

# Ornamental fish update

– important information regarding noxious fish

March 2015

On 6 February 2015, NSW Government introduced further changes to the NSW Noxious Fish List as part of a consistent approach to the management of ornamental fish throughout Australia. **This brochure replaces the ornamental fish update from December 2010.** The NSW Noxious Fish List now includes an additional 65 listings that have been nationally agreed as having a high-risk pest potential.

## Why are there changes to the noxious fish list?

In 2006, all Australian governments, in consultation with representatives of the ornamental fish industry, developed a National Strategy called the “Strategic Approach to the Management of Ornamental Fish in Australia” (search for *ornamental fish* at [www.dpi.nsw.gov.au](http://www.dpi.nsw.gov.au) to view the strategy). The National Strategy contains seven recommendations for the management of ornamental fish in Australia, including the development of an agreed National Noxious Fish List.

Noxious fish possess characteristics that have the potential to trigger, or contribute to, aquatic pest or disease outbreaks, impacting upon natural biodiversity and fisheries resources. Weatherloach and Tilapia are two examples of noxious species which, when released, are known to have impacts on our natural aquatic systems. The National Strategy aims to reduce the occurrence of similar invasions in the future.

The complete NSW Noxious Fish List is presented inside this brochure. **Please note that a six month advisory period for new additions to the list – highlighted in BLUE – commenced on 1 March 2015. The advisory period ends on 31 August 2015 and compliance for the newly listed species will be enforced from this date. Compliance with all other species is already mandatory by law.**

## What rules apply to the newly listed noxious fish?

There are three classes of noxious fish in NSW, each representing a different level of threat to the aquatic environment. Class 1 noxious listing prohibits sale and possession, Class 2 prohibits sale but allows possession in fully contained aquaria, and Class 3 allows sale and possession.

## What should I do with any noxious fish that I have?

A number of ornamental fish species that were previously traded by the aquarium industry, aquarium enthusiasts or hobbyists are now prohibited from being sold and/or being in your possession.

Compliance with the new NSW Noxious Fish List is mandatory by law. However NSW Department of Primary Industries (NSW DPI) is providing a six month advisory period, which commenced on 1 March 2015 to provide time for ornamental fish owners to comply with the new additions to the NSW Noxious Fish List (Note: advisory period is ONLY for the new listings as highlighted in BLUE in the tables inside this brochure).



Tilapia, *Oreochromis mossambicus* (Photo: Qld DAFF)

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### Class 1

# NSW Noxious Fish List – 6 February 2015

Common name	Species
	<i>Acestrorhynchus microlepis</i> (Acestrorhynchidae family)
Pike characin, giant tigerfish	<i>Hydrocynus</i> spp. (Alestiidae family)
Lake sturgeon	<i>Acipenser fulvescens</i> (Acipenseridae family)
Shortnose sturgeon	<i>Acipenser brevirostrum</i> (Acipenseridae family)
Persian sturgeon	<i>Acipenser persicus</i> (Acipenseridae family)
Chinese sturgeon	<i>Acipenser sinensis</i> (Acipenseridae family)
European sturgeon	<i>Acipenser sturio</i> (Acipenseridae family)
Sterlet	<i>Acipenser ruthenus</i> (Acipenseridae family)
Yangtze sturgeon	<i>Acipenser dabryanus</i> (Acipenseridae family)
Green sturgeon	<i>Acipenser medirostris</i> (Acipenseridae family)
Sakhalin sturgeon	<i>Acipenser mikadoi</i> (Acipenseridae family)
Adriatic sturgeon	<i>Acipenser naccarii</i> (Acipenseridae family)
Atlantic sturgeon	<i>Acipenser oxyrinchus oxyrinchus</i> (Acipenseridae family)
Baikal sturgeon	<i>Acipenser baerii baicalensis</i> (Acipenseridae family)
Siberian sturgeon	<i>Acipenser baerii baerii</i> (Acipenseridae family)
Russian sturgeon	<i>Acipenser gueldenstaedtii</i> (Acipenseridae family)
White sturgeon	<i>Acipenser transmontanus</i> (Acipenseridae family)
Fringebarbel sturgeon	<i>Acipenser nudiiventris</i> (Acipenseridae family)
Amur sturgeon	<i>Acipenser schrenckii</i> (Acipenseridae family)
Japanese sturgeon	<i>Acipenser multiscutatus</i> (Acipenseridae family)
Gulf sturgeon	<i>Acipenser oxyrinchus desotoi</i> (Acipenseridae family)
Starry sturgeon	<i>Acipenser stellatus</i> (Acipenseridae family)
Beluga	<i>Huso huso</i> (Acipenseridae family)
Bowfin	<i>Amia calva</i> (Amiidae family)
Climbing perch	<i>Anabas testudineus</i> (Anabantidae family)
Gangetic climbing perch	<i>Anabas cobajius</i> (Anabantidae family)
Silverbelly ctenopoma	<i>Ctenopoma argentoventer</i> (Anabantidae family)
Tailspot ctenopoma	<i>Ctenopoma kingsleyae</i> (Anabantidae family)
Manyspined ctenopoma	<i>Ctenopoma multispine</i> (Anabantidae family)
Ocellated labyrinth fish	<i>Ctenopoma muriei</i> (Anabantidae family)
Twospot climbing perch	<i>Ctenopoma nigropannosum</i> (Anabantidae family)
Eyespot ctenopoma	<i>Ctenopoma ocellatum</i> (Anabantidae family)
Mottled ctenopoma	<i>Ctenopoma weeksii</i> (Anabantidae family)
Flatnose catfish	<i>Anaspidoglanis macrostoma</i> (Bagridae family)
Ubangi shovelnose catfish	<i>Bagrus ubangensis</i> (Bagridae family)
Red swamp crayfish	<i>Procambarus clarkii</i> (Cambaridae family)
	Centrarchidae family
Snook	<i>Centropomus</i> spp. (Centropomidae family)
Forktail lates	<i>Lates microlepis</i> (Centropomidae family)

Common name	Species
Nile perch	<i>Lates niloticus</i> (Centropomidae family)
Angler catfish	<i>Chaca bankanensis</i> (Chacidae family)
Burmensis frogmouth catfish	<i>Chaca burmensis</i> (Chacidae family)
Squarehead catfish	<i>Chaca chaca</i> (Chacidae family)
Snake head	<i>Channa</i> spp. (Channidae family)
	<i>Colossoma</i> spp. (Characidae family)
Banded tetra	<i>Astyanax aeneus</i> (Characidae family)
Banded astyanax	<i>Astyanax fasciatus</i> (Characidae family)
Redeye piranha	<i>Serrasalmus</i> spp. (Characidae family)
Red piranha	<i>Pygocentrus</i> spp. (Characidae family)
Giant cichlid, yellow belly cichlid	<i>Boulengerochromis microlepis</i> (Cichlidae family)
Tilapia	<i>Oreochromis</i> spp. (Cichlidae family)
Banded jewelfish	<i>Hemichromis fasciatus</i> (Cichlidae family)
Pink happy, slender happy, cunene happy, green happy	<i>Sargochromis</i> spp. (Cichlidae family)
Blackchin tilapia	<i>Sarotherodon</i> spp. (Cichlidae family)
	<i>Serranochromis</i> spp. (Cichlidae family)
Redbelly tilapia	<i>Tilapia</i> spp. (except <i>T. buttikoferi</i> ) (Cichlidae family)
African pike-characin, tubenose poacher, fin eater	<i>Ichthyborinae</i> subfamily (Citharinidae family)
Walking catfish	<i>Clarias</i> spp. (Clariidae family)
Weatherloach, oriental weatherloach	<i>Misgurnus anguillicaudatus</i> (Cobitidae family)
Bighead carp	<i>Aristichthys nobilis</i> (Cyprinidae family)
Copper mahseer	<i>Barbodes hexagonolepis</i> (Cyprinidae family)
Catla	<i>Catla catla</i> (Cyprinidae family)
Giant barb	<i>Catlocarpio siamensis</i> (Cyprinidae family)
Mrigal	<i>Cirrhinus cirrhosus</i> (Cyprinidae family)
Grass carp	<i>Ctenopharyngodon idella</i> (Cyprinidae family)
Orangefin labeo	<i>Labeo calabasu</i> (Cyprinidae family)
Rohu	<i>Labeo rohita</i> (Cyprinidae family)
Roach	<i>Rutilus rutilus</i> (Cyprinidae family)
Tench	<i>Tinca tinca</i> (Cyprinidae family)
Freshwater minnow	<i>Zacco platypus</i> (Cyprinidae family)
Silver carp	<i>Hypophthalmichthys molitrix</i> (Cyprinidae family)
River carp, deccan mahseer, highbacked mahseer, junga mahseer, Thai mahseer	<i>Tor</i> spp. (Cyprinidae family)
Shiner	<i>Notropis</i> spp. (Cyprinidae family)
Southern redbelly dace	<i>Phoxinus erythrogaster</i> (Cyprinidae family)

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NSW Noxious Fish List – 6 February 2015

Common name	Species
	<i>Himantura kittipongi</i> (Dasyatidae family)
Marbled freshwater whip ray	<i>Himantura krempfi</i> (Dasyatidae family)
Marbled whipray	<i>Himantura oxyrhyncha</i> (Dasyatidae family)
Ripsaw catfish, black doras, black shielded catfish	<i>Oxydoras</i> spp. (Doradidae family)
Black striped mussel	<i>Mytilopsis</i> spp. (Dreissenidae family)
Pygmy sunfish	<i>Elassoma</i> spp. (Elassomatidae family)
Giant bully	<i>Gobiomorphus gobioides</i> (Eleotridae family)
Sentani gudgeon	<i>Oxyeleotris heterodon</i> (Eleotridae family)
	<i>Oxyeleotris urophthalmoides</i> (Eleotridae family)
	<i>Oxyeleotris siamensis</i> (Eleotridae family)
Yellowbelly gudgeon	<i>Allomogurnda nesolepis</i> (Eleotridae family)
Pacific sleeper	<i>Dormitator maculatus</i> (Eleotridae family)
	<i>Dormitator lebretonis</i> (Eleotridae family)
Large scaled spiny cheek sleeper	<i>Eleotris amblyopsis</i> (Eleotridae family)
Sandwich Island Sleeper	<i>Eleotris sandwicensis</i> (Eleotridae family)
Bigmouth sleeper	<i>Gobiomorus dormitor</i> (Eleotridae family)
	<i>Oxyeleotris urophthalmus</i> (Eleotridae family)
Redfin bully	<i>Gobiomorphus huttoni</i> (Eleotridae family)
	<i>Gobiomorus maculatus</i> (Eleotridae family)
Tropical carp-gudgeon	<i>Hypseleotris cyprinoides</i> (Eleotridae family)
	<i>Hypseleotris tohizonae</i> (Eleotridae family)
Pacific fat sleeper	<i>Dormitator latifrons</i> (Eleotridae family)
Marble goby	<i>Oxyeleotris marmorata</i> (Eleotridae family)
	<i>Erythrinus</i> spp. (Erythrinidae family)
Aimira	<i>Hoplerythrinus</i> spp. (Erythrinidae family)
Trahira	<i>Hoplias</i> spp. (Erythrinidae family)
Pike	<i>Esox</i> spp. (Esocidae family)
Ninespine stickleback	<i>Pungitius pungitius</i> (Gasterosteidae family)
Four spined stickleback	<i>Apeltes quadracus</i> (Gasterosteidae family)
	<i>Culaea inconstans</i> (Gasterosteidae family)
Yellowfin goby	<i>Acanthogobius flavimanus</i> (Gobiidae family)
Trident goby, chameleon goby, striped goby, Japanese goby	<i>Tridentiger trigonocephalus</i> (Gobiidae family)
Aba aba	<i>Gymnarchus niloticus</i> (Gymnarchidae family)
Electric eel	<i>Electrophorus electricus</i> (Gymnotidae family)
African pike	<i>Hepsetus odoe</i> (Hepsetidae family)
Stinging catfish	<i>Heteropneustes fossilis</i> (Heteropneustidae family)
Snail bullhead	<i>Ameiurus brunneus</i> (Ictaluridae family)
White catfish	<i>Ameiurus catus</i> (Ictaluridae family)
Black bullhead	<i>Ameiurus melas</i> (Ictaluridae family)

Common name	Species
Yellow bullhead	<i>Ameiurus natalis</i> (Ictaluridae family)
Brown bullhead	<i>Ameiurus nebulosus</i> (Ictaluridae family)
Flat bullhead	<i>Ameiurus platycephalus</i> (Ictaluridae family)
Spotted bullhead	<i>Ameiurus serracanthus</i> (Ictaluridae family)
Balsas catfish	<i>Ictalurus balsanus</i> (Ictaluridae family)
Lerma catfish	<i>Ictalurus dugesii</i> (Ictaluridae family)
Blue catfish	<i>Ictalurus furcatus</i> (Ictaluridae family)
Headwater catfish	<i>Ictalurus lupus</i> (Ictaluridae family)
Rio Verde catfish	<i>Ictalurus mexicanus</i> (Ictaluridae family)
Chapala catfish	<i>Ictalurus ochotereni</i> (Ictaluridae family)
Channel catfish	<i>Ictalurus punctatus</i> (Ictaluridae family)
Yaqui catfish	<i>Ictalurus pricei</i> (Ictaluridae family)
Ozark madtom	<i>Noturus albatel</i> (Ictaluridae family)
Smoky madtom	<i>Noturus baileyi</i> (Ictaluridae family)
Chucky madtom	<i>Noturus crypticus</i> (Ictaluridae family)
Elegant madtom	<i>Noturus elegans</i> (Ictaluridae family)
Mountain madtom	<i>Noturus eleutherus</i> (Ictaluridae family)
Slender madtom	<i>Noturus exilis</i> (Ictaluridae family)
Saddled madtom	<i>Noturus fasciatus</i> (Ictaluridae family)
Checkered madtom	<i>Noturus flavater</i> (Ictaluridae family)
Yellowfin madtom	<i>Noturus flavipinnis</i> (Ictaluridae family)
Stonecat	<i>Noturus flavus</i> (Ictaluridae family)
Black madtom	<i>Noturus funebris</i> (Ictaluridae family)
Carolina madtom	<i>Noturus furiosus</i> (Ictaluridae family)
Orangefin madtom	<i>Noturus gilberti</i> (Ictaluridae family)
	<i>Noturus gladiator</i> (Ictaluridae family)
Tadpole madtom	<i>Noturus gyrinus</i> (Ictaluridae family)
Least madtom	<i>Noturus hildebrandi hildebrandi</i> (Ictaluridae family)
	<i>Noturus hildebrandi lautus</i> (Ictaluridae family)
Margined madtom	<i>Noturus insignis</i> (Ictaluridae family)
Ouachita madtom	<i>Noturus lachneri</i> (Ictaluridae family)
Speckled madtom	<i>Noturus leptacanthus</i> (Ictaluridae family)
Black River madtom	<i>Noturus maydeni</i> (Ictaluridae family)
Brindled madtom	<i>Noturus miurus</i> (Ictaluridae family)
Frecklebelly madtom	<i>Noturus munitus</i> (Ictaluridae family)
Freckled madtom	<i>Noturus nocturnus</i> (Ictaluridae family)
Brown madtom	<i>Noturus phaeus</i> (Ictaluridae family)
Neosho madtom	<i>Noturus placidus</i> (Ictaluridae family)
Pygmy madtom	<i>Noturus stanauli</i> (Ictaluridae family)
Northern madtom	<i>Noturus stigmatosus</i> (Ictaluridae family)
Caddo madtom	<i>Noturus taylori</i> (Ictaluridae family)
Scioto madtom	<i>Noturus trautmani</i> (Ictaluridae family)
Flathead catfish	<i>Pylodictis olivaris</i> (Ictaluridae family)

# NSW Noxious Fish List – 6 February 2015

Common name	Species
Twospot lebiasina	<i>Lebiasina bimaculata</i> (Lebiasinidae family)
South American lungfish	<i>Lepidosiren paradoxa</i> (Lepidosirenidae family)
American gar, armoured gar	<i>Atractosteus</i> spp. (excluding <i>Atractosteus spatula</i> ) (Lepisosteidae family)
Electric catfish	<i>Malapterurus</i> spp. (Malapteruridae family)
Cornish jack	<i>Mormyrops anguilloides</i> (Mormyridae family)
	<i>Helicophagus leptorhynchus</i> (Pangasiidae family)
	<i>Helicophagus waandersii</i> (Pangasiidae family)
	<i>Pangasius nieuwenhuisii</i> (Pangasiidae family)
Mekong giant catfish	<i>Pangasianodon gigas</i> (Pangasiidae family)
	<i>Pangasius conchophilus</i> (Pangasiidae family)
	<i>Pangasius elongatus</i> (Pangasiidae family)
	<i>Pangasius krempfi</i> (Pangasiidae family)
	<i>Pangasius kunyit</i> (Pangasiidae family)
Yellowtailed catfish	<i>Pangasius pangasius</i> (Pangasiidae family)
	<i>Pangasius nasutus</i> (Pangasiidae family)
Spot pangasius	<i>Pangasius larnaudii</i> (Pangasiidae family)
	<i>Pangasius macronema</i> (Pangasiidae family)
Redfin perch	<i>Perca fluviatilis</i> (Percidae family)
Knife-edged livebearer	<i>Alfaro cultratus</i> (Poeciliidae family)
	<i>Alfaro huberi</i> (Poeciliidae family)
Twospot livebearer	<i>Heterandria bimaculata</i> (Poeciliidae family)
Pike minnow, pike killifish	<i>Belonesox belizanus</i> (Poeciliidae family)
Mosquitofish	<i>Gambusia</i> spp. (excluding <i>Gambusia holbrooki</i> ) (Poeciliidae family)
Eastern gambusia	<i>Gambusia holbrooki</i> (all waters except greater Sydney region) (Poeciliidae family)
	<i>Tomeurus gracilis</i> (Poeciliidae family)
Mississippi paddlefish	<i>Polyodon spathula</i> (Polyodontidae family)
Chinese swordfish	<i>Psephurus gladius</i> (Polyodontidae family)

The advisory period ends on 31 August 2015 and compliance for the newly listed species will be enforced from this date

Ornamental fish owners are required to destroy any noxious fish they have using suitable humane methods as advised by the Animal Welfare Branch of NSW DPI. Approved methods are percussive stunning and ice slurry. Search for *welfare of fish* at [www.dpi.nsw.gov.au](http://www.dpi.nsw.gov.au) for more information. Noxious fish should then be disposed of by burying away from any water source, or in a secure disposal unit.

Common name	Species
Reedfish	<i>Erpetoichthys calabaricus</i> (Polypteridae family)
European green crab, green shore crab	<i>Carcinus maenas</i> (Portunidae family)
Discus ray	<i>Paratrygon aiereba</i> (Potamotrygonidae family)
African lungfish	<i>Protopterus annectens</i> (Protopteridae family)
Slender lungfish	<i>Protopterus dolloi</i> (Protopteridae family)
Marbled lungfish	<i>Protopterus aethiopicus</i> (Protopteridae family)
Gilled lungfish	<i>Protopterus amphibius</i> (Protopteridae family)
Opal pearlfish	<i>Leptolebias opalescens</i> (Rivulidae family)
	<i>Leptolebias aureoguttatus</i> (Rivulidae family)
Marbled pearlfish	<i>Leptolebias marmoratus</i> (Rivulidae family)
Barred tail pearlfish	<i>Leptolebias minimus</i> (Rivulidae family)
Shoulderspot catfish	<i>Schilbe marmoratus</i> (Schilbeidae family)
Silver butter catfish	<i>Schilbe intermedius</i> (Schilbeidae family)
African butter catfish	<i>Schilbe mystus</i> (Schilbeidae family)
European catfish, wels catfish	<i>Silurus</i> spp. (Siluridae family)
Pantanal parasitic catfish	<i>Paravandelia oxyptera</i> (Trichomycteridae family)
Valencia toothcarp	<i>Valencia hispanica</i> (Valenciidae family)

## Class 2

Barred grunter, banded grunter	<i>Amniataba percoides</i> (Terapontidae family)
Pacific oyster	<i>Crassostrea gigas</i> (Ostreidae family) in estuarine and ocean waters (other than Port Stephens)
Speckled mosquitofish, dusky millions fish	<i>Phalloceros caudimaculatus</i> (Poeciliidae family)

## Class 3

European carp, common carp, carp, ornamental koi carp	<i>Cyprinus carpio</i> (Cyprinidae family)
Eastern gambusia	<i>Gambusia holbrooki</i> (Poeciliidae family) in the greater Sydney region

## Will more species be listed as noxious?

As part of the National Strategy the assessment of a number of species is continuing. Following this assessment it is likely that additional species will be added to the National Noxious Fish List and be declared noxious in NSW. Further updates will be available as this process continues.

This brochure is also available in Cambodian, Vietnamese, Japanese and simple and traditional Chinese. Please contact us using the details below if you would like brochures in any of these languages.

Web: [www.dpi.nsw.gov.au/biosecurity](http://www.dpi.nsw.gov.au/biosecurity)  
(go to Aquatic Biosecurity)  
E-mail: [aquatic.pests@dpi.nsw.gov.au](mailto:aquatic.pests@dpi.nsw.gov.au)  
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Primary Industries