<u>Arenaria interpres</u> Ruddy Turnstone	Migratory	Species or species habitat known to occur within area			
<u>Calidris acuminata</u> Sharp-tailed Sandpiper	Migratory	Species or species habitat known to occur within area			
Calidris canutus Red Knot, Knot	Migratory	Species or species habitat known to occur within area			
<u>Calidris ferruginea</u> Curlew Sandpiper	Migratory	Species or species habitat known to occur within area			
<u>Calidris ruficollis</u> Red-necked Stint	Migratory	Species or species habitat known to occur within area			
<u>Calidris tenuirostris</u> Great Knot	Migratory	Species or species habitat known to occur within area			
<u>Charadrius bicinctus</u> Double-banded Plover	Migratory	Species or species habitat known to occur within area			
<u>Charadrius leschenaultii</u> Greater Sand Plover, Large Sand Plover	Migratory	Species or species habitat known to occur within area			
<u>Charadrius mongolus</u> Lesser Sand Plover, Mongolian Plover	Migratory	Species or species habitat known to occur within area			
Gallinago hardwickii Latham's Snipe, Japanese Snipe	Migratory	Species or species habitat known to occur within area			
Heteroscelus brevipes Grey-tailed Tattler	Migratory	Species or species habitat known to occur within area			
<u>Limosa lapponica</u> Bar-tailed Godwit	Migratory	Species or species habitat known to occur within area			
<u>Limosa limosa</u> Black-tailed Godwit	Migratory	Species or species habitat known to occur within area			
Numenius madagascariensis Eastern Curlew	Migratory	Species or species habitat known to occur within area			
<u>Numenius phaeopus</u> Whimbrel	Migratory	Species or species habitat known to occur within area			
<u>Pluvialis fulva</u> Pacific Golden Plover	Migratory	Species or species habitat known to occur within area			
Rostratula benghalensis s. lat. Painted Snipe	Migratory	Species or species habitat may occur within area			
<u>Tringa stagnatilis</u> Marsh Sandpiper, Little Greenshank	Migratory	Species or species habitat known to occur within area			
Migratory Marine Birds					
Apus pacificus Fork-tailed Swift	Migratory	Species or species habitat may occur within area			
Ardea alba Great Egret, White Egret	Migratory	Species or species habitat may occur within area			
Ardea ibis Cattle Egret	Migratory	Species or species habitat may occur within area			
Sterna albifrons Little Tern	Migratory	Species or species habitat may occur within area			
Migratory Marine Species					
Reptiles					
<u>Caretta caretta</u> Loggerhead Turtle	Migratory	Species or species habitat likely to occur within area			
<u>Chelonia mydas</u> Green Turtle	Migratory	Species or species habitat likely to occur within area			
Other Matters Protected by the EPBC Act					
Listed Marine Species [ Dataset Information ]	Status	Type of Presence			
Birds					
Apus pacificus	Listed -	Species or species habitat may occur within			
		10 March 10			

Fork-tailed Swift	overfly marine area	area
Ardea alba Great Egret, White Egret	Listed - overfly marine area	Species or species habitat may occur within area
Ardea ibis Cattle Egret	Listed - overfly marine area	Species or species habitat may occur within area
Arenaria interpres Ruddy Turnstone	Listed	Species or species habitat known to occur within area
<u>Calidris acuminata</u> Sharp-tailed Sandpiper	Listed	Species or species habitat known to occur within area
Calidris canutus Red Knot, Knot	Listed - overfly marine area	Species or species habitat known to occur within area
<u>Calidris ferruginea</u> Curlew Sandpiper	Listed - overfly marine area	Species or species habitat known to occur within area
<u>Calidris melanotos</u> Pectoral Sandpiper	Listed - overfly marine area	Species or species habitat known to occur within area
Calidris ruficollis Red-necked Stint	Listed - overfly marine area	Species or species habitat known to occur within area
<u>Calidris tenuirostris</u> Great Knot	Listed - overfly marine area	Species or species habitat known to occur within area
Charadrius bicinctus Double-banded Plover	Listed - overfly marine area	Species or species habitat known to occur within area
<u>Charadrius Ieschenaultii</u> Greater Sand Plover, Large Sand Plover	Listed	Species or species habitat known to occur within area
<u>Charadrius mongolus</u> Lesser Sand Plover, Mongolian Plover	Listed	Species or species habitat known to occur within area
<u>Charadrius ruficapillus</u> Red-capped Plover	Listed - overfly marine area	Species or species habitat known to occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe	Listed - overfly marine area	Species or species habitat known to occur within area
<u>Haliaeetus leucogaster</u> White-bellied Sea-Eagle	Listed	Species or species habitat likely to occur within area
<u>Heteroscelus brevipes</u> Grey-tailed Tattler	Listed	Species or species habitat known to occur within area
Himantopus himantopus Black-winged Stilt	Listed - overfly marine area	Species or species habitat known to occur within area
Hirundapus caudacutus	Listed -	Species or species habitat may occur within

White-throated Needletail	overfly marine area	area
Lathamus discolor Swift Parrot	Listed - overfly marine area	Species or species habitat may occur within area
<u>Limosa Iapponica</u> Bar-tailed Godwit	Listed	Species or species habitat known to occur within area
Limosa limosa Black-tailed Godwit	Listed - overfly marine area	Species or species habitat known to occur within area
Merops ornatus Rainbow Bee-eater	Listed - overfly marine area	Species or species habitat may occur within area
Monarcha melanopsis Black-faced Monarch	Listed - overfly marine area	Breeding may occur within area
Myiagra cyanoleuca Satin Flycatcher	Listed - overfly marine area	Breeding likely to occur within area
Numenius madagascariensis Eastern Curlew	Listed	Species or species habitat known to occur within area
Numenius phaeopus Whimbrel	Listed	Species or species habitat known to occur within area
Philomachus pugnax Ruff (Reeve)	Listed - overfly marine area	Species or species habitat known to occur within area
<u>Pluvialis fulva</u> Pacific Golden Plover	Listed	Species or species habitat known to occur within area
Recurvirostra novaehollandiae Red-necked Avocet	Listed - overfly marine area	Species or species habitat known to occur within area
Rhipidura rufifrons Rufous Fantail	Listed - overfly marine area	Breeding may occur within area
Rostratula benghalensis s. lat. Painted Snipe	Listed - overfly marine area	Species or species habitat may occur within area
<u>Sterna albifrons</u> Little Tern	Listed	Species or species habitat may occur within area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank	Listed - overfly marine area	Species or species habitat known to occur within area
Reptiles		
<u>Caretta caretta</u> Loggerhead Turtle	Listed	Species or species habitat likely to occur within area
<u>Chelonia mydas</u> Green Turtle	Listed	Species or species habitat likely to occur within area
Commonwealth Lands [ <u>Dataset Information</u> ]		

Communications, Information Technology and the Arts - Telstra Corporation Limited

Defence

Unknown

Places on the RNE [ <u>Dataset Information</u> ] Note that not all Indigenous sites may be listed.

**Historic** 

ASN Hotel (former) NSW

Accountants House NSW

Agar Steps & Adjacent Trees NSW

Agar Steps Houses NSW

Alfreds Terrace NSW

Ammunition Store (former) NSW

Argyle Cut and Argyle Street Space NSW

Argyle House NSW

Argyle Place Park NSW

Argyle Place Precinct NSW

**Argyle Precinct NSW** 

**Argyle Stores NSW** 

Argyle Sub-Station NSW

Argyle Terrace NSW

Australian Hotel NSW

Bakery House and Loft (former) NSW

Bettington and Merriman Streets Group NSW

**Brooklyn Hotel NSW** 

Burns Philp Building (former) NSW

Cadmans Cottage Space NSW

Cadmans Cottage including Grounds and Trees NSW

Cahill Expressway Space NSW

Cambridge Street Precinct NSW

Carlson Terrace NSW

Chamber of Commerce Building (former) NSW

Cleland Bond Store NSW

Clyde Bank NSW

Commercial Buildings NSW

Convicts Dungeon (former) NSW

Cottage NSW

**Cumberland Street Group NSW** 

**Dalgety Terrace NSW** 

Dalgetys Bond Store (former) NSW

Dawes Point Park and Reserve NSW

Drill Hall (former) NSW

ES&A Bank (former) NSW

Edwardian Buildings Group NSW

**Edwardian Commercial Group NSW** 

Erskine Street Watch House Group NSW

Five Storey Building NSW

Fort Street School (former) (western addition) NSW

Four Dwellings and former Shop NSW

Geological and Mining Museum NSW

George Patterson House NSW

George Street / Kendall Lane Precinct NSW

George Street Business Precinct NSW

Georgian Cottage NSW

Georgian Townhouses NSW

Georgian Warehouse (former) NSW

Gloucester Street North Precinct NSW

Gloucester Street North, Gloucester Walk and Escarpment Space NSW

Glover Cottages NSW

Goat Island Ammunition Store Group NSW

Goat Island Precinct NSW

Grafton Bond Store (former) NSW

Guard Room (former) NSW

Guardhouse and Officers Quarters (former) NSW

Harrington Argyle Precinct NSW

Harrington Place Space NSW

Health Commission Building (former) NSW

Hero of Waterloo Hotel NSW

**Hexam Terrace NSW** 

Holy Trinity Anglican Church Hall NSW

House NSW

House NSW

**House NSW** 

Houses NSW

Housing Board Building NSW

Italianate House NSW

Italianate Terrace NSW

Italianate Terrace NSW

Jobbins Terrace NSW

Kent Street Terrace Group East Side NSW

Kent Street Terrace Group West Side NSW

Lilyvale NSW

Linsley Terrace NSW

Longs Lane Precinct NSW

Lord Nelson Hotel NSW

Lower Fort Street West Side Group NSW

Lower Fort Street East Side Group NSW

Maritime Services Board Building (former) NSW

Mercantile Hotel NSW

Merriman Street Precinct NSW

Millers Point Post Office NSW

Milton Terrace NSW

NSW Department of Labour & Industry Building (former) NSW

NSW Government Railway Administrative Building NSW

National Trust Centre NSW

New Metcalfe Bond / George Street Precinct NSW

New Metcalfe Bond NSW

Nicholson Street Public School NSW

Observatory Park NSW

Observer Hotel NSW

Old Training Block, Fort Street School (former) NSW

**Orient Hotel NSW** 

Osborne House NSW

Pair of Neo Classic Town Houses NSW

Pair of Stone Houses NSW

Pair of Stone Houses NSW

Palisade Hotel NSW

Palisade Hotel and adjoining Terraces NSW

Parker Galleries NSW

Playfair, George, Hickson Space NSW

Police Station (former) NSW

Premises NSW

Pyrmont Point Escarpment Face NSW

Pyrmont Point Escarpment Palisade Fence and Stone Gateposts NSW

Regency Townhouses NSW

Residence and Shop NSW

Reynolds Cottage and Shop NSW

Richmond Villa NSW

Royal Australian Naval House NSW

Royal College of Radiologists Building NSW

Royal Edward Victualling Yard Group NSW

Seaforth House NSW

Semi detached Houses NSW

Sergeant Majors Row Terraces NSW

Shipping Agents Office (former) NSW

Shipwrights Arms Hotel (former) NSW

Shops Residences and Offices NSW

Shops and Hotel Group NSW

Shops and Offices NSW

Sport House including Original Interiors NSW

St Brigids Catholic Church & School NSW

St Patricks Catholic Church NSW

St Patricks Convent Chapel NSW

St Patricks Convent NSW

St Patricks Hall and School NSW

St Philips Anglican Church NSW

Stafford Terrace (part) NSW

Statue of Dunmore Lang NSW

Stone Cottage and Adjacent Stone Wall NSW

Stone Wall, Entrance Gate and Sentry Box NSW

Susannah Place Terrace NSW

Sydney Harbour Bridge NSW

Sydney Observatory NSW

Sydney Sailors Home (former) NSW

Telford Trust Building NSW

Terrace Facade NSW

Terrace Houses NSW

Terrace Houses NSW

Terrace NSW

**Terrace NSW** 

Terrace NSW

Terrace NSW

Terrace NSW

Terrace NSW

Terrace and Commercial Building NSW

Terrace and Townhouses NSW

Terrace of Three Shops NSW

Terraced Houses NSW

Terraces Facade NSW

Terraces Facade NSW

**Terraces NSW** 

**Terraces NSW** 

Terraces NSW

**Terraces NSW** 

Terraces and Retaining Wall NSW

Terraces and Townhouses NSW

The Bushells Building NSW

The Counting House NSW

The Garrison Church NSW

The Rocks Conservation Area NSW

Three Victorian Residences NSW

Town House NSW

Townhouse NSW

Townhouses NSW

Towns Store NSW

Undercliff Cottage (former) NSW

Union Bond Store NSW

**Unwins Coach House NSW** 

**Unwins Store NSW** 

Victorian Shops NSW

View Terrace Facade NSW

Walsh Bay Wharves NSW

Warehouse NSW

Watch House (former) NSW

Wharf 19, 20 & 21 NSW

Windmill Street North Side Group NSW

Windmill Street Southside Group NSW

Winsbury Terrace NSW

## Young Princess Hotel (former) NSW

## Extra Information

State and Territory Reserves [ Dataset Information ]

Sydney Harbour National Park, NSW

# Caveat

The information presented in this report has been provided by a range of data sources as <u>acknowledged</u> at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the *Environment Protection and Biodiversity Conservation Act 1999*. It holds mapped locations of World Heritage and Register of National Estate properties, Wetlands of International Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under "type of presence". For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

Only selected species covered by the migratory and marine provisions of the Act have been mapped.

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- · some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites;
- seals which have only been mapped for breeding sites near the Australian continent.

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

# **Acknowledgments**

This database has been compiled from a range of data sources. The Department acknowledges the following custodians who have contributed valuable data and advice:

- New South Wales National Parks and Wildlife Service
- Department of Sustainability and Environment, Victoria
- Department of Primary Industries, Water and Environment, Tasmania
- Department of Environment and Heritage, South Australia Planning SA

- Parks and Wildlife Commission of the Northern Territory
- Environmental Protection Agency, Queensland
- Birds Australia
- · Australian Bird and Bat Banding Scheme
- Australian National Wildlife Collection
- · Natural history museums of Australia
- · Queensland Herbarium
- National Herbarium of NSW
- Royal Botanic Gardens and National Herbarium of Victoria
- Tasmanian Herbarium
- State Herbarium of South Australia
- Northern Territory Herbarium
- Western Australian Herbarium
- Australian National Herbarium, Atherton and Canberra
- University of New England
- · Other groups and individuals

ANUCliM Version 1.8, Centre for Resource and Environmental Studies, Australian National University was used extensively for the production of draft maps of species distribution. Environment Australia is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

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Department of the Environment, Water, Heritage and the Arts

GPO Box 787 Canberra ACT 2601 Australia

Telephone: +61 (0)2 6274 1111

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# Threatened species and ecological communities listed under the *FM Act* 1994.

# Schedule 4 Endangered species, populations and ecological communities

# Part 1 Endangered species

#### **Fish**

Archaeophya adamsi Fraser, 1959

Austrocordulia leonardi

\*Maccullochella ikei Rowland

\*Maccullochella macquariensis (Cuvier)

Macquaria australasica (Cuvier, 1830)

Mogurnda adspersa (Castelnau, 1878)

Nannoperca australis Günther, 1861

\*Nannoperca oxleyana Whitley

Notopala sublineata (Conrad, 1850)

Thunnus maccoyii

Adam's emerald dragonfly Sydney Hawk dragonfly eastern freshwater cod

trout cod

Macquarie perch

purple spotted gudgeon southern pygmy perch

Oxleyan pygmy perch

river snail

southern bluefin tuna

# Marine vegetation

### Part 2 Endangered populations

#### Fish

Ambassis agassizii Steindachner, 1866, olive perchlet, western New South Wales population Gadopsis marmoratus, river blackfish, Snowy River population

Tandanus tandanus (Mitchell, 1838), eel tailed catfish, Murray-Darling Basin population

#### Marine vegetation

#### Part 3 Endangered ecological communities

Aquatic ecological community in the natural drainage system of the lower Murray River catchment (as described in the recommendation of the Fisheries Scientific Committee to list the ecological community)

Aquatic ecological community in the natural drainage system of the lowland catchment of the Darling River (described in the recommendation of the Fisheries Scientific Committee to list that aquatic ecological community, as the area covered by that recommendation)

Aquatic ecological community in the natural drainage system of the lowland catchment of the Lachlan River (described in the recommendation of the Fisheries Scientific Committee to list that aquatic ecological community, as the area covered by that recommendation)

### Part 4 Species presumed extinct

#### Fish

Pristis zijsron Bleeker, 1851 Metaprotella haswelliana Mayer, 1882 green sawfish Haswells caprellid

# Marine vegetation

Vanvoorstia bennettiana (Harvey) Papenfuss (1956)

Bennetts seaweed

# Schedule 4A Critically endangered species and ecological communities

#### Part 1 Critically endangered species

# Fish

\*Carcharias taurus Rafinesque, 1810 Craterocephalus fluviatilis (McCulloch, 1913) Galaxias rostratus Smeagol hilaris Tillier & Ponder, 1992 grey nurse shark Murray hardyhead flathead galaxias marine slug

#### Marine vegetation

Nereia lophocladia J. Agardh (1897)

marine brown alga

# Part 2 Critically endangered ecological communities

# Schedule 5 Vulnerable species and ecological communities

### Part 1 Vulnerable species

#### Fish

Bidyanus bidyanus (Mitchell, 1838) Branchinella buchananensis Geddes, 1981 \*Carcharodon carcharias (Linnaeus, 1758) Epinephelus daemelii (Günther, 1876) silver perch Buchanans fairy shrimp

great white shark

black cod

# Marine vegetation

# Part 2 Vulnerable ecological communities

# Schedule 6 Key threatening processes

Degradation of native riparian vegetation along New South Wales water courses.

Hook and line fishing in areas important for the survival of threatened fish species.

Installation and operation of instream structures and other mechanisms that alter natural flow regimes of rivers and streams.

Introduction of fish to waters within a river catchment outside their natural range.

Introduction of non-indigenous fish and marine vegetation to the coastal waters of New South Wales.

Removal of large woody debris from New South Wales rivers and streams.

The current shark meshing program in New South Wales waters.

view map



# NSW National Parks & Wildlife Service atlas of nsw wildlife

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### **Search Results**

**Your selection:** Fauna, threatened species, LGA - SYDNEY HARBOUR (UNINCORPORATED) returned a total of 54 records of 24 species.

Report generated on 12/04/2010 - 16:50 (Data valid to 11/04/2010)

r view ma	P	□ sear	ch again	r clear sel	ection	search again	
Choose up to 3 species to map.				r clear selection			
* Exotic (non-native) species  Legal Count Info							
Aves	Мар	Scientific Name	Common Name	Status	Count	Info	
Accipitridae	9						
		Pandion haliaetus	Osprey	V	2	1	
Anseranatio	dae	Anseranas semipalmata	Magpie Goose	V	1	i	
Ardeidae	J	Anseranas semipannata	Hagpie Goose	V	-	<b>T</b>	
		Ixobrychus flavicollis	Black Bittern	V	1	i	
Burhinidae							
		Burhinus grallarius	Bush Stone-curlew	E1	1	i	
Charadriida	ie _		,				
Diomedeida		Charadrius mongolus	Lesser Sand-plover	V	1	i	
Diomedeida	ae	Diomedea exulans	Wandering Albatross	E1	1	ì	
	П	Thalassarche melanophris	Black-browed Albatross	V	1	î	
Haematopo			,				
10000000	П	Haematopus fuliginosus	Sooty Oystercatcher	V	2	i	
		Haematopus longirostris	Pied Oystercatcher	E1	1	i	
Laridae						(278)	
	П	Sterna albifrons	Little Tern	E1	1	i	
D II'' d		Sterna fuscata	Sooty Tern	V	2	i	
Procellariid	ae	Puffinus carneipes	Flesh-footed Shearwater	V	1	1	
Psittacidae	,	ruillius carrielpes	Tiesti Tooted Siledi water	. •	_		
	Г	Lathamus discolor	Swift Parrot	E1	1	i	
Spheniscida	ae						
		Eudyptula minor	Little Penguin in the Manly Point Area (being the area on and near the shoreline from Cannae Point generally northward to the point near the intersection of Stuart Street and Oyama Cove Avenue, and extending 100 metres offshore from that shoreline)	E2	5	1	
Strigidae			100			_	
		Ninox strenua	Powerful Owl	V	2	i	
Mammalia	Мар	Scientific Name	Common Name	<u>Legal</u> <u>Status</u>	Coun	t Info	
Balaenidae							

		Eubalaena australis	Southern Right Whale	V	3	i
Balaenopteridae						
		Megaptera novaeangliae	Humpback Whale	V	1	i
Otariidae						
		Arctocephalus forsteri	New Zealand Fur-seal	V	2	i
		Arctocephalus pusillus doriferus	Australian Fur-seal	V	8	i
Peramelida	ie					
		Perameles nasuta	Long-nosed Bandicoot, North Head	E2	2	i
Pteropodid	ae					
		Pteropus poliocephalus	Grey-headed Flying-fox	V	9	i
Vespertilio	nidae		,			
		Miniopterus australis	Little Bentwing-bat	V	1	i
		Miniopterus schreibersii oceanensis	Eastern Bentwing-bat	V	3	i
				Legal		
Reptilia	Мар	Scientific Name	Common Name	Status	Count	Info
Cheloniidae	e					
		Chelonia mydas	Green Turtle	V	2	i
				•		

\* Exotic (non-native) species

Choose up to 3 species to map.

DISCLAIMER: The Atlas of New South Wales Wildlife contains data from a number of sources including government agencies, non-government organisations and private individuals. These data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Find out <a href="more">more</a> about the Atlas.

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**Eco**Nomics

resources & energy

LEND LEASE

BARANGAROO STAGE 1

BARANGAROO CONCEPT PLAN AMENDMENT (MP06\_0162 MOD4) - MARINE ECOLOGY, WATER

QUALITY AND CONTAMINATED SEDIMENT IMPACT ASSESSMENT

Appendix 3 - Sediment Data

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