

2016 Collection Plan

Key to collection plan actions:

- A Acquire (Acquire these species from licensed holders to make up the planned numbers).
- M Maintain (Maintain the current numbers by breeding/acquiring animals to replace any deaths, delete any that have been bred over the planned number).
- DE Delete excess (Delete the numbers that are higher than the planned number via transferring to another licenced holder or by approved euthanasia methods).
- DA Delete by attrition (Species is to be phased out as the individuals die naturally and are not replaced. Do not breed).
- BR Breeding (Attempt to breed the species to meet the planned numbers).
- FDR Follow program recommendations (Follow the deletion, transfers, acquisitions, breeding and non-breeding actions made by the Australasian Species Management Program as a cooperative breeding program with other institutions such as a CONS – Conservation Program, PMP – Population Management Program or Monitored Species Management Program – MON, as outlined by the ZAA Regional Census and Plan).

Key to sex breakdowns:

10.10.10 = 10 males. 10 females. 10 unsexed/de-sexed individuals.

Common Name	Scientific name	Current Holdings 2016	Planned Holdings 2017	Action
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Molluscs

Giant Panda Snail	<i>Hedleyella falconeri</i>	0.0.10	0.0.10	M
Rainforest Snail	<i>Hadra webbi</i>	0.0.7	0.0.0	DA

Molluscs (continued)

Fraser's Rainforest Snail <i>Sphaerospira fraseri</i>	0.0.58	0.0.30	DE
Total Species: 3 Total breakdowns Total Molluscs	0.0.75 75	0.0.40 40	

Arachnids

Black-rock Scorpion <i>Urodacus manicatus</i>	1.0.0	1.1.4	A
Australian Whistling Spider <i>Phlogius crassipes</i>	2.2.0	2.2.0	M
Garden Wolf Spider <i>Lycosa godeffroyi</i>	7.6.54	4.4.0	DE
Badge Huntsman Spider <i>Neosparassus diana</i>	3.3.0	3.3.0	M
Golden Orb Weaving Spider <i>Nephila maculata</i>	6.0.0	6.0.0	M
Redback Spider <i>Latrodectus hasselti</i>	0.0.0	0.0.2	A
Total Species: 6 Total breakdowns Total Arachnids	19.11.54 84	16.10.6 32	

Insects

Giant Mantid <i>Hierodula majuscula</i>	4.3.20	4.4.0	A 1.0.0 DE
Rainforest Tree Cricket <i>Phricta spinosa</i>	1.1.0	4.4.0	A
Giant Katydid <i>Phyllophorella queenslandica</i>	16.16.0	16.16.0	M
Eastern Goliath <i>Eurycnema goliath</i>	14.14.0	14.14.0	M
Spiny Stick Insect <i>Extatosoma tiaratum</i>	20.43.0	20.43.0	M
Lord Howe Island Stick Insect <i>Dryococelus australis</i>	0.0.10	0.0.10	M
Pandanus Stick Insect <i>Megacrania batesi</i>	10.14.78	10.10.0	DE
Rhinoceros Beetle <i>Xylotrupes ulysses</i>	2.6.0	6.6.0	M
Giant Burrowing Cockroach <i>Macropanesthia rhinoceros</i>	5.4.0	5.5.20	BR
Orchard Butterfly <i>Papilio aegeus</i>	0.0.5	0.0.5	M
Ulysses Butterfly <i>Papilio ulysses</i>	0.0.0	20.20.50	A
Richmond Birdwing Butterfly <i>Ornithoptera richmondia</i>	23.30.82	30.30.100	BR

Insects (continued)

Lemon Migrant <i>Catopsilia pomona</i>	17.27.50	30.30.100	BR
Red Lacewing <i>Cethosia cydippe</i>	13.21.22	30.30.100	BR
Orange Lacewing <i>Cethosia penthesilea</i>	0.0.0	20.20.50	A
Total Species: 15 Total breakdowns Total Insects	125.179.267 571	195.232.425 852	

Myriapods

Red-legged Millipede <i>Rhinocricidae sp.</i>	0.0.2	0.0.10	A
Total Species: 1 Total breakdowns Total Myriapods	0.0.2 2	0.0.10 10	

Fish

Eastern Short-finned Eel <i>Anguilla australis</i>	0.0.16	0.0.16	M
Ocellate river stingray <i>Potamotrygon Motorola</i>	0.0.0	1.1.0	A
Silver Arowana <i>Osteoglossum bicirrhosum</i>	1.1.0	1.1.0	M
Oscar <i>Astronotus ocellatus</i>	3.4.0	6.6.0	A
Jaguar Cichlid <i>Parachromis managuensis</i>	21.13.33	15.15.0	DE
Red Discus <i>Symphysodon discus</i>	19.11.2	15.15.0	DE
Bristlenosed Catfish <i>Ancistrus maculatus</i>	15.18.4	15.15.0	DE
Australian Lungfish <i>Neoceratodus forsteri</i>	1.1.0	0.1.0	A
Total Species: 8 Total breakdowns Total Fishes	60.48.55 163	53.54.16 123	

Amphibians

Blue Poison Dart Frog <i>Dendrobates azureus</i>	0.3.0	8.8.0	A
Striped Marsh Frog <i>Limnodynastes peronii</i>	0.0.19	0.0.9	DA
Baw Baw Frog <i>Philoria frosti</i>	10.10.2	40.40.100	FPR
Green Tree Frog <i>Litoria caerulea</i>	2.2.0	2.2.0	M
Red-eyed Tree Frog <i>Litoria chloris</i>	7.7.0	7.7.0	M

Green and Gold Bell Frog <i>Litoria aurea</i>	12.12.0	12.12.0	M
Cane Toad <i>Rhinella marina</i>	1.0.0	1.0.0	M
Total Species: 7 Total breakdowns Total Amphibians	32.35.21 88	70.69.109 248	

Reptiles

Black Caiman <i>Melanosuchus niger</i>	0.2.0	0.2.0	M
Saltwater Crocodile <i>Crocodylus porosus</i>	1.0.0	1.0.0	M
Eastern Snake-necked Turtle <i>Chelodina longicollis</i>	2.3.0	2.3.0	M
Mata Mata <i>Chelus fimbriata</i>	1.0.0	1.1.0	A
Aldabra Giant Tortoise <i>Aldabrachelys gigantea</i>	1.2.0	1.2.0	M
African spurred tortoise <i>Centrochelys sulcata</i>	4.7.0	4.4.0	DE
Madagascar Day Gecko <i>Phelsuma madagascariensis</i>	0.0.0	2.4.0	A
Common Name Scientific name	Current Holdings 2016	Planned Holdings 2017	Action
Striped Legless Lizard <i>Delma impar</i>	0.2.0	0.2.0	M
Green Iguana <i>Iguana iguana</i>	1.1.0	1.1.0	M
Rhinoceros Iguana <i>Cyclura cornuta</i>	1.3.0	0.0.0	DA
Eastern Water Dragon <i>Intellagama lesueurii lesueurii</i>	2.5.0	2.5.0	M
Eastern Bearded Dragon <i>Pogona barbata</i>	2.3.0	2.3.0	M
Central Bearded Dragon <i>Pogona vitticeps</i>	2.3.0	2.3.0	M
Panther Chameleon <i>Furcifer pardalis</i>	0.1.0	1.1.0	A
Cunningham's Skink <i>Egernia cunninghami</i>	5.5.0	5.5.0	M
Eastern Bluetongue Lizard <i>Tiliqua scincoides scincoides</i>	2.6.0	2.6.0	M
Lace Monitor <i>Varanus varius</i>	2.2.0	2.2.0	M
Eastern Carpet Python <i>Morelia spilota mcdowelli</i>	0.2.0	0.2.0	M
Green Tree Python <i>Morelia viridis</i>	1.2.7	1.2.0	DE

Reptiles (continued)

Green Anaconda <i>Eunectes murinus</i>	0.2.0	0.2.0	M
Boa Constrictor <i>Boa constrictor</i>	1.0.0	1.1.0	A
Amazonian Tree Boa <i>Corallus hortulanus</i>	1.1.0	1.1.20	BR
Madagascan Tree Boa <i>Sanzinia madagascariensis</i>	1.1.0	1.1.20	BR
Eastern brown snake <i>Pseudonaja textilis</i>	1.0.0	1.0.0	M
Red-bellied Black Snake <i>Pseudechis porphyriacus</i>	0.3.0	0.3.0	M
Brown Tree Snake <i>Boiga irregularis</i>	0.1.0	0.2.0	A
Total Species: 27 Total breakdowns Total Reptiles	31.57.7 95	33.58.40 131	

Mammals

Short-beaked Echidna <i>Tachyglossus aculeatus</i>	1.0.0	1.1.0	A
Long-nosed Echidna <i>Tachyglossus bruijnii</i>	0.0.0	1.1.0	A
Spotted-tail Quoll <i>Dasyurus maculatus</i>	3.5.0	3.3.0	DE
Tasmanian Devil <i>Sarcophilus harrisii</i>	5.5.0	5.5.10	FPR
Common Wombat <i>Vombatus ursinus</i>	1.2.1	1.1.0	DE
Koala <i>Phascolarctos cinereus</i>	2.3.0	3.3.2	BR
Mountain Pygmy Possum <i>Burramys parvus</i>	6.9.2	10.10.0	FPR
Common Brush-tail Possum <i>Trichosurus vulpecula</i>	1.1.0	1.1.0	M
Sugar Glider <i>Petaurus breviceps</i>	1.0.0	1.1.0	A
Goodfellow's Tree Kangaroo <i>Dendrolagus goodfellowi</i>	1.0.0	2.3.0	A
Swamp Wallaby <i>Wallabia bicolor</i>	3.10.2	3.3.0	DA
Eastern Grey Kangaroo <i>Macropus giganteus</i>	4.7.4	1.7.0	DE
Giant Ant Eater <i>Myrmecophaga tridactyla</i>	0.0.0	1.1.0	A
Red Ruffed Lemur <i>Varecia rubra</i>	0.0.0	2.2.0	A

Mammals (continued)

Ring-tailed Lemur <i>Lemur catta</i>	2.7.1	2.7.1	M
Lion-tailed Macaque <i>Macaca Silenus</i>	4.4.0	4.4.0	A
Black-capped Capuchin Monkey <i>Cebus apella</i>	2.0.0	2.2.0	A
Golden Lion Tamarin <i>Leontopithecus rosalia</i>	1.1.0	1.1.3	BR
Common Marmoset <i>Callithrix jacchus</i>	2.2.0	5.5.5	A
Brazilian Agouti <i>Dasyprocta leporine</i>	1.1.0	1.1.4	BR
Capybara <i>Hydrochoerus hydrochaeris</i>	2.3.0	2.3.10	BR
Grey-headed Flying Fox <i>Pteropus poliocephalus</i>	2.3.0	5.8.0	A
Brazilian Tapir <i>Tapirus terrestris</i>	1.0.0	1.1.0	A
Greater One-horned Rhinoceros <i>Rhinoceros unicornis</i>	1.1.0	1.1.1	BR
Zebra <i>Equus quagga</i>	1.4.0	1.4.0	M
Ocelot <i>Leopardus pardalis</i>	1.0.0	1.0.0	M
Serval <i>Leptailurus serval</i>	1.0.0	1.1.0	A
Snow Leopard <i>Panthera uncia</i>	1.1.1	1.1.0	DE
Bengal Tiger <i>Panthera tigris</i>	0.1.0	1.1.0	A
African Lion <i>Panthera leo</i>	2.4.0	2.4.6	BR
Cheetah <i>Acinonyx jubatus</i>	1.1.0	1.1.0	M
Maned Wolf <i>Chrysocyon brachyurus</i>	1.1.0	1.1.2	BR
African Painted Dogs <i>Lycaon pictus</i>	3.5.5	3.5.0	DE
Red Panda <i>Ailurus fulgens</i>	2.2.3	2.2.6	FPR
Oriental Small Clawed Otter <i>Amblonyx cinerea</i>	2.4.6	2.4.0	DE
Giant Amazon Otter <i>Pteronura brasiliensis</i>	0.0.0	1.3.0	A
Meerkat <i>Suricata suricatta</i>	4.6.4	4.6.0	DE

Mammals (continued)

White-nosed Coati	<i>Nasua narica</i>	1.0.0	1.1.0	A
Collard Peccary	<i>Pecari tajacu</i>	2.3.0	2.3.0	M
Nile Hippopotamus	<i>Hippopotamus amphibious</i>	1.1.0	1.1.0	M
Giraffe	<i>Giraffa Camelopardalis</i>	0.2.0	0.2.0	M
Spotted Deer	<i>Axis axis</i>	1.6.0	1.6.0	M
Himalayan Tahr	<i>Hemitragus jemlahicus</i>	4.10.0	3.6.0	DE
Sitatunga	<i>Tragelaphus spekii</i>	1.0.0	1.1.0	A
Total Species: 43	Total breakdowns	110.118.31	89.123.40	
	Total Mammals	259	252	

Birds

Emu	<i>Dromaius novaehollandiae</i>	3.2.11	3.5.0	DE
Double-wattled Cassowary	<i>Casuarius casuarius</i>	1.1.0	1.1.4	BR
Ostrich	<i>Struthio camelus</i>	1.6.0	1.6.0	M
Helmeted Guinea fowl	<i>Numida meleagris</i>	4.13.2	4.16.0	BR
Kalij Pheasant	<i>Lophura leucomelanos</i>	1.1.0	1	BR
Indian Peafowl	<i>Pavo cristatus</i>	1.4.0	1.1.10	A
Egyptian Goose	<i>Alopochen aegyptiaca</i>	2.2.0	4.8.0	M
Greater Flamingo	<i>Phoenicopterus roseus</i>	2.2.0	2.2.0	A
Little Penguin	<i>Eudyptula minor</i>	0.0.0	15.15.0	A
		3.3.0	3.3.3	FPR
Glossy Ibis	<i>Plegadis falcinellus</i>	0.0.12	0.0.12	M
Bush-stone Curlew	<i>Burhinus grallarius</i>	4.4.10	4.4.0	DE
Black-winged Stilt	<i>Himantopus himantopus</i>	2.2.0	2.2.0	M
Hooded Plover	<i>Thinornis rubricollis</i>	6.6.6	6.6.6	FPR
Emerald Dove	<i>Chalcophaps indica</i>	6.6.12	6.6.0	DA

Birds (continued)

Brown Cuckoo Dove <i>Macropygia amboinensis</i>	4.8.0	2.2.0	DE
Palm Cockatoo <i>Probosciger aterrimus</i>	1.1.0	1.1.0	BR
Red-tailed Black Cockatoo <i>Calyptorhynchus banksia</i>	1.1.0	1.1.0	M
Rainbow Lorikeet <i>Trichoglossus haematodus</i>	10.12.4	10.10.0	DE
Eclectus Parrot <i>Eclectus roratus</i>	1.1.0	1.1.0	M
King Parrot <i>Alisterus scapularis</i>	2.2.0	2.2.0	M
Eastern Rosella <i>Platycercus eximius</i>	6.6.3	2.2.0	DE
Orange-bellied Parrot <i>Neophema chrysogaster</i>	10.9.2	10.10.10	FPR
Golden Conure <i>Guaruba guarouba</i>	5.5.2	5.5.2	DE
Quaker Parrot <i>Myiopsitta monachus</i>	4.4.0	4.4.0	M
Scarlet Macaw <i>Ara macao</i>	2.2.0	2.2.0	M
African Lovebirds <i>Agapornis roseicollis</i>	6.6.0	6.6.6	M
Pheasant Coucal <i>Centropus phasianinus</i>	1.1.0	1.1.2	BR
Barn Owl <i>Tyto alba</i>	1.1.4	1.1.0	DE
Tawny Frogmouth <i>Podargus strigoides</i>	3.3.1	3.3.0	DE
Laughing Kookaburra <i>Dacelo novaeguineae</i>	2.2.0	2.2.0	M
Superb Lyrebird <i>Menura novaehollandiae</i>	1.1.0	1.1.4	BR
Satin Bowerbird <i>Ptilonorhynchus violaceus</i>	1.4.0	1.4.0	M
Zebra Finch <i>Taeniopygia guttata</i>	0.0.40	0.0.40	M
African Fire Finch <i>Lagonosticta rubricata</i>	0.0.43	0.0.30	DE
Total Species: 35 Total breakdowns Total Birds	100.124.153 377	112.138.119 369	Action

Summary		2016		2017	
Molluscs	3	0.0.75	(75)	0.0.40	(40)
Arachnids	6	19.11.54	(84)	16.10.6	(32)
Insects	15	25.179.267	(571)	195.232.425	(852)
Myriapods	1	0.0.2	(2)	0.0.10	(10)
Fishes	8	60.48.55	(163)	53.54.16	(123)
Amphibians	7	32.35.21	(88)	70.69.109	(248)
Reptiles	27	31.58.7	(95)	33.58.40	(131)
Mammals	44	110.118.31	(259)	89.123.40	(252)
Birds	35	100.124.153	(377)	112.138.119	(369)
Grand total species	146				
Grand total breakdowns		377.573.665		567.684.805	
Grand total animals			1,614		2,057