River)
P. rischta (Lake Slokas)
Raphidascaris acus
(Lakes Alūksnes, Burtnieku, Cirma, Liepājas, Rāznas, Rušons, Sīvers, Slokas; Daugava River)
Rhabdochona denudata
(Lakes Burtnieku, Lielauces; Daugava River)
Acanthocephala
Acanthocephalus anguillae
(Lakes Burtnieku, Sīvers; Daugava River)
A. lucii
(Lakes Juglas, Sīvers, Slokas, Usmas; Daugava River)
Corynosoma semerme juvenile
(Daugava River)
Neoechinorhynchus rutili
(Lake Sīvers, Daugava River)
Hirudinida
Hemiclepsis marginata (Lake Razna)
Piscicola geometra
(Lakes Burtnieku, Sīvers, Slokas; Kegums Water Reservoir)
Mollusca
Anodonta cygnea glochidium
(Lake Usmas; Daugava, Ogre Rivers)
Pseudanadonta kletti glochidium
(Lake Sildu)
Unio pictorum glochidium
(Lakes Juglas, Kišezers; Ogre River)
Unio sp.glochidium (Lake Sīvers)
Unionidae gen. sp. glochidium

(Lakes Alūksnes, Cirma, Rāznas, Sīvers)
Crustacea
Argulus foliaceus
(Lakes Alūksnes, Sīvers; Kegums Water Reservoir)
Ergasilus sieboldi
(Lakes Alūksnes, Burtnieku, Cirma, Durbes, Kāla, Rušons, Sildu, Sīvers, Slokas, Usmas; Daugava River)

Remarks: The roach is one of the most common fish species in Latvia. It occurs in rivers, lakes and coastal waters near river mouths (Plikšs and Aleksejevs 1998).

Scardinius erythrophthalmus (Linnaeus, 1758) Rudd Rudulis Красноперка

Syn.: *Leuciscus erythophthalmus* (Linnaeus, 1758)

Status: native

Environment: freshwater

Protista
Ichthyophthirius multifiliis
(Lakes Cirma, Sīvers)
?*Trichodina domerguei*
(Lake Rāznas)
Myxosporea
Myxidium pfeifferi (Lake Sīvers)
Myxobolus bramae
(Lakes Lielauce, Rāznas, Rušons, Sīvers, Slokas Usmas; Daugava River)
M. cycloides (Lake Sīvers)
M .dispar (Lakes Cirma, Raznas)
M. ellipsoides (Lake Sīvers)
M. muelleri (Salaca River)
M. permagnus (Lake Burtnieku)
Zschokkella nova (Lake Sīvers)
Digenea
Allocreadium isoporum
(Lakes Rāznas, Sīvers, Slokas, Usmas)
Asymphylodora sp. (Lake Sīvers)
Bucephalus polymorphus
(Daugava, Salaca Rivers)
Diplostomulum sp. metacercaria
(Lake Slokas)
Diplostomum spathaceum metacercaria
(Lakes Cirma, Durbes, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Usmas; Daugava, Salaca Rivers)
Hysteromorpha triloba metacercaria
(Lake Sīvers)
Ornithodiplostomum scardini metacercaria
(Lakes Rāznas, Rušons, Slokas, Usmas; Daugava River)
Paracoenogonimus ovatus metacercaria
(Lakes Rāznas, Rušons, Slokas, Usmas; Daugava River)
Parasymphylodora markewitschi
(Lakes Liepājas, Rāznas, Rušons; Daugava River)
Posthodiplostomum brevicaudatum metacercaria (Lake Usmas)
P. cuticola metacercaria
(Lakes Cirma, Liepājas, Rāznas, Sīvers, Slokas, Usmas; Daugava River)
Tylodelphys clavata metacercaria
(Lakes Cirma, Durbes, Lielauces, Liepājas, Rāznas, Slokas, Sīvers, Usmas; Daugava River)
Monogenoidea
Dactylogyrus crucifer (Lake Cirma)
D. difformis
(Lakes Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Slokas, Usmas; Daugava River)
D. difformoides
(Lakes Kanieris, Slokas, Usmas)
D. fallax (Lake Slokas)
D. izjumovae
(Lakes Kanieris, Slokas)
D. similis (Lakes Dzirnezers, Sīvers)
Diplozoon paradoxum
(Lakes Durbes, Liepājas; Daugava River)
Cestoda
Caryophyllaeides fenica
(Lake Slokas)
Nematoda
Desmidocercella numidica
(Lake Slokas, Usmas)
Nematoda gen. sp.
(Daugava River)
Raphidascaris acus
(Lakes Cirma, Rāznas, Sīvers, Slokas, Usmas)
Acanthocephala
Acanthocephalus anguillae
(Lake Sīvers)
Corynosoma semerme juvenile
(Daugava River)
Hirudinida
Piscicola geometra
(Lakes Rāznas, Sīvers)
Mollusca
Anodonta cygnea glochidium
(Lakes Slokas, Usmas)
Unionidae gen. sp. glochidium
(Lakes Rāznas Sīvers)
Crustacea
Argulus foliaceus
(Lakes Liepājas, Rāznas, Sīvers)
Ergasilus seiboldi

(Lakes Černavu, Cirma, Durbes, Riču, Rušons, Sīvers, Slokas, Usmas; Daugava River)

Tinca tinca Tench
(Linnaeus, 1758) Līnis
Status: native Линь
Environment: fresh water
Protista
Apiosoma sp. (ponds)
Ichthyophthirius multifiliis (Lake Sīvers)
?*Trichodina domerguei* (Lakes Sīvers, Rāznas; Daugava River)
T. fultoni (Lake Sildu)
T. reticulata (Lake Sīvers)
Trichodinella epizootica (Lake Sildu)
Myxosporea
Chloromyxum cristatum (Lake Sildu)
Myxidium pfeifferi (Lake Lielauces)
Myxobolus bramae (Daugava River)
M. cyprini (ponds)
M. dispar (ponds)
M. ellipsoides (Lake Rāznas, Daugava River)
M. muelleri (Lakes Sildu, Slokas)
Thelohanellus pyriformis (Lakes Cirma, Lielauces, Rāznas, Sīvers; Daugava River)
Zschokkella nova (Lake Rāznas)
Digenea
Allocreadium isoporum (Lakes Skolas, Usmas)
Asymphylodora tincae (Lakes Burtnieku, Cirma, Dārza, Durbes, Liepājas, Lielauces, Rāznas, Sildu, Sīvers, Slokas; Daugava, Lielupe Rivers)
Bucephalus polymorphus (Lakes Sivers, Skolas; Daugava River)
Diplostomulum sp. metacercaria (Daugava River)
Diplostomum spathaceum metacercaria (Lakes Liepājas, Sīvers, Skolas; Daugava River)
Hysteromorpha triloba metacercaria (Lake Cirma)
Ichthyocotylurus plathycephalus metacercaria (ponds)
Paracoenogonimus ovatus metacercaria (Lakes Dārza, Rāznas, Skolas; Daugava River)
Phyllodistomum elongatum (Lakes Dārza, Skolas)
Posthodiplostomum brevicaudatum metacercaria (Daugava River)
Tylodelphys clavata metacercaria (Lakes Dārza, Lielauces, Liepājas, Sīvers)
Monogenoidea
Dactylogyrus macracanthus (Lakes Lielauces, Sildu, Sīvers, Rāzna; Daugava River)
D. tincae (Lakes Sildu, Skolas, Usmas, Zveinieklu; Lielupe River)
Diplozoon paradoxum (Daugava River)
?*Gyrodactylus elegans* (ponds)
G. medius (ponds)
Cestoda
Caryophyllaeus laticeps (ponds)
Neogryporhynchus cheilancristrotus metacestode (Daugava River)
Paradilepis scolicina metacestode (Lake Skolas)
Valipora campylancristrota metacestode (Lake Dārza)
Nematoda
Nematoda gen. sp. (Lakes Lielauces, Liepājas)
Raphidascaris acus (Daugava, Lielupe Rivers)
Skrjabilanus tincae (Lake Skolas)
Acanthocephala
Acanthocephalus anguillae (Lakes Liepājas, Rāznas, Sīvers; Daugava River)
A. lucii (Lake Rāznas, Daugava River)
Corynosoma semerme juvenile (Daugava River)
Hirudinida
Piscicola geometra (Lake Sīvers)
Mollusca
Anodonta cygnea glochidium (Lakes Slokas, Usmas)
Unionidae gen. sp. glochidium (Lake Sīvers)
Crustacea
Argulus foleaceus (Lakes Rāznas, Sīvers, Skolas)
Ergasilus briani (Lake Rāznas. Daugava River)
E. sieboldi (Lakes Burtnieku, Cirma, Dārza, Durbes, Lielauces, Sīvers, Usmas; Daugava River)

Remarks: The tench is one of the most common Latvian fishes, occurring in many rivers, lakes, ponds, and coastal waters near river mouths. From 1955 to 1996, it was restocked in at least 120 lakes. It is also raised in fish farms (Plikšs and Aleksejevs 1998).

Vimba vimba Vimba
(Linnaeus, 1758) Vimba
Status: native Сырть
Environment: freshwater, brackish, marine

Protista
Trichodina sp. (Gulf of Riga)
Myxosporea
Myxobolus bramae (Daugava River, Gulf of Riga)
M. ellipsoides (Daugava, Salaca Rivers; Gulf of Riga)
M. muelleri (Daugava River)
M. oviformis (Daugava River, Gulf of Riga)
Zschokkella nova (Daugava River, Gulf of Riga)
Digenea
Bucephalus polymorphus (Daugava River, Gulf of Riga)
Diplostomulum sp. metacercaria (Daugava River)
Diplostomum spathaceum metacercaria (Daugava, Salaca Rivers; Gulf of Riga)
Ichthyocotylurus variegatus metacercaria (Daugava River)
I. platucephalus (Gulf of Riga)
Paracoenogonimus ovatus metacercaria (Daugava, Salaca Rivers)
Phyllodistomum elongatum (Daugava River)
Posthodiplostomum cuticola metacercaria (Daugava River)
Sphaerostoma bramae (Daugava River)
Tylodelphys clavata metacercaria (Daugava, Salaca Rivers)
Monogenoidea
Dactylogyrus cornoides (Gauja, Salaca Rivers)
D. cornu (Daugava, Lielupe, Salaca Rivers; Gulf of Riga)
D. distinguendus (Daugava, Gauja Rivers)
D. fallax (Lielupe River)
D. sphyrna (Lakes Dzirnezers, Vilgales; Daugava, Gauja Rivers; Gulf of Riga)
Diplozoon paradoxum (Daugava, Salaca Rivers; Gulf of Riga)
Gyrodactylus vimbi (Daugava River)
Gyrodactylus sp. (Daugava River)
Paradiplozoon alburni (Salaca River)
P. blicae (Gauja River)
P. homoion homoion (Daugava River)
Cestoda
Caryophyllaeides fenica (Daugava River)
Proteocephalus torulosus (Gulf of Riga)
Nematoda
Pseudocapillaria tomentosa (Daugava River)
Raphidascaris acus (Daugava River, Gulf of Riga)
Schulmanela petruschewskii (Daugava River)
Acanthocephala
Acanthocephalus anguillae (Daugava River)
A. lucii (Daugava, Salaca Rivers; Gulf of Riga)
Echinorhynchus gadi (Daugava River)
Pomphorhynchus laevis (Daugava River)
Mollusca
Unio rostratus glochidium (Lielupe River)
Crustacea
Ergasilus briani (Daugava River)
E. sieboldi (Daugava River, Gulf of Riga)

Remarks: The vimba is anadromous species with populations in some areas. In Latvia it occurs in coastal waters, rivers discharging directly into the sea and in coastal lakes. It has been restocked since 1970 (Plikšs and Aleksejevs 1998).

ORDER SILURIFORMES

FAMILY SILURIDAE

Silurus glanis Wels catfish
Linnaeus, 1758 Sams
Status: native Сом

Environment: fresh water
Protista
Ichthyophthirius multifiliis (Daugava River)
Trichodina sp. (Ličupe River)
Digenea
Bucephalus polymorphus (Daugava River)
Diplostomum spathaceum metacercaria (Daugava River)
Nicolla skrjabini (Kegums Water Reservoir, Daugava River)
Monogenoidea
Thaparocleidus siluri (Daugava River)
Cestoda
Proteocephalus osculatus (Kegums Water Reservoir, Daugava River)
Nematoda
Agamonema sp. larva (Kegums Water Reservoir)
Camallanus truncatus (Daugava River)
Eustrongylides sp. larva (Daugava River)
Cucullanus heterochrous (Daugava River)
Raphidascaris acus (Kegums Water Reservoir, Daugava River)
Acanthocephala
Acanthocephalus anguillae (Kegums Water Reservoir)
A. lucii (Kegums Water Reservoir)
Crustacea
Ergasilus sieboldi (Daugava River)

Remarks: In Latvia, the wels catfish occurs mostly in basin of the Daugava River and its tributary, the Aiviekste. A few specimens have also been caught in the Gulf of Riga. It is included in the Red Data Book of Latvia under category "3" (rare) (Plikšs and Aleksejevs 1998).

ORDER ESOCIFORMES

FAMILY ESOCIDAE

Esox lucius Linnaeus, 1758 — Northern pike; Līdaka; Щука

Status: native

Environment: fresh water

Protista
Apiosoma companulatum (Lake Sildu, Ogre River)
?*Trichodina domerguei* (Lake Rāzna, Kegums Water Reservoir)
T. esocis (Lake Sildu)
Trichodinella epizootica (Daugava River)
Myxosporea
Chloromyxum esocium (Lake Liepājas, Kegums Water Reservoir, Daugava River)
Henneguya lobosa (Lakes Burtnieku, Indra, Juglas, Rāznas, Slokas, Usmas; Kegums Water Reservoir)
H. ovipedra (Lakes Burtnieku Durbes, Rāznas, Sildu,Usmas)
H. psorospermica (Lakes Burtnieku, Sīvers; Kegums Water Reservoir)
H. schizura (Kegums Water Reservoir)
H. zschokkei (Lake Sildu)
Myxidium lieberkuehni (Lakes Burtnieku, Cirma, Durbes, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sildu Sīvers, Usmas; Kegums Water Reservoir; Daugava River)
Myxobolus anurum (Lakes Burtnieku, Cirma, Durbes, Juglas, Kāla, Liepājas, Rāznas, Rušons, Sildu, Sīvers, Usmas; Kegums Water Reservoir; Daugava River)
Digenea
Allocreadium isoporum (Lake Juglas)
Azygia lucii (Lakes Burtnieku, Cirma, Indra, Juglas, Kāla, Liepājas, Rāznas, Rušons, Sivers, Slokas, Usmas; Daugava River)
Bucephalus polymorphus (Lakes Burtnieku, Rāznas, Sīvers; Daugava River; Kegums Water Reservoir)
Bunodera luciopercae (Lakes Lielauces, Liepājas)
Diplostomulum sp. metacercaria (Lakes Černavu, Juglas, Slokas)
Diplostomum commutatum metacercaria (Lakes Slokas, Usmas; Daugava River)
D. spathaceum metacercaria (Lakes Burtnieku, Cirma, Durbes, Kāla, Liepājas, Rāznas, Rušons,

Sildu, Sīvers; Kegums Water Reservoir; Daugava River)
Ichthyocotylurus platycephalus metacercaria (Lake Sīvers)
Paracoenogonimus ovatus metacercaria (Lakes Černavu, Juglas, Rāznas, Rušons, Usmas; Kegums Water Reservoir; Daugava, Lielupe, Rivers)
Phyllodistomum folium (Lakes Burtnieku, Cirma, Durbes, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sildu, Sīvers; Kegums Water Reservoir)
Posthodiplostomum brevicaudatum metacercaria (Lake Usmas, Daugava River)
Rhipidocotyle campanula (Lakes Sildu, Usmas; Daugava River)
Sphaerostomum bramae (Lake Burtnieku)
Tylodelphys clavata metacercaria (Lakes Burtnieku, Cirma, Durbes, Indra, Juglas, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Slokas, Usmas; Daugava River, Kegums Water Reservoir)

Monogenoidea
Diplozoon paradoxum (Lake Liepājas)
Gyrodactylus sp. (Lake Slokas)
Tetraonchus monenteron (Lakes Burtnieku, Cirma, Durbes, Juglas, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Sildu, Slokas, Usmas; Daugava River; Kegums Water Reservoir)

Cestoda
Cyathocephalus truncatus (Lake Juglas)
Diphyllobothrium latum plerocercoid (Lake Juglas, Daugava River)
Ligula intestinalis plerocercoid (Lake Liepājas)
Neogryporhynchus cheilancristrotus metacestode (Lake Engures)
Paradilepis scolecina metacestode (-)
Proteocephalus esocis (Lakes Juglas, Sīvers)
P. percae (Lakes Kāla, Sīvers)
Proteocephalus sp. (Lakes Indra, Juglas, Rāznas; Daugava River, rivers entering the Gulf of Riga)
Triaenophorus nodulosus (Lakes Burtnieku, Černavu, Cirma, Durbes, Indra, Juglas, Kāla Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Slokas,Usmas, Žuguru; Kegums Water Reservoir; Daugava River)

Nematoda
Camallanus (*Camallanus*) *lacustris* (Lakes Burtnieku, Cirma, Juglas, Rāznas, Rušons, Sildu, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River)
C. (*Camallanus*) *truncatus* (Lake Slokas)
Eustrongylides excisus larva (Lake Slokas)
Philometra obturans (Lakes Kāla, Juglas, Rušons, Sīvers, Slokas)
Raphidascaris acus (Lakes Burtnieku, Černavu, Cirma, Indra, Juglas, Liepājas, Rāznas, Rušons, Sīvers, Slokas, Usmas, Žuguru; Kegums Water Reservoir; Daugava, Lielupe Rivers)

Acanthocephala
Acanthocephalus anguillae (Lake Rāznas)
A. lucii (Lakes Burtnieku, Cirma, Juglas, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Slokas, Usmas, Žuguru; Daugava River)

Hirudinida
Piscicola geometra (Lakes Burtnieku, Cirma, Durbes, Juglas, Kāla, Lielauces, Sildu, Sīvers, Usmas)

Mollusca
Anodonta cygnea glochidium (Lakes Juglas, Slokas; Daugava River)
Pseudanadonta kletti glochidium (Lake Sivers)
Unionidae gen. sp. glochidium (Lakes Burtnieku, Cirma, Rāznas, Sildu)

Crustacea
Argulus foliaceus (Lakes Burtnieku, Cirma, Durbes, Kāla, Lielauces, Liepājas, Rāznas, Sildu, Sīvers, Slokas)
Ergasilus sieboldi (Lakes Burtnieku, Černavu, Cirma, Durbes, Indra, Juglas, Kāla, Lielauces, Rāznas, Rušons, Sīvers, Slokas, Usmas; Daugava River)

ORDER OSMERIFORMES

FAMILY OSMERIDAE

Osmerus eperlanus (Linnaeus, 1758) — European smelt; Salaka; Корюшка
Status: native
Environment: marine
- Digenea
  - *Diplostomulum* sp. metacercaria (Gulf of Riga)
  - *Diplostomum spathaceum* metacercaria (Daugava River, Gulf of Riga)
  - *Ichthyocotylurus erraticus* metacercaria (Daugava River)
- Cestoda
  - *Diphyllobothrium ditremum* plerocercoid (Gulf of Riga)
  - *Proteocephallus longicollis* (Daugava River, Gulf of Riga)
  - *Proteocephallus* sp. (Gulf of Riga)
- Nematoda
  - *Cystidicola farionis* (Daugava River, Gulf of Riga)
  - *Hysterothylacium aduncum* (Daugava River, Gulf of Riga)
- Acanthocephala
  - *Corynosoma semerme* juvenile (Daugava River, Gulf of Riga)
  - *C. strumosum* juvenile (Gulf of Riga)
  - *Echinorhynchus gadi* (Gulf of Riga)
- Crustacea
  - *Ergasilus sieboldi* (Daugava River)

Remarks: An anadromous or species that is distributed in northern Europe. Two varieties occur in Latvia: the anadromous smelt – *O. eperlanus eperlanus* – in coastal waters and the Gulf of Riga, and smelt – *O. eperlanus spirinchus* – found mainly in a few lakes (Plikšs and Aleksejevs 1998).

Osmerus eperlanus spirinchus (Pallas, 1814) — European smelt
Includes: *O. eperlanus eperlanus* morpha *spirinchus*
Status: native — Sņitka
Environment: freshwater — Снеток
- Digenea
  - *Diplostomum spathaceum* metacercaria (Lake Sīvers)
- Cestoda
  - *Diphyllobothrium ditremum* plerocercoid (Lake Sīvers)
  - *Diphyllobothrium* sp. plerocercoid (Lake Sīvers)
  - *Proteocephallus longicollis* (Lake Sīvers)
  - *Triaenophorus nodulosus* plerocercoid (Lake Sīvers)
- Crustacea
  - *Argulus foliaceus* (Lake Sīvers)
  - *Ergasilus sieboldi* (Lake Sīvers)

Remarks: This subspecies is considered a synonym of *E. eperlanus* by Froese and Pauly (2006).

ORDER SALMONIFORMES

FAMILY SALMONIDAE

Coregonus albula (Linnaeus, 1758) — Vendace; Repsis; Ряпушка
Status: native
Environment: freshwater
- Protista
  - ?*Trichodina domerguei* (Lake Rāznas)
- Myxosporea
  - *Henneguya zschokkei* (Lake Sīvers)
- Digenea
  - *Diplostomum spathaceum* metacercaria (Lakes Alūksnes, Sīvers)
  - *Ichthyocotylurus erraticus* metacercaria (Lakes Alūksnes, Rāznas, Sīvers)
  - *Tylodelphus clavata* metacercaria (Lake Alūksnes)
- Cestoda
  - *Diphyllobothrium ditremum* plerocercoid (Lakes Rāznas, Sīvers)
  - *Diphyllobothrium* sp. plerocercoid (Lake Sīvers)
  - *Proteocephalus longicollis* (Lakes Alūksnes, Rāznas, Sīvers)
- Crustacea
  - *Argulus foliaceus* (Lakes Alūksnes, Sīvers)
  - *Ergasilus sieboldi* (Lakes Rāznas, Sīvers)
- Mollusca
  - Unionidae gen. sp. glochidium (Lakes Alūksnes, Rāznas)

Remarks: This coregonid has been the subject of a restocking program since 1900. From 1939 to 1981, it was stocked into at least in 46 lakes, as well as some artificial reservoirs. It is included in the Red Data Book of Latvia under category “3” (rare) (Plikšs and Aleksejevs 1998).

Coregonus lavaretus Common whitefish
(Linnaeus, 1758) Sīga
Status: native? Сиг
Environment: freshwater, brackish
Myxosporea
Henneguya zschokkei (Lake Cirma)
Digenea
Crepidostomum farionis (Daugava River)
Diplostomum spathaceum metacercaria (Daugava River, Gulf of Riga)
Ichthyocotylurus erraticus metacercaria (Lake Cirma)
Tylodelphys clavata metacercaria (Lake Cirma)
Cestoda
Diphyllobothrium ditremum plerocercoid (Lake Cirma, Daugava River)
Proteocephalus longicollis (Daugava River, Gulf of Riga)
Nematoda
Cystidicola farionis (Daugava River)
Raphidascaris acus (Gulf of Riga)
Mollusca
Unionidae gen. sp. glochidium (Lake Cirma)
Crustacea
Achtheres foleaceus (Lake Cirma)
Ergasilus sieboldi (Lake Cirma)

Remarks: Several forms of this species – anadromous, and sea spawning – occur in Latvia. The sea spawning and anadromous whitefish are distributed along the sea coast and in the Gulf of Riga. The form (*C.lavaretus marranoides*) occurs mainly in the lakes of eastern Latvia. *Coregonus lavaretus ludoga* has been stocked since 1888; the anadromous whitefish from 1893 to 1961. This species is included in the Red Data Book of Latvia under category "2" (vulnerable) (Plikšs and Aleksejevs 1998).

Coregonus peled Peled
(Gmelin, 1783) Pelede
Status: exotic Пелядь
Environment: freshwater
Protista
Apiosoma sp. (ponds)
Trichodina reticulata (ponds)
Digenea
Diplostomum spathaceum metacercaria (ponds)
Monogenoidea
Gyrodactylus sp. (ponds)
Hirudinida
Piscicola geometra (ponds)
Crustacea
Argulus foliaceus (ponds)

Remarks: An anadromous or fresh water species that is distributed in the catchment area of the Arctic Ocean. It was introduced into Latvia in 1954 (Plikšs and Aleksejevs 1998). Froese and Pauly (2006) note that self-reproducing populations have become established in the wild.

Oncorhynchus mykiss Rainbow trout
(Walbaum, 1792) Varavīksnes forele
Syn.: *Salmo irideus* Gibbons, 1855 Радужная форель
S. gairdneri Richardson, 1836
Trutta iridea (Gibbons, 1855)
Status: exotic
Environment: fresh water
Protista
Apiosoma piscicolum (tanks)
Capriniana piscium (cages on Lake Dzirnezers)
Chilodonella piscicola (tanks)
Hexamita salmonis (tanks, hatchery)
Ichthyophthirius multifiliis (tanks)
Trichodina acuta (tanks)
T. nigra. (tanks)
Trichodinella epizootica (tanks)
Myxosporea
Chloromyxum truttae (hatchery)
Digenea
Diplostomulum sp. metacercaria (tanks)
Diplostomum spathaceum metacercaria (tanks)
Monogenoidea
?*Diplozoon* sp. (Lake Dzirnezers (cages))
Gyrodactylus truttae (tanks)
Cestoda
Triaenophorus nodulosus plerocercoid (tanks)
Nematoda
Cystidicola farionis (tanks)
Hysterothylacium aduncum (tanks)

Remarks: An anadromous or species, rainbow trout are native to western North America. The first attempted introduction into Latvia was in 1899. They are currently raised in fish farms; no feral populations have become established in Latvia and the Baltic Sea catchment area (Plikšs and Aleksejevs 1998).

Salmo salar Atlantic salmon
Linnaeus, 1758 Lasis
Status: native Лосось, семга

Environment: marine
Protista
Apiosoma piscicolum (tanks)
Hexamita salmonis (hatchery)
Trichodina nigra (hatchery)
Myxosporea
Chloromyxum truttae (hatchery)
Digenea
Brachyphallus crenatus (Daugava River)
Cestoda
Diphyllobothrium dendriticum (Rivers Buļļupe, Daugava, Gauja, Lielupe, Vecdaugava; Gulf of Riga)
D. ditremum plerocercoid (Daugava River)
Eubothrium crassum (Daugava River, Gulf of Riga)
Nematoda
Cucullsnus truttae (Daugava River)
Goezia sp. (Daugava River)
Hysterothylacium aduncum (Daugava River)
Pseudoterranova decipiens larva (Daugava River)
Raphidascaris acus (Daugava River)
Acanthocephala
Echinorhynchus gadi (Daugava River)
E. salmonis (Daugava River)
Remarks: An anadromous species, the Baltic salmon is considered a geographically isolated population, as no migrations out of the sea are observed (Plikšs and Aleksejevs 1998).

Salmo trutta Sea trout
Linnaeus, 1758 Taimiņš
Status: native Кумжа
Environment: brackishwater, marine
Cestoda
Eubothrium crassum (Daugava River)
Nematoda
Hysterothylacium aduncum (Daugava River)
Raphidascaris acus (Daugava River)
Acanthocephala
Echinorhynchus salmonis (Daugava River)
Remarks: An anadromous species. occurring in Latvia along the Baltic Sea coast and in the Gulf of Riga (Plikšs and Aleksejevs, 1998). Listed as *S. trutta trutta* by Froese and Pauly (2006).

Salmo trutta morpha *fario* Brown trout
Linnaeus, 1758 Strauta forele
Status: native Ручьевая форель
Environment: freshwater
Digenea
Diplostomum spathaceum metacercaria (River Liečupe)
Cestoda
Cyathocephalus truncatus (Liečupe River)
Eubothrium crassum (Daugava River)
Proteocephalus longicollis (Liečupe River)
Nematoda
Cucullanus truttae (Liečupe River)
Acanthocephala
Echinorhynchus truttae (Liečupe River)
Mollusca
Unio pictorum glochidium (rivers)
Remarks: The brown trout was restocked from 1898 to 1941, and imported from Czechoslovakia between 1958 and 1960 for stocking in lakes for recreational fishing (Plikšs and Aleksejevs 1998). This form is considered a synonym of *S. trutta trutta* by Froese and Pauly (2006).

Thymallus thymallus Grayling
(Linnaeus, 1758) Alata
Status: native Хариус
Environment: freshwater
Monogenoidea
Tetraonchus borealis (Gauja river basin)
Nematoda
Cystidicoloides ephemeridarum (Gauja River)
Remarks: In Latvia, grayling are found in the Gauja and Venta Rivers and their tributaries. The species is included in the Red Data Book of Latvia under category “3” (rare) (Plikšs and Aleksejevs 1998).

ORDER GADIFORMES

FAMILY GADIDAE

Gadus morhua callarias Baltic cod
(Linnaeus, 1758) Menca
Status: native Треска
Environment: marine
Protista
Goussia gadi (Baltic Sea)

Loma branchialis (Baltic Sea)
Trichodina cottidarum (Gulf of Riga)
T. murmanica (Gulf of Riga)
Trichodina sp. (Gulf of Riga, Baltic Sea)
Digenea
Diplostomulum sp. metacercaria (Baltic Sea)
Diplostomum spathaceum metacercaria (Daugava River, Gulf of Riga, Baltic Sea)
Monogenoidea
Gyrodactylus aeglefini (Gulf of Riga, Baltic Sea)
G. pharyngicus (Gulf of Riga)
Cestoda
Bothriocephalus scorpii (Gulf of Riga, Baltic Sea)
Nematoda
Anisakis simplex larva (Gulf of Riga)
Ascarophis longispicula (Gulf of Riga, Baltic Sea)
A. morhuae (Gulf of Riga, Baltic Sea)
A. skrjabini (Gulf of Riga)
Ascarophis sp. (Gulf of Riga, Baltic Sea)
Cucullanus cirratus (Gulf of Riga)
Cystidicola farionis (Gulf of Riga, Baltic Sea)
Hysterothylacium aduncum (Daugava River, Gulf of Riga)
Acanthocephala
Corynosoma semerme juvenile (Gulf of Riga, Baltic Sea)
C. strumosum juvenile (Gulf of Riga, Baltic Sea)
Echinorhynchus gadi (Daugava River, Gulf of Riga, Baltic Sea)
Pomphorhynchus laevis (Gulf of Riga, Baltic Sea)
Hirudinida
Piscicola geometra (Gulf of Riga, Baltic Sea)

Remarks: The Baltic cod is a marine demersal species. One of five subspecies of the Atlantic cod, its is adapted to the brackish waters of the Baltic Sea and is. common throughout the Baltic, its distribution fluctuating along with the stock's abundance (Plikšs & Aleksejevs 1998). The subspecies is considered a junior synonym of *G. morhua* by Froese and Pauly (2006).

Lota lota (Linnaeus, 1758) — Burbot, Vēdzele, Налим

Status: native

Environment: freshwater

Protista
Hexamita salmonis (Lake Rāznas, Daugava River)
?*Trichodina domerguei* (Lake Rāznas)
Myxosporea
Caudomyxum nanum (Kegums Water Reservoir)
Chloromyxum dubium (Lake Rāznas, Kegums Water Reservoir)
C. mucronatum (Lake Rāznas, Kegums Water Reservoir)
Myxobolus cycloides (Lake Burtnieku)
M. muelleri (Lakes Rāznas, Sīvers; Daugava River)
Digenea
Diplostomum spathaceum metacercaria (Lakes Rāznas, Sīvers; Daugava River)
Neodiplostomulum sp. metacercaria (Lake Rāznas)
Phyllodistomum megalorchis (Lake Rāznas)
Tylodelphys clavata metacercaria (Lakes Rāznas, Sīvers)
Cestoda
Diphyllobothrium latum plerocercoid (Daugava River)
Triaenophorus nodulosus plerocercoid (Lakes Rāznas, Sīvers; Daugava River)
Nematoda
Desmidocercella sp. (Lake Sīvers)
Camallanus lacustris (Lakes Rāznas, Sīvers)
Nematoda gen. sp. (Lake Sīvers)
Raphidascaris acus (Lakes Rāznas, Sīvers; Daugava River)
Acanthocephala
Acanthocephalus anguillae (Lakes Rāznas, Sīvers; Daugava River)
A. clavula (Lakes Rāznas, Sīvers; Daugava River)
A. lucii

(Lakes Burtnieku, Rāznas, Sīvers; Daugava River)
Neoechinorhynchus rutili (Daugava River)
Mollusca
Unionidae gen. sp. glochidium (Daugava River)

Remarks: In Latvia the burbot occurs in many rivers and lakes, and in coastal waters near river mouths. It is not found in small, closed, overgrown lakes (Plikšs and Aleksejevs 1998).

ORDER GASTEROSTEIFORMES

FAMILY GASTEROSTEIDAE

Gasterosteus aculeatus Linnaeus, 1758 — Three-spined stickleback
Status: native — Trīsadatu stagars — Трехиглая колюшка
Environment: freshwater, brackish, marine

Protista
Apiosoma piscicolum (Daugava River)
Chilodonella piscicola (Daugava River)
Glugea anomala (Daugava River)
Ichthyophthirius multifiliis (Daugava River)
Trichodina domerguei (Daugava River, Gulf of Riga)
T. gasterostei (Daugava River)
T. teneidens (Daugava River)
Myxosporea
Myxobilatus gasterostei (Gulf of Riga)
Sphaerospora elegans (Daugava River, Gulf of Riga)
Digenea
Diplostomum pungeti metacercaria (Daugava River)
D. spathaceum metacercaria (Daugava River, Gulf of Riga)
Phyllodistomum folium (Daugava River)
Posthodiplostomum brevicaudatum metacercaria (Gulf of Riga)
Monogenoidea
Gyrodactylus medius (ponds)
G. rarus (Daugava River, Gulf of Riga)
Cestoda
Caryophyllaeides fenica (Daugava River)
Diphyllobothrium vogeli plerocercoid (Daugava River)
Khawia parva (Daugava River)
?*Proteocephalus cernuae* (Daugava River)
P. fillicollis (Daugava River, Gulf of Riga)
Schistocephalus solidus plerocercoid (Daugava River, Gulf of Riga)
Triaenophorus nodulosus plerocercoid (Daugava River)
Nematoda
Hysterothylacium aduncum (Daugava River, Gulf of Riga)
Raphidascaris acus (Daugava River, Gulf of Riga)
R.. gracillima (Daugava River)
Acanthocephala
Acanthocephalus clavula (Daugava River)
A. lucii (Daugava River)
Echinorhynchus cryophilus (Daugava River)
E. salmonis (Daugava River)
Neoechinorhynchus rutili (Daugava River, Gulf of Riga)
Pomphorhynchus laevis (Daugava River)
Hirudinida
Piscicola geometra (Daugava River)
Mollusca
Anodonta complanata glochidium (Daugava River)
Unionidae gen. sp. glochidium (Gulf of Riga)
Crustacea
Argulus foliaceus (Daugava River)
Thersetina gasterostei (Daugava River, Gulf of Riga)

Pungitius pungitius (Linnaeus, 1758) — Nine-spine stickleback
Status: native — Deviņadatu stagars — Девятииглая колюшка
Environment: freshwater, brackish, marine

Protista
Apiosoma sp. (ponds)
Chilodonella piscicola (ponds)
Ichthyophthirius multifiliis (ponds)
Trichodina domerguei (ponds)
T. reticulata (ponds)
Digenea
Ichthyocotylurus platycephalus metacercaria (ponds)
Monogenoidea
Gyrodactylus sp. (ponds)
Hirudinida
Piscicola geometra (ponds)

Crustacea
Argulus foliaceus (ponds)

Remarks: In Latvia the nine-spine stickleback occurs in coastal waters and rivers, artificial reservoirs and coastal lakes that are connected to the sea. It sometimes propagates in fish farms and is thus released along with cyprinids stocked in waterbodies not connected to the sea (Plikšs and Aleksejevs 1998).

ORDER BELONIFORMES

FAMILY BELONIDAE

Belone belone (Linnaeus, 1761) — Garpike, Vejzivs, Сарган
Status: native
Environment: marine
Digenea
Diplostomum spathaceum metacercaria (Gulf of Riga)
Cestoda
Bothriocephalus scorpii (Gulf of Riga)
Nematoda
Hysterothylacium aduncum (Gulf of Riga)
Acanthocephala
Corynosoma semerme juvenile (Gulf of Riga)
Pomphorhynchus laevis (Gulf of Riga)

Remarks: This species occurs in the Baltic Sea as far as the middle of the Gulf of Bothnia, and also in the gulfs of Riga and Finland (Plikšs & Aleksejevs 1998).

ORDER SCORPAENIFORMES

FAMILY COTTIDAE

Cottus gobio Linnaeus, 1758 — Bullhead, Platgalve, Подкаменщик
Status: native
Environment: freshwater
Digenea
Diplostomum spathaceum metacercaria (Daugava River)
Phyllodistomum simile (Daugava River)
Plagioporus angusticolle (Daugava River)
Nematoda
Nematoda gen. sp. (Daugava River)

Cottus poecilopus Heckel, 1837 — Alpine bullhead, Raibā platgalve, Пестроногий подкаменщик
Status: native
Environment: freshwater
Protista
Trichodina cottidarum (Gulf of Riga)
?*T. domerguei* (Gulf of Riga)
T. modesta (Gulf of Riga)
Digenea
Diplostomum spathaceum metacercaria (Gulf of Riga)
Nematoda
Hysterothylacium aduncum (Gulf of Riga)
Acanthocephala
Echinorhynchus gadi (Gulf of Riga)
Pomphorhynchus laevis (Gulf of Riga)
Hirudinida
Piscicola geometra (Gulf of Riga)

Taurulus bubalis (Euphrasen, 1786) — Longspined bullhead, Jūras dzeloņgalve, Бычек-буйвол
Status: native
Environment: marine
Protista
Microsporidium cotti (Gulf of Riga)
Trichodina cottidarum (Gulf of Riga)
Digenea
Diplostomum spathaceum metacercaria (Gulf of Riga)
Cestoda
Bothriocephalus scorpii (Gulf of Riga)
Nematoda
Ascarophis morhuae (Gulf of Riga)
Pseudoterranova decipiens larva (Gulf of Riga)

Remarks: This marine demersal species occurs in the Baltic Sea as far as the Gulf of Bothnia and middle of the Gulf of Finland. It is very rare in the coastal areas of Latvia, and is included in the Red Data Book of Latvia under category “3” (rare) (Plikšs & Aleksejevs 1998).

Triglopsis quadricornis (Linnaeus, 1758) — Fourhorn sculpin, Četrragu buļļzivs, Четырехрогий керчак
Status: native
Environment: marine
Protista
Trichodina cottidarum (Gulf of Riga)

Digenea
Diplostomum spathaceum
metacercaria (Gulf of Riga)
Nematoda
Ascarophis morhuae (Gulf of Riga)
Hysterothylacium aduncum
(Gulf of Riga)
Pseudoterranova decipiens larva
(Gulf of Riga)
Raphidascaris acus (Gulf of Riga)

ORDER PERCIFORMES

FAMILY GOBIIDAE

Gobio gobio gobio Gudgeon
(Linnaeus, 1758) Grundulis
Status: native Пескарь
Environment: freshwater
Protista
Apiosoma sp. (Ogre River)
?*Trichodina domerguei*
(Lake Rāznas)
Myxosporea
Myxobolus cycloides (Rāznas)
M. dispar (Lake Rāznas)
M. muelleri (Ogre River)
M. oviformis
(Lake Rāznas; Kegums Water Reservoir)
M. permagnus
(Lake Rāznas, Kegums Water Reservoir)
M. rotundus (Lake Rāznas)
Zschokkella nova (Lake Rāznas)
Digenea
Allocreaduim isoporum
(Daugava River)
Bucephalus polymorphus
(Kegums Water Reservoir, Daugava River)
Diplostomum spathaceum
metacercaria
(Lake Rāznas, Kegums Water Reservoir, Daugava, Ogre Rivers)
Ichthyocotylurus pileatus
metacercaria (Ogre River)
I. platycephalus metacercaria
(Daugava River)
Paracoenogonimus ovatus
metacercaria (Lake Rāznas)
Tylodelphys clavata metacercaria
(Ogre River)
Monogenoidea
Dactylogyrus cryptomeres
(Ogre River)
D. gobii (Ogre River)
Diplozoon paradoxum
(Lake Rāznas, Kegums Water Reservoir)
Gyrodactylus gobii (Lake Rāznas)
G. gobiensis (Ogre River)
G. markakulensis (Lake Rāznas)
Paradiplozoon homoion gracile
(Ogre River)
P. zeller (Ogre River)
Cestoda
Khawia dubius (Lake Rāznas)
Nematoda
Contracaecum sp. (Ogre River)
Raphidascaris acus (Lake Rāznas)
Acanthocephala
Acanthocephalus lucii
(Lake Rāznas)
Mollusca
Anodonta cygnea glochidium
(Ogre River)
Unionidae gen. sp. glochidium
(Lake Rāznas)
Crustacea
Ergasilus sieboldi (Lake Rāznas)
Remarks: This species occurs in many Latvian rivers and lakes, and rarely in the Gulf of Riga near river mouths. It has been moved through its use as a baitfish (Plikšs & Aleksejevs 1998).

FAMILY PERCIDAE

Gymnocephalus cernuus Ruffe
(Linnaeus, 1758) Ķīsis
Status: native Ерш
Environment: freshwater
Protista
Pleisthophora acerinae
(Lakes Kāla, Rāznas, Rušons)
Trichodinella epizootica
(Lakes Garmuižas, Rāznas; Daugava River)
Myxosporea
Henneguya creplini
(Daugava River)
Myxobolus anurum
(Daugava, Ogre Rivers)
M. magnus
(Kegums Water Reservoir, Daugava River)
Digenea
Bucephalus polymorphus
(Kegums Water Reservoir, Daugava River)
Bunodera luciopercae
(Lakes Cirma, Juglas, Usmas)
Diplostomulum sp. metacercaria

(Lake Usmas, Daugava River)
Diplostomum spathaceum
metacercaria
(Lakes Burtnieku, Cirma, Durbes, Juglas, Kāla, Rāznas, Rušons; Sīvers; Kegums Water Reservoir; Daugava, Ogre Rivers)
Ichthyocotylurus pileatus
metacercaria
(Lake Usmas, Ogre River)
I. platycephalus metacercaria
(Lakes Burtnieku, Cirma, Durbes, Kāla, Rāznas, Rušons, Sīvers; Kegums Water Reservoir; Daugava River)
I. variegatus
(Lakes Burtnieku, Juglas, Usmas; Daugava River)
Neodiplostomulum sp. metacercaria
(Kegums Water Reservoir)
Nicolla skrjabini
(Kegums Water Reservoir, Daugava River)
Paracoenogonimus ovatus
metacercaria
(Kegums Water Reservoir, Daugava River)
Phyllodistomum folium
(Lake Usmas)
P. megalorchis (Lake Rāznas)
P. pseudofolium
(Lakes Cirma, Rāznas, Sīvers; Kegums Water Reservoir)
Posthodiplostomum brevicaudatum
metacercaria
(Lake Usmas; Daugava, Ogre Rivers)
P. cuticola metacercaria
(Kegums Water Reservoir, Daugava River)
Rhipidocotyle campanula
(Lake Usmas, Ogre River)
Tylodelphys clavata metacercaria
(Lakes Burtnieku, Cirma, Durbes, Kāla, Juglas, Rāznas, Rušons, Sīvers, Usmas; Kegums Water Reservoir; Daugava River)
Monogenoidea
Dactylogyrus amphybothrium
(Lakes Burtnieku, Cirma, Durbes, Juglas, Rāznas, Rušons, Sīvers, Usmas,Vilgāles; Kegums Water Reservoir; Daugava, Ogre Rivers)
D. hemiamphybothrium
(Lakes Juglas, Usmas; Daugava, Ogre Rivers)
D. nanus (Lake Sīvers)
Gyrodactylus cernuuse
(Lake Juglas)
Paradiplozoon homoion homoion
(Daugava River)
Cestoda
Proteocephalus cernuae
(Lakes Cirma, Kāla, Rušons; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Triaenophorus nodulosus
plerocercoid
(Lakes Burtnieku, Rāznas, Sīvers, Usmas)
Nematoda
Anguillicola crassus larva
(Lake Puzes, Usmas; Venta River; coastal waters)
Camallanus lacustris
(Lakes Burtnieku, Cirma, Juglas, Rāznas, Sīvers)
Eustrongylides sp. larva
(Lakes Burtnieku, Saukas)
Philometra ovata (Lake Rušons)
Raphidascaris acus
(Lake Rāznas, Daugava River)
Schulmanela petrushewskii
(Lake Usmas; Kegums Water Reservoir; Daugava, Ogre Rivers)
Acanthocephala
Acanthocephalus anguillae
(Kegums Water Reservoir)
A. clavula (Daugava River)
A. lucii
(Lakes Burtnieku, Cirma, Rāznas, Sīvers, Usmas; Daugava River)
Hirudinida
Piscicola geometra
(Lakes Cirma, Rāznas Sīvers)
Mollusca
Anodonta cygnea glochidium
(Lakes Juglas, Usmas; Daugava, Ogre Rivers)
Unionidae gen. sp. glochidium
(Lakes Cirma, Durbes, Rāznas, Sīvers; Kegums Water Reservoir)
Crustacea
Ergasilus sieboldi
(Lakes Cirma, Kāla, Juglas, Rāznas, Rušons, Sīvers, Usmas; Daugava River; Gulf of Riga)

Perca fluviatilis Linnaeus, 1758
Status: native
Environment: fresh water

European perch
Asaris
Окунь

Protista
Chilodonella piscicola (Lake Juglas)
Dermocystidium percae
(Lake Usmas, Daugava River)
Trichodina reticulata
(Lake Burtnieku)

T. urinaria
(Lakes Alūksnes, Cirma, Durbes, Juglas, Lielauces, Rāznas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava, Ogre, Salaca Rivers)
Trichodinella epizootica
(Daugava River)
Myxosporea
Henneguya psorospermica
(Lakes Burtnieku, Juglas, Kāla, Liepājas, Rāznas, Sildu, Sīvers Usmas; Kegums Water Reservoir; Lielupe River; Gulf of Riga)
Henneguya sp. (Lake Sīvers)
Myxobolus carassii (Daugava River)
M. ellipsoides
(Lake Usmas, Daugava River)
M. minutus (Lakes Slokas, Usmas)
M. musculi (Lakes Juglas, Usmas)
Digenea
Azygia lucii
(Lakes Juglas, Rušons, Sīvers, Slokas, Usmas; Daugava, Ogre Rivers; Gulf of Riga)
Bucephalus polymorphus
metacercaria
(Lakes Burtnieku, Rāznas, Sildu, Usmas; Daugava, Salaca Rivers)
Bunodera luciopercae
(Lakes Burtnieku, Durbes, Juglas, Lielauces, Liepājas, Rāznas, Riču, Sildu, Sīvers, Slokas, Usmas; Daugava, Ogre, Salaca Rivers; Gulf of Riga)
Diplostomulum sp. metacercaria
(Lakes Juglas, Riču, Žuguru; Daugava, Salaca Rivers)
Diplostomum spathaceum
metacercaria
(Lakes Alūksnes, Burtnieku, Cirma, Durbes, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Slokas,Usmas; Kegums Water Reservoir; Daugava, Ogre Rivers; Gulf of Riga)
Ichthyocotylurus pileatus
metacercaria (Lake Usmas)
I. platycephalus metacercaria
(Lakes Burtnieku, Sīvers; Kegums Water Reservoir; Daugava River)
I .variegatus metacercaria
(Lakes Alūksnes, Burtnieku, Cirma, Durbes, Juglas, Kāla, Rāznas, Rušons, Sildu, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Neodiplostomulum sp. metacercaria
(Kegums Water Reservoir)
Phyllodistomum angulatum
(Gulf of Riga)
P. pseudofolium (Lake Liepājas)
Paracoenogonimus ovatus
metacercaria
(Lakes Juglas, Slokas, Usmas)
Posthodiplostomum brevicaudatum
metacercaria
(Lakes Alūksnes, Burtnieku, Juglas, Kāla, Liepājas, Slokas, Usmas, Žuguru; Kegums Water Reservoir; Daugava, Ogre, Salaca Rivers; Gulf of Riga)
P. cuticola metacercaria
(Lakes Juglas, Slokas; Daugava River)
Rhipidocotyle campanula
(Lake Sildu, Usmas, Žuguru; Ogre River)
Tylodelphys clavata metacercaria
(Lakes Alūksnes, Burtnieku, Cirma, Durbes, Juglas, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava, Ogre, Salaca Rivers; Gulf of Riga)
Monogenoidea
Ancyrocephalus percae
(Lakes Burtnieku, Rāznas, Sīvers, Usmas; Kegums Water Reservoir; Daugava, Ogre Rivers)
Dactylogyrus sp. (Lake Sīvers)
Cestoda
Cyathocephalus truncatus
(Lake Juglas)
Diphyllobothrium latum
plerocercoid (Lake Burtnieku)
Ligula intestinalis plerocercoid
(Lake Lielauces)
Proteocephalus percae
(Lakes Burtnieku, Kāla, Liepājas, Rāznas, Sīvers, Usmas; Daugava River)
Triaenophorus nodulosus
plerocercoid
(Lakes Alūksnes, Burtnieku, Cirma, Juglas, Kāla, Lielauces, Rāznas, Rušons, Sīvers, Slokas, Usmas; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Nematoda
Anguillicola crassus larva
(Lakes Puzes, Usmas; Venta River; coastal waters)
Camallanus lacustris
(Lakes Alūksnes Burtnieku, Cirma, Durbes, Juglas, Kāla, Liepājas, Rāznas, Riču, Rušons, Sildu, Sīvers, Slokas, Usmas, Žuguru; Kegums

Water Reservoir; Daugava, Ogre, Salaca Rivers; Gulf of Riga)
C.. truncatus (Gulf of Riga)
Desmidocerella numidica (natural waterbodies)
Desmidocerella sp. (Lakes Juglas, Sīvers, Slokas, Žuguru; Daugava River; Gulf of Riga)
Eustrongylides sp. larva (Lake Burtnieku)
Hysterothylacium aduncum (Gulf of Riga)
Nematoda gen. sp. (Lakes Cirma, Sīvers)
Raphidascaris acus (Lakes Rāznas, Rušons, Sīvers, Slokas; Kegums Water Reservoir; Daugava, Lielupe Rivers; Gulf of Riga)
Acanthocephala
Acanthocephalus lucii (Lakes Alūksnes, Burtnieku, Durbes, Lielauces, Liepājas, Rāznas, Riču, Rušons, Sildu, Sīvers, Skolas, Usmas, Žuguru; Kegums Water Reservoir; Daugava, Salaca Rivers; Gulf of Riga)
Corynosoma semerme juvenile (Gulf of Riga)
Hirudinida
Hemiclepsis marginata (Lake Rāznas)
Piscicola geometra (Lakes Alūksnes, Burtnieku, Rāznas, Sīvers)
Mollusca
Anodonta cygnea glochidium (Lakes Juglas, Slokas, Usmas; Daugava River)
Pseudanadonta kletti glochidium (Lake Sildu)
Unio pictorum glochidium (Gauja, Venta Rivers)
Unionidae gen. sp. glochidium (Lakes Alūksnes, Durbes, Rāznas, Sīldu, Sīvers; Daugava River)
Crustacea
Achtheres percarum (Lakes Alūksnes, Cirma, Lielauces, Liepājas, Rāznas, Riču, Sīvers; Daugava River)
Argulus foliaceus (Lakes Alūksnes, Burtnieku, Cirmas, Lielauces, Liepājas, Sildu)
Ergasilus sieboldi (Lakes Burtnieku, Cirma, Kāla, Lielauces, Liepājas, Rāznas, Rušons, Sīvers, Usmas)
Lernaea esocina (Kegums Water Reservoir)

Remarks: The perch is one of the most common species in Latvian coastal and inner waters. From 1969 to 1988, it was restocked in at least 55 lakes (Plikšs and Aleksejevs 1998).

Sander lucioperca (Linnaeus, 1758) Zander
Syn.: *Stizostedion lucioperca* (Linnaeus, 1758) Zandarts
Status: native Судак
Environment: freshwater
Protista
?*Trichodina domerguei* (Kegums Water Reservoir, Daugava River, Gulf of Riga)
T. reticulata (Lake Burtnieku)
Myxosporea
Myxobolus sandrae (Lake Juglas, Daugava River)
Monogenoidea
Ancyrocephalus paradoxus (Lakes Burtnieku, Juglas, Usmas; Daugava River, Gulf of Riga)
Digenea
Azygia lucii (Daugava River)
Bucephalus polymorphus (Lakes Juglas, Usmas; Kegums Water Reservoir, Daugava River)
Bunodera luciopercae (Daugava River)
Diplostomulum sp. metacercaria (Daugava River)
Diplostomum spathaceum metacercaria (Lake Juglas, Daugava River, Gulf of Riga)
Hysteromorpha triloba metacercaria metacercaria (Lake Juglas)
Ichthyocotylurus pileatus metacercaria (Lake Usmas)
I. platycephalus metacercaria (Lake Burtnieku, Kegums Water Reservoir, Daugava River, Gulf of Riga)
I. variegatus metacercaria (Lake Juglas, Daugava River)
Paracoenogonimus ovatus metacercaria (Lake Juglas, Kegums Water Reservoir, Daugava River)
Phyllodistomum angulatum (Daugava River)
Rhipidocotyle campanula (Lakes Juglas,Usmas; Daugava River)
Tylodelphys clavata metacercaria

(Kegums Water Reservoir, Daugava River)
Nematoda
Camallanus lacustris (Lake Burtnieku, Daugava River)
C. truncatus (Kegums Water Reservoir, Daugava River, Gulf of Riga)
Contracaecum sp. (Daugava River)
Eustrongylides excisus larva (Lake Juglas)
Raphidascaris acus (Lakes Juglas, Usmas; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Rhabdochona denudata (Daugava River)
Acanthocephala
Acanthocephalus lucii (Lake Juglas)
Corynosoma semerme juvenile (Daugava River)
C. strumosum juvenile (Daugava River)
Mollusca
Anodonta cygnea glochidium (Lake Juglas)
Crustacea
Achtheres percarum (Lakes Juglas, Usmas; Kegums Water Reservoir; Daugava River; Gulf of Riga)
Ergasilus sieboldi (Daugava River)

Remarks: In Latvia, the pike-perch occurs in a few lakes and artificial reservoirs where populations have established after restocking. (Plikšs and Aleksejevs 1998).

FAMILY ZOARCIDAE

Zoarces viviparous (Linnaeus, 1758)
Status: native
Environment: marine
Viviparous blenny
Lucītis
Бельдюга

Protista
Dermocystidium sp. (Daugava River, Gulf of Riga)
Myxosporea
?*Myxidium macrocapsulare* (Gulf of Riga)
Digenea
Diplostomulum sp. metacercaria (Gulf of Riga)
Diplostomum spathaceum metacercaria (Daugava River, Gulf of Riga)
Posthodiplostomum brevicaudatum metacercaria (Gulf of Riga)
Monogenoidea
Gyrodactylus erraburdus (Gulf of Riga)
G. perlucidus (Gulf of Riga)
Cestoda
Bothriocephalus scorpii (Daugava River, Gulf of Riga)
?*Caryophyllaeus* sp. (Gulf of Riga)
Proteocephalus percae (Daugava River, Gulf of Riga)
Nematoda
Ascarophis skrjabini (Daugava River, Gulf of Riga)
Cystidicoloides ephemeridarum (Gulf of Riga)
Hysterothylacium aduncum (Daugava River, Gulf of Riga)
Pseudoterranova sp.larva (Gulf of Riga)
Raphidascaris acus (Daugava River, Gulf of Riga)
R. gracillima (Daugava River, Gulf of Riga)
Acanthocephala
Corynosoma semerme juvenile (Daugava River, Gulf of Riga)
C. strumosum juvenile (Gulf of Riga)
Echinorhynchus gadi (Daugava River, Gulf of Riga)
Pomphorhynchus laevis (Daugava River, Gulf of Riga)
Hirudinida
Piscicola geometra (Gulf of Riga)

Remarks: This marine demersal species occurs in the seas of North Europe, all along the Baltic coast. It is a commercially important fish in the Gulf of Riga (Plikšs and Aleksejevs 1998).

ORDER PLEURONECTIFORMES

FAMILY PLEURONECTIDAE

Platichthys flesus trachurus (Duncker, 1892)
Status: native
Environment: marine
Flounder
Plekste
Речная камбала

Protista
Glugea stephani (Baltic Sea)
Trichodina jadranica (Gulf of Riga, Baltic Sea)
T. raabei (Gulf of Riga, Baltic Sea)
Trichodina sp. (Daugava River, Gulf of Riga)
Myxosporea

Myxobilatus platessae
(Gulf of Riga, Baltic Sea)
Digenea
Cryptocotyle concava metacercaria
(Baltic Sea)
Cryptocotyle sp. metacercaria
(Gulf of Riga)
Diplostomulum sp. metacercaria
(Gulf of Riga, Baltic Sea)
Diplostomum spathaceum
metacercaria
(Daugava River, Gulf of Riga, Baltic Sea)
Nicolla skrjabini (Daugava River)
Posthodiplostomum brevicaudatum
metacercaria
(Daugava River, Gulf of Riga, Baltic Sea)
Monogenoidea
Gyrodactylus flexibiliradix
(Gulf of Riga, Baltic Sea)
Cestoda
Bothriocephalus scorpii
(Daugava River, Baltic Sea)
Bothriocephalus sp. (Gulf of Riga)
Eubothrium sp. (Baltic Sea)
Scolex pluronectis plerocercoid
(Gulf of Riga, Baltic Sea)
Nematoda
Cucullanus heterochrous
(Gulf of Riga, Baltic Sea)
Dichelyne minutus
(Daugava River, Gulf of Riga, Baltic Sea)
Hysterothylacium aduncum
(Daugava River, Gulf of Riga, Baltic Sea)
Nematoda gen. sp. (Gulf of Riga)
Pseudoterranova decipiens larva
(Daugava River, Gulf of Riga)
Pseudoterranova sp. larva
(Gulf of Riga, Baltic Sea)
Rapidascaris acus
(Gulf of Riga, Baltic Sea)
Acanthocephala
Corynosoma semerme juvenile
(Daugava River, Baltic Sea)
C. strumosum juvenile
(Gulf of Riga, Baltic Sea)
Echinorhynchus gadi
(Gulf of Riga, Baltic Sea)
Pomphorhynchus laevis
(Gulf of Riga, Baltic Sea)

Remarks: This Baltic subspecies of the European flounder is abudant throughout the Baltic, the northen part of Gulf of Bothnia and the eastern part of the Gulf of Finland. It occurs only rarely in the southern part of the Gulf of Riga. Two ecological races are recognized, the deep- spawning flounder and the bank- spawning flounder; only only the deep- spawning flounder is found in Latvian waters (Plikšs and Aleksejevs 1998).

It is listed as a junior synonym *of P. flesus* (Linnaeus, 1758) by Froese and Pauly (2006).

FAMILY SCOPHTHALMIDAE

Psetta maxima Turbot
(Linnaeus, 1758) Akmeņplekste
Status: native Тюрбо
Environment: marine
Protista
Glugea stephani (Baltic Sea)
Trichodina sp.
(Daugava River, Gulf of Riga)
Digenea
Diplostomum spathaceum
metacercaria (Gulf of Riga)
Cestoda
Bothriocephalus scorpii
(Gulf of Riga Baltic Sea)
Nematoda
Camallanus truncatus
(Gulf of Riga)
Dichelyne minutus (Baltic Sea)
Hysterothylacium aduncum
(Gulf of Riga Baltic Sea)
Raphidascaris acus (Baltic Sea)
Acanthocephala
Corynosoma semerme juvenile
(Baltic Sea)

Remarks: The turbot is a marine demersal species that occurs along the European coast. It is common in Baltic waters near the Latvian coast and in the Gulf of Riga (Plikšs and Aleksejevs 1998).

Unidentified Fish

"fish"
Status: unknown
Environment: freshwater
Protista
Trichodina acuta (-)
T. domerguei (-)
T. mutabilis (-)
T. nigra (-)
T. pediculus (-)
T. reticulata (-)
Monogenoidea
Diplozoon paradoxum (-)
Cestoda
Diphyllobothrium latum
plerocercoid (-)

Ligula intestinalis
plerocercoid (-)
Hirudinida
Hemiclepsis marginata (-)
Piscicola geometra (-)
Branchiura
Argulus folaceus (-)
Copepoda
Lernaea cyprinacea (-)