

## APPENDIX A SUGGESTED FOOD AND QUANTITIES FOR SEABIRDS

SPECIES	WILD DIET	CAPTIVE DIET	QUANTITY	FREQUENCY	METHOD/COMMENTS
Wandering albatross	Squid	Squid	500 g	2 x daily	Force feed
Small albatrosses	Squid Fish	Squid Fish	250 g	2 x daily	Force feed
Large petrels	Squid Fish	Squid Fish Meat mix	30-50 g	3 x daily	Force feed
Shearwaters	Fish Squid Crustaceans	Squid Fish - Whitebait Meat mix	30-50 g	3 x daily	Force feed initially then throw food in water
Prions and Storm-petrels	Zooplankton Squid Crustaceans	Squid Meat mix	10-15 g	2 x daily	As above
Penguins	Small Fish Squid	Small pilchards Squid	5-6 125 g	2 x daily	Force feed initially, then hand feed or throw fish in water
Great skua	Fish Squid Crustaceans Carrion Chicks Eggs	Pilchards Meat mix Day old chicks Raw egg	225g 225g 1 1	2 x daily 2 x daily 1 x daily 1 x daily	Force feed initially, then place food in a dish
Pomarine, Skua and Arctic Skua	As above	Pilchards Meat mix Day old chicks Raw egg	225g 225g 1 1	2 x daily 2 x daily 1 x daily 1 x daily	As above
Terns and Gulls	Small fish Crustaceans	Small fish Chopped fish, include some bone	30-80g depending on species	2 or 3 x daily	Force feed initially then encourage bird to take food from water or dish
Cormorants	Small fish Crustaceans	Small fish Chopped fish, include some bone	60-120g depending on species	2 or 3 x daily	Force feed initially then encourage bird to take food from water
Pelicans	Fish Crustaceans	Red spot whiting / Pilchards Whole fish to 600g	8-10 1-3	2 or 3 x daily	Pelicans will generally take fish that is thrown to them or into water
Gannets	Fish	Whiting/pilchards	250g	2 x daily	Force feed
Waders	Insects Crustaceans Molluscs Small fish	See Wader recipe notes (Section 6.1)	20% of body weight per day - depends on species	3 x daily	Leave food in enclosure
Hérons	Small fish Crustaceans Insects	White bait Mealworms Meat mix	80-90g	2 or 3 x daily	Fish can be left in dish or pool

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## APPENDIX B

### RELEASE WEIGHT CHART FOR SEABIRDS (GUIDE ONLY)

SPECIES	AVERAGE WEIGHT	RELEASE WEIGHT	IDENTIFICATION & COMMENTS
<b>PENGUINS</b>			
Little penguin <i>Eudyptula minor</i>	Female 850 - 1050 g Male 950 - 1200 g	Minimum release weight approximately 950 g	
<b>ALBATROSSES</b>			
Royal albatross <i>Diomedea epomophora</i>	Female 7600 g Male 8650 g		Weight varies depending on race
Wandering albatross <i>Diomedea exulans</i>	Female 6500 g Male 8500 g		As above
Shy albatross <i>Diomedea cauta</i>	Female 3300 g Male 3700 g	Average F/M weight should be regarded as minimum release weight	As above
Black-browed albatross <i>Diomedea melanophrys</i>	2850 - 3600 g	3000 g should be regarded as minimum release weight	Males and females similar The New Zealand race has a pale eye.
Grey-headed albatross <i>Diomedea chrysostoma</i>	3600 g	3600 g should be regarded as minimum release weight	Males and females similar Can be confused with juvenile shy albatross
Yellow-nosed albatross <i>Diomedea chlororhynchos</i>	1800 - 2500 g	2000 - 2200 g	Females smaller than males
Buller's albatross <i>Diomedea bulleri</i>	2000 - 2500 g	2000 - 2200 g	Males and females similar Can be confused with juvenile shy albatross
Sooty albatross <i>Phoebastria fusca</i>	2050 - 2500 g	2300 g	Males and females similar Can be confused with light-mantled sooty albatross
Light-mantled sooty albatross <i>Phoebastria palpebrata</i>	2500 - 3400 g	2800 g should be regarded as minimum release weight	Males slightly larger than females Can be confused with juvenile sooty albatross
<b>GIANT PETRELS</b>			
Southern giant petrel <i>Macronectes giganteus</i>	2500 - 3400 g	Female 2500 g Male 3000 g	Males larger than females Two colour phases - white and dark brown
Northern giant petrel <i>Macronectes halli</i>	2500 - 3400 g	Female 2500 g Male 3000 g	Males larger than females Northern have red bill tip and Southern have green bill tip
Southern fulmar <i>Fulmarus glacialis</i>	600 - 900 g	700 g should be regarded as minimum release weight	Males and females similar
Cape petrel <i>Daption capense</i>	325 - 460 g	350 - 400 g minimum	Males and females similar
Great-winged petrel <i>Pterodroma macroptera</i>	540 g	540 g	Males slightly larger than females
White-headed petrel <i>Pterodroma lessonii</i>	520 g	480 g minimum	Males and females similar
<b>PETRELS</b>			
Providence petrel <i>Pterodroma solandri</i>	550 g	500 g minimum	Males and females similar Breeds on Lord Howe Island

SPECIES	AVERAGE WEIGHT	RELEASE WEIGHT	IDENTIFICATION & COMMENTS
<b>PETRELS</b>			
Kermadec petrel <i>Pterodroma neglecta</i>	No data	Probably 480 - 540 g	Similar in size to above Polymorphic, light, dark and intermediate forms
Mottled petrel <i>Pterodroma inexpectata</i>	300 g	280 - 320 g	Males and females similar
Soft-plumage petrel <i>Pterodroma mollis</i>	270 - 350 g	270 - 350 g	
Black-winged petrel <i>Pterodroma nigripennis</i>	135 - 160 g	150 g	Similar to Gould's petrel
Gould's petrel <i>Pterodroma leucoptera</i>	160 - 190 g	160 g	
Blue petrel <i>Halobaena caerulea</i>	165 - 220 g	180 g	
Fairy prion <i>Pachyptila turtur</i>	99 - 128 g	110 g	Often found ashore after winter storms
Grey petrel <i>Procellaria cinerea</i>	870 - 1160 g	950 g	Males and females similar
White-chinned petrel <i>Procellaria aequinoctialis</i>	970 - 1200 g	1050 g	Males and females similar
Westland black petrel <i>Procellaria westlandica</i>	770 g	750 g minimum	Males and females similar
Black petrel <i>Procellaria parkinsoni</i>	No data	700 - 750 g	Similar to the Westland black petrel though slightly smaller
<b>SHEARWATERS</b>			
Fleshy-footed shearwater <i>Puffinus carneipes</i>	570 - 700 g	660 g	Males and females similar
Wedge-tailed shearwater <i>Puffinus pacificus</i>	270 - 470 g	385 g	Males and females similar
Buller's shearwater <i>Puffinus bulleri</i>	470 g	450 g minimum	Males and females similar
Sooty shearwater <i>Puffinus griseus</i>	550 - 920 g	650 g should be regarded as minimum release weight	Males and females similar Birds at low end of weight scale are most likely beach wash specimens
Short-tailed shearwater <i>Puffinus tenuirostris</i>	405 - 600 g	500 g	Males and females similar
Fluttering shearwater <i>Puffinus gavia</i>	220 - 420 g	300 g should be regarded as minimum release weight	Males and females similar Birds at low end of weight scale are most likely beach wash specimens
Hutton's Shearwater <i>Puffinus huttoni</i>	364 g (only data)	300 g should be regarded as minimum release weight	Similar to above species Release weights should be regarded as the same

SPECIES	AVERAGE WEIGHT	RELEASE WEIGHT	IDENTIFICATION & COMMENTS
<b>STORM-PETRELS</b>			
White-faced storm-petrel <i>Pelagodroma marina</i>	40 - 60 g	50 g	Males and females similar
<b>FRIGATE-BIRDS</b>			
Greater frigate-bird <i>Fregata minor</i>	Female 1500 g Male 865 g	Female 1500 g Male 865 g	Females much larger than males
Lesser frigate-bird <i>Fregata ariel</i>	Female 860 g Male 650 g	Female 860 g Male 650 g	Females much larger than males
<b>TROPIC-BIRDS</b>			
Red-tailed tropic-bird <i>Phaethon rubricauda</i>	700 - 810 g	750 g minimum	Females slightly larger than males
White-tailed tropic-bird <i>Phaethon lepturus</i>	820 g	820 g minimum	
<b>CORMORANTS</b>			
Black cormorant <i>Phalacrocorax carbo</i>	Female 1730-2200 g Male 2200-2800 g	2500 g minimum	Males larger than females
Little black cormorant <i>Phalacrocorax sulcirostris</i>	Female 620-1020 g Male 750-1100 g	800 g minimum	Males larger than females
Black-faced cormorant <i>Phalacrocorax fuscescens</i>	1280 g	1300 g minimum	Males larger than females
Pied cormorant <i>Phalacrocorax varius</i>	Female 1300-1970 g Male 1750-2270 g	Female 1650 g minimum Male 2000 g minimum	Males larger than females
Little pied cormorant <i>P.melanoleucos</i>	Female 540-840 g Male 650-920 g	Female 690 g minimum Male 800 g minimum	Males larger than females
<b>GANNETS AND BOOBIES</b>			
Brown booby <i>Sula leucogaster</i>	950 - 1190 g	1050 g minimum	
Red-footed booby <i>Sula sula</i>	920 - 1030 g	975 g minimum	
Masked booby <i>Sula dactylatra</i>	1890 - 2250 g	1970 g minimum	
Australasian gannet <i>Morus serrator</i>	2160 - 2400 g	2285 g minimum	
<b>PELICAN</b>			
Australian pelican <i>Pelecanus conspicillatus</i>	3390 - 7350 g	4540 - 5190 g depending on size	Males larger than females Release weight will depend on individual bird's condition
<b>GULLS</b>			
Silver gull <i>Larus novaehollandiae</i>	270 - 325 g	280 g	
Pacific gull <i>Larus pacificus</i>	860 - 1080 g	970 g	
Kelp gull <i>Larus dominicanus</i>	785 - 1000 g	890 g	Males larger than females This species is very similar to the Pacific gull

SPECIES	AVERAGE WEIGHT	RELEASE WEIGHT	IDENTIFICATION & COMMENTS
<b>TERNs</b>			
Whiskered tern <i>Chlidonias hybrida</i>	80 - 95 g	90 g	Freshwater tern often found in open paddocks or far from water
White-winged tern <i>Chlidonias leucoptera</i>	No data	65 - 80 g	Small tern. Release weight is estimate only
Gull-billed tern <i>Sterna nilotica</i>	275 g	275 g	Often found on freshwater
Caspian tern <i>Sterna caspia</i>	650 g	650 g	Large red bill is diagnostic
Arctic tern <i>Sterna paradisaea</i>	120 g	120 g	Trans-equatorial migrant
Common tern <i>Sterna hirundo</i>	95 g	95 g	Trans-equatorial migrant
Roseate tern <i>Sterna dougallii</i>	100 - 120 g	100 - 120 g	
White-fronted tern <i>Sterna striata</i>	No data	95 - 120 g	Similar in size to common tern
Crested tern <i>Sterna bergii</i>	310 - 365 g	335 g	
Lesser crested tern <i>Sterna bengalensis</i>	230 g	230 g	
Little tern <i>Sterna albifrons</i>	55 g	55 g	Endangered species
Fairy tern <i>Sterna nereis</i>	55 g	55 g	
Black-napped tern <i>Sterna sumatrana</i>	80 g	80 g	Tropical tern
Sooty tern <i>Sterna fuscata</i>	140 - 195 g	165 g	
Bridled tern <i>Sterna anaethetus</i>	115 g	115 g	
<b>NODDY</b>			
Common noddy <i>Anous stolidus</i>	165 - 280 g	200 g minimum	
White-capped noddy <i>Anous minutus</i>	80 g	80 g	Breeds on Lord Howe Island
White tern	120 g	120 g	Breeds on Lord Howe Island
Grey noddy	70 g	70 g	Breeds on Lord Howe Island

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