

**THREATENED SPECIES HAZARD REDUCTION LIST – PART 4 – AQUATIC BIODIVERSITY**

Scientific Name	Common Name	Listed on Fisheries Management Act	Listed on EPBC Act	Species Specific Conditions relating to the use of Fire	Species Specific Conditions relating to Mechanical Forms of Hazard Reduction	Mapping
<i>Euastacus dharawalus</i>	Fitzroy Falls Spiny Crayfish	Critically Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Galaxias rostratus</i>	Flathead Galaxias	Critically Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Galaxias tantangara</i>	Stocky Galaxias	Critically Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Craterocephalus fluviatilis</i>	Murray Hardyhead	Critically Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Point source
<i>Notopala sublineata</i>	Darling River Snail	Critically Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Point source
<i>Notopala hanleyi</i>	Hanley's River Snail	Critically Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Archaeophya adamsi</i>	Adams Emerald Dragonfly	Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Point source
<i>Prototroctes maraena</i>	Australian Grayling	Endangered	Yes	Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Maccullochella ikei</i>	Eastern Freshwater Cod	Endangered	Yes	Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Macquaria australasica</i>	Macquarie Perch	Endangered	Yes	Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Nannoperca oxleyana</i>	Oxleyan Pygmy Perch	Endangered	Yes	Avoid burning and use of foams or retardants within riparian buffer zone widths, and use mosaic burns within Coastal Health Swamps and Coastal Swamp Forests. Liaise with NSW Fisheries on species specific condition.	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Mogurnda adspersa</i>	Purple Spotted Gudgeon	Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Nannoperca australis</i>	Southern Pygmy Perch	Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Maccullochella macquariensis</i>	Trout Cod	Endangered	Yes	Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Austrocordulia leonardi</i>	Sydney Hawk Dragonfly	Endangered		Avoid burning and use of foams or retardants within riparian buffer zone widths. Avoid burning around deep and shaded river pools.	No mechanical works within riparian buffer zone widths	Point source
<i>Austropetalia tonyana</i>	Alpine Redspot Dragonfly	Vulnerable		Avoid burning and use of foams or retardants within riparian buffer zone widths and amongst	No mechanical works within riparian buffer zone widths	Point source

Please Note: This List is to be applied with reference to the "Rules and Notes for the implementation of the Threatened Species Hazard Reduction List for the Bush Fire Environmental Assessment Code". This List was revised on 9th September 2016. For the Species Specific Conditions relating to the use of fire near waterways the words is applied to the distances in the BFEAC table 'Riparian buffer zone widths for burning'. For Mechanical Works the term 'No mechanical works' is applied to the distances in the BFEAC table 'Riparian buffer zones for mechanical works'

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				rocks, logs and moss in the spray zone of alpine waterfalls		
<i>Branchinella buchananensis</i>	Buchanans Fairy Shrimp	Vulnerable		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Point source
<i>Euastacus armatus</i>	Murray Crayfish	Vulnerable		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Bidyanus bidyanus</i>	Silver Perch	Vulnerable		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Ambassis agassizii</i>	Western population of Olive Perchlet	Endangered population		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Gadopsis marmoratus</i>	River blackfish in the Snowy River catchment	Endangered population		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Tandanus tandanus</i>	Eel-tailed Catfish in the Murray Darling Basin	Endangered population		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
<i>Craterocephalus amniculus</i>	Darling River Hardyhead in the Hunter River Catchment	Endangered population		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
	Aquatic ecological community in the natural drainage system of the Lower Murray River Catchment	Endangered ecological community		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
	Aquatic ecological community in the natural drainage system of the lowland catchment of the Darling River.	Endangered ecological community		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
	Aquatic ecological community in the natural drainage system of the lowland catchment of the Lachlan River.	Endangered ecological community		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution
	Snowy River aquatic ecological community	Endangered ecological community		Avoid burning and use of foams or retardants within riparian buffer zone widths	No mechanical works within riparian buffer zone widths	Indicative distribution

Mapping refers to the two sources of spatial data. Indicative distribution mapping (modelling) is described in the report Riches, M., Gilligan, Danaher, K. and Pursey, J. (2016) Fish Communities and Threatened Species Distributions of NSW. NSW Department of Primary Industries. http://www.dpi.nsw.gov.au/data/assets/pdf_file/0007/669589/fish-communities-and-threatened-species-distributions-of-nsw.pdf. Point source mapping is converted into a polygon based on 100 m up and downstream of the records, inclusive of stream branches.

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