

## DEPARTMENT OF ENVIRONMENTAL AFFAIRS

NO. 115

16 FEBRUARY 2018

## NATIONAL ENVIRONMENTAL MANAGEMENT: BIODIVERSITY ACT 2004 (ACT NO. 10 OF 2004)

## DRAFT AMENDMENTS TO THE ALIEN AND INVASIVE SPECIES LISTS

I Bomo Edith Edna Molewa, Minister of Environmental Affairs, hereby publishes for public comment, the following amendments to the Alien and Invasive Species lists published in *Government Gazette* 40166 Notice 864 of 29 July 2016 published in terms of sections 66(1), 70(1)(a), 71(3) and 71A of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) as set out in the Schedule hereto.

Any person who wishes to submit representations or comments in connection with the draft lists are invited to do so within thirty (30) days from the date of the publication of the notice in the *Government Gazette* and by no later than 16h00 on the last day of comment. Comments received after this time may not be considered. All representations and comments must be submitted in writing to the Deputy Director-General of the Department of Environmental Affairs, Branch Environmental Programmes:

**By hand to:** The Deputy Director-General  
Environmental Programmes  
Attention: Dr Guy Preston  
14 Loop Street, Cape Town

**By post to:** Private Bag X4390.  
**CAPE TOWN**  
8001

**By email to** [NembaRegs@environment.gov.za](mailto:NembaRegs@environment.gov.za)

**Enquiries:** Ms. Nomahlubi Geja at Tel: 021 441-2791 / 2707



**BOMO EDITH EDNA MOLEWA**  
**MINISTER OF ENVIRONMENTAL AFFAIRS**

**SCHEDULE**

Notices 1 and 2 and the front page of Notice 3 are being replaced with the proposed drafts below.

Notice 4 is proposed for deletion and any prohibited alien species which may be invasive have been included in Notice 3.

In relation to the listed species in Notice 3, only those species where amendments are proposed or where new species have been added to the Lists are detailed below. Where current listed species are proposed for deletion from the lists this is detailed in a separate section below.

After the public comment phase, a final complete list of Alien and Invasive species will be published including the final amendments after consideration of the comments. That final list will replace the current Alien and invasive Species Lists published in *Government Gazette* 40166 Notice 864 of 29 July 2016.

<b>NOTICES AND LISTS IN TERMS OF SECTIONS 66(1), 67(1), 70(1)(a), 71(3) and 71A</b>
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**Notice 1:** Notice in respect of Categories 1a, 1b, 2 and 3, Listed Invasive Species, in terms of which certain Restricted Activities are prohibited in terms of section 71A(1); exempted in terms of section 71(3); require a Permit in terms of section 71(1)

**Notice 2: Exempted Alien Species** in terms of section 66(1).

**Notice 3: National Lists of Invasive Species** in terms section 70(1).

List 1:	National List of Invasive Terrestrial and Fresh-water Plant Species	
List 2:	National List of Invasive Marine Plant Species	
List 3:	National List of Invasive Mammal Species	
List 4:	National List of Invasive Bird Species	
List 5:	National List of Invasive Reptile Species	
List 6:	National List of Invasive Amphibian Species	
List 7:	National List of Invasive Fresh-water Fish Species	
	National List of Invasive Marine Fish Species	
List 8:	National List of Invasive Terrestrial Invertebrate Species	
List 9:	National List of Invasive Fresh-water Invertebrate Species	
List 10:	National List of Invasive Marine Invertebrate Species	
List 11:	National List of Invasive Microbial Species	

**Notice 4: Prohibited Speceis** published in Government Gazette 40166 Notice 864 of 29 July 2016 is hereby repealed.

**These notices must be read together with the Alien and Invasive Species Regulations. Any word or phrase defined in the Alien and Invasive Species Regulations shall have the same meaning in these notices.**

**These notices shall take effect 30 days from date of publication in the Gazette.**

**These notices replace and repeal any Alien and Invasive Species lists published under the Act including Government Gazette 40166 Notice 864 of 29 July 2016.**

## NOTICE 1:

**NOTICE IN RESPECT OF CATEGORIES 1a, 1b, 2 AND 3 LISTED INVASIVE SPECIES, IN TERMS OF WHICH CERTAIN RESTRICTED ACTIVITIES ARE PROHIBITED IN TERMS OF SECTION 71A(1); EXEMPTED IN TERMS OF SECTION 71(3); REQUIRE A PERMIT IN TERMS OF SECTION 71(1)**

Where the scientific name of any listed species changes or there is a spelling error in the scientific name, the common name of the species takes precedence and determines whether a particular species is listed or not.

Categories 1a, 1b, 2 and 3 Listed Invasive Species, in terms of which certain Restricted Activities are—

- (a) prohibited in terms of section 71A(1);
  - (b) exempted in terms of section 71(3); or
  - (c) require a Permit in terms of Chapter 7.
- and must be read with the lists in Notice 3.

“**catchment**”, in relation to a watercourse or watercourses or part of a watercourse, means the area from which any rainfall will drain into the watercourse or watercourses or part of a watercourse, through surface flow to a common point or common points;

“**cultivation**”, in relation to land, means any act by means of which the topsoil is disturbed mechanically;

“**discrete catchment systems**” means all inland water bodies, whether fresh or saline, including rivers, lakes, dams, wetlands and estuaries, that are within a catchment that is separated from other catchments;

“**untransformed land**” means land that has not been altered from its natural state, or land that is used for natural grazing, and including land in its natural state that has been degraded by factors such as soil erosion, over-grazing, over-burning, flooding, invasive species and bush encroachment; and

“**watercourse**” shall have the meaning assigned to it in the National Water Act, 1998 (Act No. 36 of 1998).

**General exemption of listed invasive species:**

1. All dead specimens of any listed invasive species are exempted from requiring a Permit for any restricted activity.
2. Notwithstanding any prohibition in Notice 1 or Notice 3 below, but subject to paragraph 1 above, any person in possession of a listed invasive plant species which is utilised as biomass is hereby exempted from requiring a permit for and may undertake the restricted activities of:
  - (a) conveying, moving or otherwise translocating any specimen of a listed invasive plant species; and

- (b) selling or otherwise trading in, buying, receiving, giving, donating or accepting as a gift, or in any way acquiring or disposing of any specimen of a listed invasive plant species;  
provided such person complies with any norms and standards relating to biomass, published in terms of the Act.
3. Notwithstanding any prohibition in Notice 1 or Notice 3, any person conveying, moving or otherwise translocating any specimen of a listed invasive species for disposal or treatment as waste, is hereby exempted from requiring a permit for and may undertake such restricted activity, provided such person complies with any norms and standards relating to disposal of listed invasive species, published in terms of the Act.
4. Notwithstanding any prohibition in Notice 1 or Notice 3 below, any authorised official, is hereby exempted from requiring a permit for and may undertake any restricted activity necessary to perform their functions in terms of the Act or the National Environmental Management Act.
5. An extension to a plantation is exempted from undertaking a risk assessment in terms of section 71(2) of the Act, prior to applying for a permit in terms of the Act and Alien and Invasive Species Regulations, 2014, provided the application for an environmental authorisation in terms of the National Environmental Management Act included an invasive species risk assessment.

**Note that the species-specific exemptions and prohibitions in Notice 3 take precedence over Notice 1, in the event of any conflict.**

<b>Restricted Activities as defined in the Act</b>	<b>Category 1a</b>	<b>Category 1b</b>	<b>Category 2</b>	<b>Category 3</b>
a. Importing into the Republic, including introducing from the sea, any specimen of a listed invasive species.	Prohibited	Prohibited	Permit Required	Prohibited
b. Having in possession or exercising physical control over any specimen of a listed invasive species.	Exempted	Exempted	Permit Required	Exempted
c. Growing, breeding or in any other way propagating any specimen of a listed invasive species, or causing it to multiply.	Prohibited	Prohibited	Permit Required	Prohibited
d. Conveying, moving or otherwise translocating any specimen of a listed invasive species.	Prohibited	Prohibited	Permit Required	Prohibited
e. Selling or otherwise trading in, buying, receiving, giving, donating or accepting as a gift, or in any way acquiring or disposing of any specimen of a listed invasive species.	Prohibited	Prohibited	Permit Required	Prohibited
<b>Restricted Activities as defined in Regulation 6</b>				
f. Spreading or allowing the spread of any specimen of a listed invasive species.	Prohibited	Prohibited	Permit Required	Prohibited

g. Releasing any specimen of a listed invasive species.	Prohibited	Prohibited	Permit Required	Prohibited
h. The transfer or release of a specimen of a listed invasive fresh-water species from one discrete catchment system in which it occurs, to another discrete catchment system in which it does not occur; or, from within a part of a discrete catchment system where it does occur to another part where it does not occur as a result of a natural or artificial barrier.	Prohibited	Prohibited	Permit Required	Prohibited
i. Discharging of or disposing into any waterway or the ocean, water from an aquarium, tank or other receptacle that has been used to keep a specimen of an alien or a listed invasive species.	Prohibited	Prohibited	Permit Required	Prohibited
j. Catch and release of a specimen of a listed invasive fresh-water fish or listed invasive fresh-water invertebrate species.	Prohibited	See Notice 3	See Notice 3	See Notice 3
k. The introduction of a specimen of an alien or a listed invasive species to off-shore islands.	Prohibited	Prohibited	Prohibited	Prohibited
l. The release of a specimen of a listed invasive fresh-water fish species, or of a listed invasive fresh-water invertebrate species, into a discrete catchment system in which it already occurs.	See Notice 3	See Notice 3	See Notice 3	See Notice 3

**NOTICE 2:****NOTICE IN TERMS OF SECTION 66(1) – EXEMPTED ALIEN SPECIES**

1. The following categories of alien species that are within the Republic when this Notice comes into effect, are exempted from the provisions of section 65(1) of the Act:
  - a. Dead specimens of any alien species, including:
    - (i) dead specimens imported, kept, or removed from one area to another as taxonomic reference specimen; and
    - (ii) dead specimens used as derivatives in products, including food, cosmetics and detergents.
  - b. Subject to e, any alien species that has been legally introduced into the Republic, or was introduced into the Republic prior to any legal requirement for such introduction, for agricultural purposes, and any new cultivar, variety, or hybrid of any species legally imported for agricultural purposes (excluding those which are already listed as invasive).
  - c. Subject to e, any alien species, other than an alien species introduced for agricultural purposes as contemplated in paragraph (b) above, that has been legally introduced into the Republic, or was introduced into the Republic prior to any legal requirement for such introduction, prior to the commencement of this Notice.
  - d. Any invasive species listed in terms of section 70(1)(a) of the Act.
  - e. All alien fresh-water fish, except for the release of alien freshwater fish into rivers, wetlands, natural lakes and estuaries.
2. The following categories of alien species that are not within the Republic when this Notice comes into effect and comes into the Republic from outside of the Republic are exempted from the provisions of section 65(1) of the Act:
  - a. Any alien species that-
    - (i) has been subjected to a risk assessment and authorised for importation in terms of the Act; and
    - (ii) is listed in a register of alien species legally imported into the Republic for the first time after the date of publication of the Alien and Invasive Species Regulations, 2014 and this Notice, which register is established and maintained by the Institute.
  - b. Dead specimens of any alien species including:
    - (i) dead specimens imported, kept, or removed from one area to another as taxonomic reference specimens; and
    - (ii) dead specimens used as derivatives in products, including food, cosmetics and detergents.
  - c. Any invasive species listed in terms of section 70(1)(a) of the Act.

## NOTICE 3:

## NATIONAL LIST OF INVASIVE SPECIES IN TERMS SECTION 70(1)(a)

In this Notice and where elsewhere referred to in this Government Notice:

“**dormant plantation**” means a plantation that has not been operational, functioning as a plantation or does not have a valid authorisation in terms of section 22(1)(a) or (b) of the National Water Act, 1998 (Act No. 36 of 1998) for a period of 10 years and where no reasonable attempt has been made to clear any listed invasive species from that location;

“**exempted for an existing plantation**” means an existing plantation is exempted from requiring a permit for that specific species for any restricted activity in terms of the Act or the Alien and Invasive Species Regulations, 2014, if such plantation is authorised in terms of section 22(1)(a) or (b) of the National Water Act, 1998 (Act No. 36 of 1998);

“**existing plantation**” means any plantation which was operational, functioning and authorised to grow a specific listed invasive species in terms of section 22(1)(a) or (b) of the National Water Act, 1998 (Act No. 36 of 1998) when this Notice comes into effect and does not include:

- (a) any extension to a plantation;
- (b) any new plantation; or
- (c) any dormant plantation

which is established or recommissioned after the commencement of this Notice;

“**extension to a plantation**” means the increase of the area of a plantation beyond the limits, area or location specified in-

- (a) a permit issued in terms of the Act or the Alien and Invasive Species Regulations, 2014; or
- (b) an authorisation in terms of section 22(1)(a) or (b) of the National Water Act, 1998 (Act No. 36 of 1998); and

the size of such extension will trigger the requirement to obtain an environmental authorisation in terms of the National Environmental Management Act;

“**facility**” means any trout hatchery, or trout aquaculture facility, which has a valid permit issued in terms of section 71(1) of the Act and Alien and Invasive Species Regulations for activities d, e and g, in Notice 1;

“**industry association**” means any organisation representing a person or facility in the trout sector, which has a valid permit issued in terms of section 71(1) of the Act and Alien and Invasive Species Regulations, for activities d, e and g, in Notice 1; and

“**urban area**” means the area within the proclaimed urban edge, as delineated in the Municipal Spatial Development Framework in terms of the Spatial Land Use Management Act, 2013 (Act No. 16 of 2013).



### 1. AMENDMENTS TO THE ALIEN AND INVASIVE SPECIES LISTS

The following species in Notices 3 have been amended by either amending the area, categorisation, the type of exemption or prohibition or correcting the common name or scientific name of the species.

New species which are proposed to be added to the Lists are in bold and indicated as NEW in the left margin.

#### List 1: National list of Invasive Terrestrial and Fresh-water Plant Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
	<i>Ammophila arenaria</i> (L.) Link	Marram grass	a. 2 Western Cape b. 3 elsewhere	
<b>NEW</b>	<b><i>Cabomba species</i></b>	<b>Cabomba species</b>	<b>1a</b>	
	<i>Canna indica</i> L.	Indian shot	1b	
	<i>Cestrum</i> species not specifically listed	<i>Cestrum</i> species	3	
	<i>Coreopsis lanceolata</i> L.	Tickseed	1a	
	<i>Cortaderia selloana</i> (Schult.) Asch. & Graebn.	Pampas grass	1b	
<b>NEW</b>	<b><i>Cynodon dactylon</i> (L.) Pers.</b>	<b>Bermuda grass, common couch</b>	<b>2</b>	
<b>NEW</b>	<b><i>Cyphomandra betacea</i> Cav.</b>	<b>Tree tomato</b>	<b>3</b>	
	<i>Fraxinus americana</i> L.	American ash, white ash	a. 3 in Eastern Cape, KwaZulu-Natal, Limpopo, Mpumalanga and Western Cape. b. Not listed elsewhere.	
	<i>Gleditsia triacanthos</i> L.	Honey locust	1b	
	<i>Hakea salicifolia</i> (Vent.) B.L.Burtt	Willow hakea	a. 1a in Western Cape.	

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
			b. Not listed elsewhere.	
	<i>Ipomoea indica</i> (Burm.) Merr. (= <i>I. congesta</i> R.Br.)	Blue morning glory	1b	
	<i>Ipomoea purpurea</i> (L.) Roth	Purple morning glory	1b	
NEW	<b>Leptospermum scoparium</b> J.R. Forst. & G. Forst.	<b>Manuka myrtle, Manukamirt, New Zealand tea tree</b>	3	
	<i>Ligustrum lucidum</i> W.T. Aiton	Chinese wax-leaved privet	a. 1b in Eastern Cape, KwaZulu-Natal, Limpopo, Mpumalanga, North-West and Western Cape. b. 3 in Free State, Gauteng and Northern Cape.	
	<i>Limonium sinuatum</i> (L.) Mill.	Statice, Sea lavender	a. 1b in Northern Cape and Western Cape. b. Not listed elsewhere.	
NEW	<b>Lolium multiflorum</b> Lam.	<b>Italian ryegrass</b>	2	
NEW	<b>Lolium perenne</b> L.	<b>Perennial ryegrass</b>	2	
NEW	<b>Lonicera japonica</b> Thunb. 'Halliana'	<b>Japanese honeysuckle</b>	3	
	<i>Metrosideros excelsa</i> Sol. ex Gaertn. (= <i>M. tomentosa</i> A.Rich.)	New Zealand Christmas tree	a. 1a in the Overstrand District. b. Not listed elsewhere.	
	<i>Morus alba</i> L.	White mulberry, Common mulberry	a. 3 b. The fruit of the white mulberry is not listed if used for human consumption	
NEW	<b>Morus nigra</b> L.	<b>Black mulberry</b>	3	
	<i>Nephrolepis cordifolia</i> (L.) C.Presl (= <i>Polypodium cordifolium</i> L.)	Erect sword fern, Ladder sword fern	a. 1b in Eastern Cape, KwaZulu-Natal, Mpumalanga, Limpopo and Western Cape. b. 3 in Free State, Gauteng, North-West and Northern Cape.	
	<i>Nerium oleander</i> L.	Oleander	1b	
NEW	<b>Oenothera indecora</b> Cambess.	<b>Evening primrose</b>	3	

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
NEW	<i>Oenothera rosea</i> L'Herit. ex Alton	Pink evening primrose	3	
NEW	<i>Oenothera stricta</i> Ledeb. ex Link <i>Pinus elliotii</i> Engelm. and hybrids, varieties and selections	Sweet sundrop Slash pine	3 2	Exempted for an existing plantation
	<i>Pinus pinaster</i> Aiton and hybrids, varieties and selections	Cluster pine	a. 2 for plantations and wind-rows. b. 1b elsewhere. c. National Heritage Trees or National Monument Trees in terms of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), are not listed. d. Except for "a" above, specimens with a circumference greater than 1.256 m at a height of 1000 mm at the date of the first publication of this Notice (August 2014) are not listed for urban areas in Cape Town, the Overberg District Council and Winelands District Council, except i. when in a riparian area, or ii. when in a protected area or any property directly abutting a protected area, or iii. where they are ruled to pose a wildfire risk, where they remain listed as Category 1b. e. All specimens with a smaller circumference are Category 1b.	Exempted for an existing plantation outside of the Western Cape. Existing plantations in the Western Cape are exempted from undertaking a risk assessment in terms of section 71(2) of the Act prior to applying for a permit.
	<i>Pinus radiata</i> D. Don and hybrids, varieties and selections	Radiata pine, Monterey pine	a. 2 for plantations and wind-rows. b. 1b elsewhere. c. National Heritage Trees or National Monument Trees in terms of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), are not listed. d. Except for "a" above, specimens with a circumference greater than 1.256 m at a height of 1000 mm at the date of the first publication of this Notice (August 2014) are not listed for urban areas in Cape Town, the Overberg District Council and Winelands District Council, except	Exempted for an existing plantation outside of the Western Cape. Existing plantations in the Western Cape are exempted from undertaking a risk assessment in terms of section 71(2) of the Act prior to applying for a permit.

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
			i. when in a riparian area, or ii. when in a protected area or any property directly abutting a protected area, or iii. where they are ruled to pose a wildfire risk, where they remain listed as Category 1b. e. All specimens with a smaller circumference are Category 1b.	
	<i>Pyracantha angustifolia</i> (Franch.) C.K.Schneid.	Yellow firethorn	1b	
	<i>Pyracantha coccinea</i> M.Roem.	Red firethorn	1b	
	<i>Pyracantha crenatoserrata</i> (Hance) Rehder (= <i>P. fortuneana</i> misapplied)	Chinese firethorn, Broad leaf firethorn	1b	
	<i>Pyracantha crenulata</i> (D.Don) M.Roem; including var. <i>rogersiana</i> (= <i>P. rogersiana</i> (A.B.Jacks.) Chitt.)	Himalayan firethorn	1b	
	<i>Pyracantha koidzumii</i> (Hayata) Rehder	Formosa firethorn	1b	
	<i>Vinca major</i> L.	Greater periwinkle	1b	

List 3: National List of Invasive Mammal Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
NEW	<i>Bos frontalis</i> Lambert, 1804	Gaur	2	
NEW	<i>Giraffa camelopardalis</i> (Linnaeus, 1758) (all subspecies with the exception of <i>giraffa</i> )	Giraffe (except the South African giraffe)	2	
NEW	<i>Hippotragus niger</i> Harris, 1838 (all subspecies except of <i>H. n. niger</i> )	Sable	2	
	<i>Mus musculus</i> Linnaeus, 1758	House mouse	a. 1a Marion Island b. 1b for off-shore islands c. Not listed elsewhere	
	<i>Sus scrofa</i> Linnaeus, 1758	Wild boar	d. 1b e. Not listed when not feral.	

List 3: National List of Invasive Bird Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
NEW	<i>Oxyura jamaicensis</i> (Gmelin, 1789)	Northern ruddy duck	2	
NEW	<i>Streptopelia picturata</i> (Temminck, 1813)	Madagascar (Malagasy) turtle-dove	2	
NEW	<i>Struthio camelus molybdophanes</i> Reichenow, 1883	North African (Somali) ostrich	2	

List 5: National List of Invasive Reptile Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
	<i>Bitis rhinoceros</i> (Schlegel, 1855)	Rhinoceros viper	a. 2 in KwaZulu-Natal, Mpumalanga, Eastern Cape, and Limpopo. b. Not listed elsewhere.	
	<i>Morelia spilota</i> (Lacépède, 1804)	Carpet/diamond python	2	
	<i>Trachemys</i> species	Turtles / Sliders native to the Americas	2	Restricted activities "a", "c" and "e" to "f" in Notice 1 are prohibited.

List 7: National List of Invasive Fresh-water Fish Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
NEW	<i>Arapaima gigas</i> (Schinz, 1822)	Arapaima	1a	
NEW	<i>Cichla</i> species	Peacock cichlid/Bass	1a	
NEW	<i>Clarias gariepinus</i> (Burchell, 1822)	African sharp-tooth catfish	2	
NEW	<i>Colossoma</i> species	Pacu	1a	
NEW	<i>Electrophorus electricus</i> (Linnaeus, 1766)	Electric eel	1a	
NEW	<i>Hypostomus</i> species	Plecostomus	1a	

NEW	Lates calcarifer (Blotch, 1790)	Barramundi	2	
NEW	<i>Myleus</i> species	Brown metynnis	1a	
NEW	<i>Oncorhynchus kisutch</i> (Walbaum, 1792)	Coho salmon	2	
NEW	<i>Oncorhynchus mykiss</i> (Walbaum, 1792)	Rainbow Trout	2	1. All persons are exempted from requiring a permit for restricted activities b and j in Notice 1.
NEW	<i>Oncorhynchus tshawytscha</i> (Walbaum, 1792)	King salmon	2	
	<i>Oreochromis</i> species excluding <i>Oreochromis mossambicus</i> and <i>Oreochromis placidus</i>	Tilapia	a. 3 b. 2 for permitted aquaculture facilities.	a. Catch and release of tilapia. b. Hybrids of tilapia species are treated as the listed tilapia species. c. The sale and transport of live tilapia is prohibited, except from accredited hatcheries. d. The import of live tilapia is prohibited, except by hatcheries with a permit, or from international hatcheries accredited by the Department of Agriculture, Forestry and Fisheries.
NEW	<i>Pseudocrenilabrus</i> species	Mouthbrooder	1a	

NEW	<i>Pterygoplichthys</i> species (except <i>P. disjunctivus</i> Weber, 1991 already listed under 1b)	Plecos	1a	
NEW	<i>Pygocentrus</i> species	Piranha	1a	
NEW	<i>Roseveitliella</i> species	Piranha	1a	
NEW	<i>Schilbe</i> species (except those that are indigenous to South Africa)	Schilbid catfish	1a	
NEW	<i>Serrasalmus</i> species	Piranha	1a	
NEW	<i>Salmo trutta</i> (Linnaeus, 1758)	Brown Trout	2	1. All persons are exempted from requiring a permit for restricted activities b and j in Notice 1.

List 8: National List of Terrestrial Invasive Invertebrate Species



NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
NEW	<i>Achatina fulica</i> Bowdich, 1822	Giant African snail	1a	

List 9: National List of Invasive Fresh-water Invertebrate Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
NEW	<i>Orconectes limosus</i> (Rafinesque, 1817)	North American spiny cheek crayfish	1a	
NEW	<i>Orconectes rusticus</i> (Girard, 1852)	Rusty crayfish	1a	
NEW	<i>Pacifastacus leniusculus</i> (Dana, 1852)	North American signal crayfish	1a	

**DELETION OF INVASIVE SPECIES**

The following species listed below are proposed to be deleted from the National Lists in Notice 3 as follows:

List 3: National List of Invasive Mammal Species

NO.	SPECIES	COMMON NAME	CATEGORY / AREA	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
	<i>Diceros bicornis michaeli</i> <a href="#">Zukowsky, 1965</a>	Black rhinoceros (Kenya)	2	

List 4: National List of Invasive Bird Species

NO.	SPECIES	COMMON NAME	CATEGORY	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
	<i>Acridotheres cristatellus</i> (Linnaeus, 1758)	Crested mynah	2	
	<i>Acridotheres fuscus</i> Wagler, 1827	Jungle mynah	2	
	<i>Carduelis</i> (Linnaeus, 1758)	European goldfinch	2	
	<i>Carduelis chloris</i> (Linnaeus, 1758)	European greenfinch	2	
	<i>Carduelis flammea</i> (Linnaeus, 1758)	Common redpoll	2	
	<i>Colinus virginianus</i> (Linnaeus, 1758)	Northern bobwhite quail	2	

NO.	SPECIES	COMMON NAME	CATEGORY	SCOPE OF EXEMPTION FROM THE PROVISIONS OF SECTION 71(3) / PROHIBITION IN TERMS OF SECTION 71A(1)
	<i>Columba palumbus</i> Linnaeus, 1758	Common wood-pigeon	2	
	<i>Dendrocygna eytoni</i> (Eyton, 1838)	Plumed whistling duck	1b	
	<i>Foudia madagascariensis</i> (Linnaeus, 1766)	Madagascar red fody	3	
	<i>Molothrus bonariensis</i> (Gmelin, 1789)	Shiny cowbird	3	
	<i>Pycnonotus jocosus</i> (Linnaeus, 1758)	Red-whiskered bulbul	2	
	<i>Sicalis flaveola</i> (Linnaeus, 1766)	Saffron finch	2	