

Order	Common Name	Scientific Name	Weight (N)	Wing Area (msq)	Wing span (m)	Wing load N/msq	Aspect Ratio	Wing Data Source
Galliformes	Red-legged Partridge	<i>Alectoris rufa</i>	5.00			76.00	4.60	Brooks and Birkhead 1991
Galliformes	Ruffed Grouse	<i>Bonassa umbellus</i>	5.17	0.053	0.56	97.55	5.92	Tennekes 1998 (Poole 1938)
Galliformes	Eastern Bobwhite	<i>Colinus virginianus</i>	1.99	0.022				Poole 1938
Galliformes	Black Grouse	<i>Lyurus tetrix</i>	10.00			85.00	5.90	Brooks and Birkhead 1991
Galliformes	Partridge Euro	<i>Perdix perdix</i>	4.00	0.043	0.05	93.02	6.53	Tennekes 1998
Galliformes	Ring-necked Pheasant	<i>Phasianus colchicus</i>	13.04	0.092				Poole 1938
Galliformes	Ring-necked Pheasant	<i>Phasianus colchicus</i>	12.00	0.088	0.72	136.36	5.89	Tennekes 1998
Galliformes	Hazel Grouse	<i>Tetrastes banasia</i>	2.80			58.00	5.90	Brooks and Birkhead 1991
Anseriformes	Ruddy Duck		6.35	0.039				Poole 1938
Anseriformes	Wood Duck	<i>Aix sponsa</i>	5.89	0.066				Poole 1938
Anseriformes	Northern Pintail	<i>Anas acuta</i>	9.70	0.076	0.89	127.63	10.42	Tennekes 1998 (Poole 1938)
Anseriformes	Green-winged Teal	<i>Anas carolinensis</i>	3.21	0.037				Poole 1938
Anseriformes	Northern Shoveler	<i>Anas clypeata</i>	5.70	0.057	0.79	100.00	10.95	Tennekes 1998 (Poole 1938)
Anseriformes	Blue-winged Teal	<i>Anas discors</i>	3.32	0.037	0.61	89.73	10.06	Tennekes 1998 (Poole 1938)
Anseriformes	Mallard	<i>Anas platyrhynchos</i>	13.20	0.099	0.90	133.33	8.18	Tennekes 1998
Anseriformes	Mallard	<i>Anas platyrhynchos F</i>	12.34	0.095				Poole 1938
Anseriformes	Gadwall	<i>Anas strepera</i>	7.23	0.072				Poole 1938
Anseriformes	White-fronted Goose	<i>Anser albifrons</i>	17.00	0.180	1.40	94.44	10.89	Tennekes 1998
Anseriformes	Greylag Goose	<i>Anser anser</i>	31.00	0.270	1.63	114.81	9.84	Tennekes 1998
Anseriformes	Snow Goose	<i>Anser caerulescens</i>	35.00	0.270	1.60	129.63	9.48	Tennekes 1998
Anseriformes	Lesser Scaup	<i>Aythya affinis</i>	7.63	0.047				Poole 1938
Anseriformes	Ring-necked Duck	<i>Aythya collaris</i>	7.57	0.046				Poole 1938
Anseriformes	Euro brant	<i>Branta bernicla</i>	13.00	0.140	1.20	92.86	10.29	Tennekes 1998
Anseriformes	American brant	<i>Branta bernicla hrota F</i>	10.24	0.126				Poole 1938
Anseriformes	Canada Goose	<i>Branta canadensis</i>	56.62	0.282	1.70	200.71	10.25	Tennekes 1998 (Poole 1938)
Anseriformes	Bufflehead	<i>Bucephala albeola</i>	3.77	0.041				Poole 1938
Anseriformes	Oldsquaw	<i>Clangula hyemalis</i>	10.38	0.055				Poole 1938
Anseriformes	Bewick's Swan	<i>Cygnus bewickii</i>	62.00			147.00	9.20	Brooks and Birkhead 1991
Anseriformes	Tundra Swan	<i>Cygnus columbianus</i>	59.43	0.416	2.15	142.79	11.11	Tennekes 1998 (Poole 1938)
Anseriformes	Whooper Swan	<i>Cygnus cygnus</i>	91.00			233.00	13.90	Brooks and Birkhead 1991
Anseriformes	Mute Swan	<i>Cygnus olor</i>	116.02	0.681	2.40	170.34	8.46	Tennekes 1998 (Poole 1938)
Anseriformes	Common Eider Euro		21.80			194.00	8.40	Brooks and Birkhead 1991

Piciformes	Ant-eating Woodpecker	<i>Balanosphyra formicivora</i>	0.75	0.031				Poole 1938
Piciformes	Red-bellied Woodpecker	<i>Centurus carolinus</i>	0.87	0.026				Poole 1938
Piciformes	Common Flicker	<i>Colaptes auratus</i>	1.00	0.032		30.86		Poole 1938
Piciformes	Downy Woodpecker	<i>Dryobates pubescens</i>	0.25	0.014		18.38		Poole 1938
Piciformes	Pileated Woodpecker	<i>Dryocopus pileatus</i>	2.64	0.102	0.69	25.88	4.60	G. Kaiser unpub.
Piciformes	Wryneck	<i>Jynx torquilla</i>	0.37	0.012		32.16	7.00	Magnan 1922
Piciformes	Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	0.87	0.026		33.20		J.M.V. Rayner unpub.
Piciformes	Acorn Woodpecker	<i>Melanerpes formicovora</i>	0.75	0.031		24.35		J.M.V. Rayner unpub.
Piciformes	Grey-breasted Woodpecker	<i>Melanerpes hypopolius</i>	0.75	0.025	0.35	30.26	4.89	Magnan 1922
Piciformes	Great Spotted Woodpecker	<i>Picoides major</i>	0.70		0.42		7.49	Magnan 1922
Piciformes	Lesser Spotted Woodpecker	<i>Picoides minor</i>	0.20		0.27		7.00	Magnan 1922
Piciformes	Green Woodpecker	<i>Picus viridis</i>	1.60		0.52	38.00	5.20	Brooks and Birkhead 1991
Piciformes	Red-naped Sapsucker	<i>Sphyrapicus nuchalis</i>	0.52	0.023	0.36	22.59	5.68	G. Kaiser unpub.
Coraciiformes	Small European Kingfisher	<i>Alcedo atthis</i>	0.36	0.011		33.70	7.72	Magnan 1922
Coraciiformes	Euro kingfisher	<i>Alcedo atthis</i>	0.32			32.00	6.50	Brooks and Birkhead 1991
Coraciiformes	Belted Kingfisher	<i>Ceryle alcyon</i>	1.46	0.041	0.50	35.61	6.10	G. Kaiser unpub.
Coraciiformes	Belted Kingfisher	<i>Ceryle alcyon</i>	1.55	0.038		41.22		Poole 1938
Coraciiformes	Giant Kingfisher	<i>Ceryle maxim</i>	0.85	0.028		32.00		J.M.V. Rayner unpub.
Coraciiformes	Colombia Pygmy Kingfisher	<i>Chloroceryle aenea</i>	0.18	0.006	0.17	28.78	4.75	J. Parra unpub.
Coraciiformes	Colombia Pygmy Kingfisher	<i>Chloroceryle aenea</i>	0.16	0.006	0.17	27.26	4.92	J. Parra unpub.
Coraciiformes	Common Roller	<i>Coracias garrulus</i>	1.28	0.048		26.50		Magnan 1922
Coraciiformes	Smyrna Kingfisher	<i>Halcyon smyrnensis</i>	1.60			38.00	5.20	J.M.V. Rayner unpub.
Coraciiformes	European Bee Eater	<i>Merops superciliosus</i>	0.18	0.012		15.64		J.M.V. Rayner unpub.
Coraciiformes	hoopoo	<i>Upopa epops</i>	0.91	0.037		24.86	6.22	Greenewalt 1960
Coliiformes	Colius striatus	<i>Colius striatus</i>	0.51	0.015	0.25	34.53	4.46	G. Kaiser unpub.
Cuculiformes	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	0.59	0.025	0.04	23.72	6.72	G. Kaiser unpub.
Cuculiformes	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	0.61	0.027		22.93		Poole 1938
Cuculiformes	Euro Cuckoo	<i>Cuculus canorus</i>	1.04	0.042		24.82	7.20	Magnan 1922
Cuculiformes	Smooth-billed Ani	<i>Cuculus canorus</i>	1.07	0.041	0.05	26.23	5.24	G. Kaiser unpub.
Psittaciformes	Lovebird	<i>Agapornis roseicollis</i>	0.53	0.016	0.31	33.95	6.16	G. Kaiser unpub.
Psittaciformes	Orange-winged Amazon	<i>Amazona amaxonica</i>	8.95		0.73		5.52	Greenewalt 1960
Psittaciformes	Scarlet Macaw	<i>Ara macao</i>	9.90			48.00	6.60	Brooks and Birkhead 1991

Psittaciformes	Budgerigar	<i>Melopsittacus undulatus</i>	0.36			34.00	7.30	Brooks and Birkhead 1991
Psittaciformes	Grey Parrot	<i>Psittacus erythacus</i>	7.10		0.71		6.50	Greenewalt 1960
Caprimulgiformes	European nightjar	<i>Caprimulgus europaeus</i>	0.76			23.12	8.00	Brooks and Birkhead 1991
Caprimulgiformes	European nightjar	<i>Caprimulgus europaeus</i>	0.920	0.0398	0.57	23.12	8.12	Magnan 1922
Caprimulgiformes	Common Nighthawk	<i>Chordeiles minor</i>	0.52	0.030	0.48	17.64	7.63	G. Kaiser unpub.
Caprimulgiformes	Common Nighthawk	<i>Chordeiles minor</i>	0.753	0.03495		21.53		Poole 1938
Strigiformes	Saw-whet	<i>Aegolius acadicus</i>	0.85	0.032	0.48	26.41	7.20	G. Kaiser unpub.
Strigiformes	Saw-whet	<i>Aegolius acadicus</i>	1.080	0.042		25.71		Poole 1938
Strigiformes		<i>Asio brachyotus</i>	3.700	0.123	0.97	30.08	7.9478313	Greenewalt 1960
Strigiformes	Short-eared Owl	<i>Asio flammeus</i>	3.900	0.1396		27.94	7.3388365	Magnan 1922
Strigiformes	Short-eared Owl	<i>Asio flammeus</i>	2.500	0.144		17.36	6.0840259	J.M.V. Rayner unpub.
Strigiformes	Short-eared Owl	<i>Asio flammeus</i>	4.000	0.119		33.61		J.M.V. Rayner unpub.
Strigiformes	Screech Owl	<i>Asio naevius F</i>	2.540	0.0476		53.36		Poole 1938
Strigiformes	Screech Owl	<i>Asio naevius M</i>	1.780	0.0523		34.03		Poole 1938
Strigiformes	Long-eared Owl	<i>Asio otus</i>	2.470	0.11		22.45	8.19	Magnan 1922
Strigiformes	Long-eared Owl	<i>Asio otus</i>	2.515	0.112	1.03	22.524	8.2177011	Greenewalt 1960
Strigiformes	Long-eared Owl	<i>Asio otus F</i>	2.880	0.120				Poole 1938
Strigiformes	Long-eared Owl	<i>Asio otus M</i>	2.300	0.118				Poole 1938
Strigiformes	Little Owl	<i>Athene noctua</i>	1.615	0.0459		35.19	7.54	Magnan 1922
Strigiformes	Eagle Owl	<i>Bubo bubo</i>	27.00			43.00	5.90	Brooks and Birkhead 1991
Strigiformes	Eagle Owl	<i>Bubo bubo</i>	17.200	0.3715		46.30	7.25	Magnan 1922
Strigiformes	Great-horned Owl	<i>Bubo v. pacificus</i>	14.800	0.2426		61.01		Poole 1938
Strigiformes	Great-horned Owl	<i>Bubo v. virginianus</i>	14.465	0.2534		57.08		Poole 1938
Strigiformes	Pygmy Owl	<i>Glaucidium passerinum</i>	1.290	0.0442		29.19		J.M.V. Rayner unpub.
Strigiformes	Pygmy Owl	<i>Glaucidium passerinum</i>	1.230	0.0394		31.22		J.M.V. Rayner unpub.
Strigiformes	Snowy Owl	<i>Nyctea nyctea</i>	14.040	0.2576		54.50		Poole 1938
Strigiformes	Scops Owl	<i>Otus scops</i>	0.498	0.0405		12.28	5.7	Brooks and Birkhead 1991
Strigiformes	Tawny Owl	<i>Strix aluco</i>	4.180	0.130	0.95		6.91	Magnan 1922
Strigiformes	Tawny Owl	<i>Strix aluco</i>	5.00			27.00	5.70	Brooks and Birkhead 1991
Strigiformes	Barred Owl	<i>Strix varia</i>	5.100	0.183		27.87		Poole 1938
Strigiformes	Barn Owl (Euro)	<i>Tyto alba</i>	2.80	0.120	1.00	23.33	8.33	Tennekes 1998
Strigiformes	Barn Owl (Euro)	<i>Tyto alba pratincola</i>	5.050	0.1683	1.12	30.01		Tennekes 1998 (Poole 1938)

Apodiformes	Chimney Swift	<i>Chaetura pelagica</i>	0.17	0.010	0.31	17.00	9.61	Tennekes 1998
Apodiformes	Euro swift	<i>Apus apus</i>	0.36	0.017	0.42	21.18	10.38	Tennekes 1998
Apodiformes	Trochilidae	<i>Aglaeactis</i>	0.073	0.00526		13.88		Greenewalt 1960
Apodiformes	Trochilidae	<i>Amazila</i>	0.038	0.00207		18.36		Greenewalt 1960
Apodiformes	Trochilidae	<i>Amazila</i>	0.052	0.00339		15.34		Greenewalt 1960
Apodiformes	Trochilidae	<i>Amazilia</i>	0.040	0.00178		22.47		Greenewalt 1960
Apodiformes	Trochilidae	<i>Amazilia</i>	0.041	0.00178		23.03		Greenewalt 1960
Apodiformes	Trochilidae	<i>Anisoterus</i>	0.056	0.00273		20.51		Greenewalt 1960
Apodiformes	Trochilidae	<i>Anthracothorax</i>	0.068	0.00348		19.54		Greenewalt 1960
Apodiformes	Trochilidae	<i>Aphantochroa</i>	0.069	0.00319		21.63		Greenewalt 1960
Apodiformes	Trochilidae	<i>Archilochus</i>	0.026	0.001275		20.00		Greenewalt 1960
Apodiformes	Trochilidae	<i>Archilochus</i>	0.030	0.00124		24.03		Greenewalt 1960
Apodiformes	Black-chinned Hummingbird	<i>Archilochus alexandri</i>	0.03	0.001	0.09	20.00	6.23	Tennekes 1998 (Poole 1938)
Apodiformes	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	0.03	0.001	0.09	24.03	6.75	Tennekes 1998 (Poole 1938)
Apodiformes	Trochilidae	<i>Augastes</i>	0.038	0.00207		18.36		Greenewalt 1960
Apodiformes	Trochilidae	<i>Boissonneaua</i>	0.081	0.00421		19.24		Greenewalt 1960
Apodiformes	Trochilidae	<i>Calliphlox</i>	0.028	0.000774		36.18		Greenewalt 1960
Apodiformes	Trochilidae	<i>Calliphlox</i>	0.028	0.000774		36.18		Greenewalt 1960
Apodiformes	Amethyst Woodstar	<i>Calliphlox amethystina</i>	0.02			32.00	8.10	Brooks and Birkhead 1991
Apodiformes	Trochilidae	<i>Campylopterus</i>	0.076	0.00368		20.65		Greenewalt 1960
Apodiformes	Trochilidae	<i>Chlorestes</i>	0.038	0.0017		22.35		Greenewalt 1960
Apodiformes	Trochilidae	<i>Chrysolampis</i>	0.041	0.00231		17.75		Greenewalt 1960
Apodiformes	Trochilidae	<i>Clytolaema</i>	0.068	0.00389		17.48		Greenewalt 1960
Apodiformes	Trochilidae	<i>Clytolaema</i>	0.065	0.003		21.67		Greenewalt 1960
Apodiformes	Trochilidae	<i>Coeligena</i>	0.078	0.00399		19.55		Greenewalt 1960
Apodiformes	Trochilidae	<i>Colibri</i>	0.089	0.0049		18.16		Greenewalt 1960
Apodiformes	Trochilidae	<i>Colibri</i>	0.071	0.00358		19.83		Greenewalt 1960
Apodiformes	Trochilidae	<i>Colibri</i>	0.060	0.00348		17.24		Greenewalt 1960
Apodiformes	Trochilidae	<i>Discosura</i>	0.037	0.00144		25.69		Greenewalt 1960
Apodiformes	Trochilidae	<i>Ensifera</i>	0.125	0.00421		29.69		Greenewalt 1960
Apodiformes	Trochilidae	<i>Eriocnemus</i>	0.070	0.00368		19.02		Greenewalt 1960
Apodiformes	Trochilidae	<i>Eupetomena</i>	0.075	0.00399		18.80		Greenewalt 1960
Apodiformes	Trochilidae	<i>Eupetomena</i>	0.070	0.00368		19.02		Greenewalt 1960
Apodiformes	Trochilidae	<i>Eupherusa eximia</i>	0.029	0.00154	0.13	18.51	10.97	Greenewalt 1960
Apodiformes	Trochilidae	<i>Florisuga</i>	0.062	0.00319		19.44		Greenewalt 1960

Apodiformes	Trochilidae	<i>Florisuga</i>	0.067	0.00319		21.00		Greenewalt 1960
Apodiformes	Trochilidae	<i>Glaucis</i>	0.070	0.00231		30.30		Greenewalt 1960
Apodiformes	Trochilidae	<i>Heliangelus</i>	0.071	0.00328		21.65		Greenewalt 1960
Apodiformes	Trochilidae	<i>Heliomaster</i>	0.053	0.00223		23.77		Greenewalt 1960
Apodiformes	Trochilidae	<i>Heliothrix</i>	0.059	0.003		19.67		Greenewalt 1960
Apodiformes	Trochilidae	<i>Hylocharis</i>	0.046	0.00222		20.72		Greenewalt 1960
Apodiformes	Trochilidae	<i>Hylocharis</i>	0.034	0.00185		18.38		Greenewalt 1960
Apodiformes	Trochilidae	<i>Hylocharis</i>	0.037	0.00192		19.27		Greenewalt 1960
Apodiformes	Trochilidae	<i>Hylocharis</i>	0.042	0.00192		21.88		Greenewalt 1960
Apodiformes	Trochilidae	<i>Leucochloris</i>	0.060	0.00256		23.44		Greenewalt 1960
Apodiformes	Trochilidae	<i>Lophornis</i>	0.021	0.001135		18.50		Greenewalt 1960
Apodiformes	Trochilidae	<i>Lophornis</i>	0.023	0.001135		20.26		Greenewalt 1960
Apodiformes	Trochilidae	<i>Lophornis</i>	0.030	0.001135		26.43		Greenewalt 1960
Apodiformes	Trochilidae	<i>Melanotrochilus</i>	0.068	0.00456		14.91		Greenewalt 1960
Apodiformes	Trochilidae	<i>Patagona</i>	0.200	0.012		16.67		Greenewalt 1960
Apodiformes	Giant Hummingbird	<i>Patagona gigas</i>	0.20			31.00	10.30	Brooks and Birkhead 1991
Apodiformes	Trochilidae	<i>Phaethornis</i>	0.070	0.00256		27.34		Greenewalt 1960
Apodiformes	Trochilidae	<i>Phaiolaema</i>	0.067	0.003		22.33		Greenewalt 1960
Apodiformes	Trochilidae	<i>Pigmornis</i>	0.024	0.00087		27.59		Greenewalt 1960
Apodiformes	Trochilidae	<i>Pigmornis</i>	0.031	0.00131		23.66		Greenewalt 1960
Apodiformes	Trochilidae	<i>Pigmornis</i>	0.023	0.000774		29.72		Greenewalt 1960
Apodiformes	Trochilidae	<i>Popelairia</i>	0.032	0.000922		34.71		Greenewalt 1960
Apodiformes	Trochilidae	<i>Popelairia</i>	0.030	0.000774		38.76		Greenewalt 1960
Apodiformes	Trochilidae	<i>Prasites</i>	0.031	0.00137		22.63		Greenewalt 1960
Apodiformes	Trochilidae	<i>Stephanoxis</i>	0.042	0.00207		20.29		Greenewalt 1960
Apodiformes	Trochilidae	<i>Stephanoxis</i>	0.041	0.00192		21.35		Greenewalt 1960
Apodiformes	Trochilidae	<i>Stephanoxis</i>	0.040	0.00192		20.83		Greenewalt 1960
Apodiformes	Trochilidae	<i>Thalurania</i>	0.044	0.00207		21.26		Greenewalt 1960
Apodiformes	Trochilidae	<i>Thalurania</i>	0.042	0.00215		19.53		Greenewalt 1960
Apodiformes	Trochilidae	<i>Thalurania</i>	0.043	0.00231		18.61		Greenewalt 1960
Apodiformes	Trochilidae	<i>Thalurania</i>	0.048	0.00207		23.19		Greenewalt 1960
Apodiformes	Stripe-tailed Hummingbird	<i>Eupherusa eximia</i>	0.03	0.002	0.01	18.17	11.06	Magnan 1922
Passeriformes	Linnet	<i>Acanthis cannabina</i>	0.16		0.25	16.13	6.42	Magnan 1922
Passeriformes	Reed Warbler	<i>Acrocephalus cirpaceus</i>	0.13		0.20	18.69	6.16	Magnan 1922
Passeriformes	Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	0.10		0.19	19.27	6.97	Magnan 1922

Passeriformes	Reed Warbler Euro	<i>Acrocephalus scirpaceus</i>	0.13	0.007	0.20	19.40	5.97	Tennekes 1998
Passeriformes	Long-tailed Tit Euro	<i>Aegithalos cadatus</i>	0.08	0.006	0.18	13.33	5.40	Tennekes 1998
Passeriformes	Long-tailed Tit	<i>Aegithalos caudatus</i>	0.08		0.19	13.53	5.96	Magnan 1922
Passeriformes	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	0.70	0.025				Poole 1938
Passeriformes	Skylark	<i>Alauda arvensis</i>	0.28		0.32	17.06	6.17	Magnan 1922
Passeriformes	Skylark Euro	<i>Alauda arvensis</i>	0.30	0.016	0.32	18.75	6.40	Tennekes 1998
Passeriformes	Grasshopper Sparrow	<i>Ammodramus savanarum</i>	0.19	0.009				Poole 1938
Passeriformes	Meadow Pipit	<i>Anthus pratensis</i>	0.18		0.26	18.23	6.95	Magnan 1922
Passeriformes	American Pipit	<i>Anthus spinoletta</i>	0.19	0.011				Poole 1938
Passeriformes	Tree Pipit	<i>Anthus trivialis</i>	0.21		0.29	16.27	6.53	Magnan 1922
Passeriformes	Tufted Titmouse Euro	<i>Baeolophus bicolor</i>	0.23	0.012	0.25	19.17	5.21	Tennekes 1998 (Poole 1938)
Passeriformes	Cedar Waxwing	<i>Bombycilla cedrorum</i>	0.25	0.013				Poole 1938
Passeriformes	Woodpecker Finch Galapagos	<i>Cactospiza pallida</i>			0.23		4.80	G. Kaiser unpub.
Passeriformes	Goldfinch Euro	<i>Carduelis carduelis</i>	0.17		0.25	17.74	6.66	Magnan 1922
Passeriformes	Greenfinch	<i>Carduelis chloris</i>	0.24		0.27	23.14	7.26	Magnan 1922
Passeriformes	Siskin Euro	<i>Carduelis spinus</i>	0.12		0.21	17.03	6.74	Magnan 1922
Passeriformes	Purple Finch	<i>Carpodacus pupureus</i>	0.25	0.010				Poole 1938
Passeriformes	Short-toed Treecreeper	<i>Certhia brachydactyla</i>	0.09		0.20	12.64	6.06	Magnan 1922
Passeriformes	Brown Creeper	<i>Certhia familiaris</i>	0.08	0.007				Poole 1938
Passeriformes	Chimney Swift (NOT PASSER)	<i>Chaetura pelagica</i>	0.17	0.010				Poole 1938
Passeriformes	Spotted Bowerbird	<i>Chlamydera maculata</i>	1.45		0.44		4.80	J-F. Savard unpub.
Passeriformes	Hawfinch	<i>Coccothraustes coccothraustes</i>	0.42		0.32	27.87	6.92	Magnan 1922
Passeriformes	Northern Parula	<i>Compsothlypis americana</i>	0.12	0.006				Poole 1938
Passeriformes	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	0.07	0.006	0.18	11.55	5.59	Tennekes 1998 (Poole 1938)
Passeriformes	American Crow	<i>Corvus brachyrhynchos</i>	5.53	0.134				Poole 1938
Passeriformes	Common Raven	<i>Corvus corax</i>	6.68	0.157	0.97	42.55	5.99	J.M.V. Rayner unpub.
Passeriformes	Hooded Crow	<i>Corvus cornix</i>	6.33		0.98	47.16	7.28	Magnan 1922
Passeriformes	Hooded Crow	<i>Corvus corone</i>	4.70		0.89	43.60	7.56	Magnan 1922
Passeriformes	Hooded Crow	<i>Corvus corone I</i>	5.50	0.120	0.78	45.83	5.07	J.M.V. Rayner unpub.
Passeriformes	Hooded Crow	<i>Corvus corone II</i>	4.60			37.00	6.80	J.M.V. Rayner unpub.
Passeriformes	Rook	<i>Corvus frugilegus</i>	4.70		0.97	33.25	6.81	Magnan 1922
Passeriformes	Jackdaw	<i>Corvus monedula</i>	2.53		0.71	37.30	7.54	Magnan 1922
Passeriformes	Fish Crow	<i>Corvus ossifragus F</i>	2.74	0.091				Poole 1938
Passeriformes	Fish Crow	<i>Corvus ossifragus M</i>	3.09	0.107				Poole 1938
Passeriformes	Pinyon Jay	<i>Cyanocephalus cyanocephalus</i>	1.08	0.039				Poole 1938
Passeriformes	Blue Jay	<i>Cyanocitta cristata</i>	0.89	0.024	0.38	37.08	6.02	Tennekes 1998 (Poole 1938)

Passeriformes	Green Jay	<i>Cyanocorax yncas</i>	0.71		0.37	22.14	4.41	Magnan 1922
Passeriformes	House Martin Euro	<i>Delichon urbica</i>	0.14		0.29	15.30	9.24	Magnan 1922
Passeriformes	House Martin Euro	<i>Delichon urbica</i>	0.16	0.010	0.29	16.00	8.41	Tennekes 1998
Passeriformes	Black-throated Blue Warbler	<i>Dendroica caerulescens</i>	0.09	0.007				Poole 1938
Passeriformes	Myrtle Warbler	<i>Dendroica coronata</i>	0.16	0.009				Poole 1938
Passeriformes	Magnolia Warbler	<i>Dendroica magnolia</i>	0.09	0.007	0.20	13.33	5.90	Tennekes 1998 (Poole 1938)
Passeriformes	Chestnut-sided Warbler	<i>Dendroica pennsylvanica</i>	0.11	0.006				Poole 1938
Passeriformes	Yellow Warbler Galapagos	<i>Dendroica petechia aureola</i>			0.21		4.91	G. Kaiser unpub.
Passeriformes	Black-throated Green Warbler	<i>Dendroica virens</i>	0.09	0.006				Poole 1938
Passeriformes	Cinnamon-bellied Flower-Piercer	<i>Diglossa baritula</i>	0.09	0.006	0.16	15.90	4.38	G. Kaiser unpub.
Passeriformes	Catbird	<i>Dumetella carolinensis</i>	0.39	0.015				Poole 1938
Passeriformes	Rock Bunting	<i>Emberiza cia</i>	0.21		0.26	19.46	6.18	Magnan 1922
Passeriformes	Cirl Bunting	<i>Emberiza cirrus</i>	0.23		0.25	21.80	5.91	Magnan 1922
Passeriformes	Yellowhammer	<i>Emberiza citrinella</i>	0.25		0.28	18.87	6.06	Magnan 1922
Passeriformes	Ortolan	<i>Emberiza hortulana</i>	0.33		0.27	26.59	6.10	Magnan 1922
Passeriformes	Reed Bunting	<i>Emberiza schoeniclus</i>	0.20		0.26	17.21	5.71	Magnan 1922
Passeriformes	Euro robin	<i>Erithacus rubecula</i>	0.18		0.23	19.78	5.85	Magnan 1922
Passeriformes	Euro robin	<i>Erithacus rubecula</i>	0.18	0.009	0.23	20.00	5.88	Tennekes 1998
Passeriformes	Pied Flycatcher	<i>Ficedula hypoleuca</i>	0.13		0.24	13.48	6.53	Magnan 1922
Passeriformes	Chaffinch	<i>Fringilla coelebs</i>	0.21		0.28	20.27	7.93	Magnan 1922
Passeriformes	Brambling	<i>Fringilla montifringilla</i>	0.25		0.28	20.02	6.42	Magnan 1922
Passeriformes	Jay Euro	<i>Garrulus glandarius</i>	1.60		0.54	28.35	5.32	Magnan 1922
Passeriformes	Northern Yellowthroat	<i>Geothlypis trichas</i>	0.10	0.006				Tennekes 1998 (Poole 1938)
Passeriformes	Rose-breasted Grosbeak	<i>Hedymeles ludovicianus</i>	0.40	0.017				Poole 1938
Passeriformes	Black-headed Grosbeak	<i>Hedymeles melanocephalus</i>	0.45	0.020				Poole 1938
Passeriformes	Icterine Warbler	<i>Hippolais icterina</i>	0.11		0.20	13.06	5.23	Magnan 1922
Passeriformes	Barn Swallow	<i>Hirundo erythrogaster</i>	0.17	0.012	0.31	14.17	8.01	Tennekes 1998 (Poole 1938)
Passeriformes	Barn Swallow Euro	<i>Hirundo rustica</i>	0.18		0.33	13.37	8.07	Magnan 1922
Passeriformes	Barn Swallow Euro	<i>Hirundo rustica</i>	0.20	0.013	0.33	15.38	8.38	Tennekes 1998
Passeriformes	Veery	<i>Hylocichla fuscescens</i>	0.32	0.015				Poole 1938
Passeriformes	Hermit Thrush	<i>Hylocichla guttata</i>	0.30	0.012				Poole 1938
Passeriformes	Gray-cheeked Thrush	<i>Hylocichla minima</i>	0.34	0.015				Poole 1938
Passeriformes	Orchard Oriole	<i>Icterus spurius</i>	0.23	0.010	0.24	23.00	5.76	Tennekes 1998 (Poole 1938)
Passeriformes	Dark-eyed Junco	<i>Junco hyemalis</i>	0.22	0.010				Poole 1938
Passeriformes	Red-backed Shrike	<i>Lanius collurio</i>	0.31		0.29	16.71	4.49	Magnan 1922
Passeriformes	Great Grey Shrike	<i>Lanius excubitor</i>	0.51		0.35	23.64	6.01	Magnan 1922

Passeriformes	Woodchat Shrike	<i>Lanius senator</i>	0.26		0.31	17.80	6.87	Magnan 1922
Passeriformes	Crossbill Euro	<i>Loxia curvirostra</i>	0.48		0.32	28.03	6.11	Magnan 1922
Passeriformes	Nightingale	<i>Luscinia megarhyncha</i>	0.17		0.26	16.77	6.50	Magnan 1922
Passeriformes	Nightingale Euro	<i>Luscinia megarhynchos</i>	0.17	0.010	0.25	17.00	6.25	Tennekes 1998
Passeriformes	Bluethroat	<i>Luscinia svecica</i>	0.14		0.21	17.77	5.78	Magnan 1922
Passeriformes	Lincoln's Sparrow	<i>Melospiza lincolni</i>	0.18	0.007				Poole 1938
Passeriformes	Song Sparrow	<i>Melospiza melodia</i>	0.22	0.009	0.23	24.44	5.88	Tennekes 1998 (Poole 1938)
Passeriformes	Black-and-White Warbler	<i>Mniotilta varia</i>	0.11	0.007				Poole 1938
Passeriformes	Brown-headed Cowbird	<i>Molothrus ater</i>	0.51	0.018				Poole 1938
Passeriformes	Rock Thrush	<i>Monticola saxatilis</i>	0.48		0.35	29.20	7.89	Magnan 1922
Passeriformes	Blue Rock Thrush	<i>Monticola solitarius</i>	0.63		0.39	26.16	6.31	Magnan 1922
Passeriformes	White Wagtail	<i>Motacilla alba</i>	0.22	0.013	0.28	16.92	6.03	Tennekes 1998
Passeriformes	White Wagtail	<i>Motacilla alba</i>	0.22		0.28	16.35	6.07	Magnan 1922
Passeriformes	Grey Wagtail	<i>Motacilla cinerea</i>	0.16		0.25	17.06	6.90	Magnan 1922
Passeriformes	Yellow Wagtail	<i>Motacilla flava</i>	0.17		0.25	16.03	6.16	Magnan 1922
Passeriformes	Spotted Flycatcher	<i>Muscicapa striata</i>	0.14		0.27	11.81	5.99	Magnan 1922
Passeriformes	Winter Wren	<i>Nannus hiemalis</i>	0.09	0.004	0.16	22.93	6.24	Tennekes 1998 (Poole 1938)
Passeriformes	Nutcracker Euro	<i>Nucifraga caryocatactes</i>	1.61		0.60	30.66	6.95	Magnan 1922
Passeriformes	Golden Oriole	<i>Oriolus oriolus</i>	0.72	0.027	0.47	26.67	8.18	Tennekes 1998
Passeriformes	Golden Oriole	<i>Oriolus oriolus</i>	0.72		0.47	25.82	8.08	Magnan 1922
Passeriformes	Blue Tit Euro	<i>Parus caeruleus</i>	0.10	0.007	0.21	15.15	6.68	Tennekes 1998
Passeriformes	Blue Tit Euro	<i>Parus caeruleus</i>	0.11		0.21	16.35	6.91	Magnan 1922
Passeriformes	Crested Tit Eruo	<i>Parus cristatus</i>	0.10	0.007	0.20	13.70	5.48	Tennekes 1998
Passeriformes	Crested Tit Eruo	<i>Parus cristatus</i>	0.10		0.20	13.72	5.58	Magnan 1922
Passeriformes	Great Tit Euro	<i>Parus major</i>	0.21	0.010	0.23	21.00	5.29	Tennekes 1998
Passeriformes	Great Tit Euro	<i>Parus major</i>	0.21		0.23	20.65	5.35	Magnan 1922
Passeriformes	Marsh Tit	<i>Parus palustris communis</i>	0.12		0.21	16.03	6.08	Magnan 1922
Passeriformes	Marsh Tit	<i>Parus palustris longirostris</i>	0.11		0.20	16.68	6.21	Magnan 1922
Passeriformes	House Sparrow	<i>Passer domesticus</i>	0.25	0.009	0.23	28.00	5.29	Tennekes 1998 (Poole 1938)
Passeriformes	House Sparrow	<i>Passer domesticus</i>	0.30		0.25	29.11	6.27	Magnan 1922
Passeriformes	Tree Sparrow Euro	<i>Passer montanus</i>	0.15		0.22	19.62	6.25	Magnan 1922
Passeriformes	Fox Sparrow	<i>Passerella iliaca</i>	0.41	0.012				Poole 1938
Passeriformes	Indigo Bunting	<i>Passerina cyanea</i>	0.13	0.008				Poole 1938
Passeriformes	Black-capped Chickadee	<i>Penthestes atricapillus</i>	0.12	0.008	0.21	15.79	5.80	Tennekes 1998 (Poole 1938)
Passeriformes	Rock Sparrow	<i>Petronia petronia</i>	0.25		0.28	24.53	8.04	Magnan 1922
Passeriformes	Black Redstart	<i>Phoenicurus ochrurus</i>	0.17		0.27	13.59	5.94	Magnan 1922

Passeriformes	Redstart Euro	<i>Phoenicurus phoenicurus</i>	0.13	0.009	0.26	14.29	7.43	Tennekes 1998
Passeriformes	Redstart Euro	<i>Phoenicurus phoenicurus</i>	0.13		0.26	14.01	7.22	Magnan 1922
Passeriformes	Bonelli's Warbler	<i>Phylloscopus bonellii</i>	0.08		0.19	11.92	5.80	Magnan 1922
Passeriformes	Chiffchaff	<i>Phylloscopus collybita</i>	0.05		0.17	10.69	6.27	Magnan 1922
Passeriformes	Magpie Euro	<i>Pica pica</i>	2.14		0.59	32.81	5.48	Magnan 1922
Passeriformes	Magpie Euro	<i>Pica pica</i>	2.15			35.00	5.70	Tennekes 1998
Passeriformes	Pine Grosbeak	<i>Pinicola enucleator</i>	0.50	0.019				Poole 1938
Passeriformes	Spotted Towhee	<i>Pipilo erythrophthalmus</i>	0.42	0.015				Poole 1938
Passeriformes	Hepatic Tanager	<i>Piranga flava</i>	0.36	0.015				Poole 1938
Passeriformes	Vesper Sparrow	<i>Poecetes gramineus</i>	0.27	0.011				Poole 1938
Passeriformes	Purple Martin	<i>Progne subis</i>	0.43	0.019	0.41	22.63	8.85	Tennekes 1998 (Poole 1938)
Passeriformes	Dunnock	<i>Prunella modularis</i>	0.18		0.22	22.04	6.05	Magnan 1922
Passeriformes	Satin Bowerbird	<i>Ptilorhynchus violaceus</i>	1.86		0.49		5.51	J-F. Savard unpub.
Passeriformes	Alpine Chough	<i>Pyrrhonorax graculus</i>	2.23		0.78	21.95	6.14	Magnan 1922
Passeriformes	Chough	<i>Pyrrhonorax pyrrhonorax</i>	3.90		0.67	40.37	4.77	Magnan 1922
Passeriformes	Bullfinch	<i>Pyrrhula pyrrhula</i>	0.21		0.26	22.14	6.88	Magnan 1922
Passeriformes	Purple Grackle	<i>Quiscalus quiscula</i>	1.22	0.032				Poole 1938
Passeriformes	Goldcrest Euro	<i>Regulus regulus</i>	0.04		0.14	11.58	6.40	Magnan 1922
Passeriformes	Goldcrest Euro	<i>Regulus regulus</i>	0.04	0.003	0.14	12.50	6.13	Tennekes 1998
Passeriformes	Golden-crowned Kinglet	<i>Regulus satrapa</i>	0.06	0.005	0.17	11.37	5.67	Tennekes 1998 (Poole 1938)
Passeriformes	Sand Martin Euro	<i>Riparia riparia</i>	0.15	0.012	0.31	12.50	8.01	Tennekes 1998
Passeriformes	Sand Martin Euro	<i>Riparia riparia</i>	0.16		0.31	12.79	8.30	Magnan 1922
Passeriformes	Whinchat	<i>Saxicola rubetra</i>	0.13		0.24	12.96	5.61	Magnan 1922
Passeriformes	Stonechat	<i>Saxicola torquata</i>	0.11		0.22	14.62	6.09	Magnan 1922
Passeriformes	Say's Phoebe	<i>Sayornis phoebe</i>	0.20	0.013				Poole 1938
Passeriformes	Northern Waterthrush	<i>Seiurus noveboracensis</i>	0.15	0.009				Poole 1938
Passeriformes	Canary	<i>Serinus canaria</i>	0.08		0.22	11.20	6.69	Magnan 1922
Passeriformes	Citrel Finch	<i>Serinus citrinella</i>	0.12		0.24	15.87	8.10	Magnan 1922
Passeriformes	American Redstart	<i>Setophaga ruticilla</i>	0.08	0.006	0.18	12.70	5.14	Tennekes 1998 (Poole 1938)
Passeriformes	Western Bluebird	<i>Sialia mexicana</i>	0.18	0.015	0.29	12.63	5.88	G. Kaiser unpub.
Passeriformes	Eastern Bluebird	<i>Sialia sialis</i>	0.33	0.015				Poole 1938
Passeriformes	Nuthatch Euro	<i>Sitta europaea</i>	0.21		0.27	15.60	5.64	Magnan 1922
Passeriformes	American Goldfinch	<i>Spinus tristis</i>	0.14	0.008				Poole 1938
Passeriformes	American Tree Sparrow	<i>Spizella arborea</i>	0.18	0.009				Poole 1938
Passeriformes	Chipping Sparrow	<i>Spizella passerina</i>	0.14	0.009				Poole 1938
Passeriformes	Field Sparrow	<i>Spizella pusilla</i>	0.12	0.006				Poole 1938

Passeriformes	Rough-winged Swallow	<i>Steligopteryx ruficollis</i>	0.16	0.011	0.30	14.55	8.18	Tennekes 1998 (Poole 1938)
Passeriformes	Eastern Meadowlark	<i>Sturnella magna</i>	1.45	0.027				Poole 1938
Passeriformes	European Starling	<i>Sturnus vulgaris</i>	0.84	0.019				Poole 1938
Passeriformes	European Starling	<i>Sturnus vulgaris</i>	0.80		0.39	40.71	7.99	Magnan 1922
Passeriformes	European Starling	<i>Sturnus vulgaris</i>	0.84	0.019	0.37	44.21	7.21	Tennekes 1998
Passeriformes	Blackcap	<i>Sylvia atricapilla</i>	0.16		0.24	17.93	6.38	Magnan 1922
Passeriformes	Garden Warbler	<i>Sylvia borin</i>	0.16		0.24	20.70	7.43	Magnan 1922
Passeriformes	Whitethroat	<i>Sylvia communis</i>	0.19		0.23	21.01	5.83	Magnan 1922
Passeriformes	Tree Swallow	<i>Tachycineta bicolor</i>	0.20	0.013	0.32	15.38	7.88	Tennekes 1998 (Poole 1938)
Passeriformes	Wallcreeper	<i>Tichodroma muraria</i>	0.15		0.30	8.46	5.20	Magnan 1922
Passeriformes	House Wren	<i>Troglodytes aedon</i>	0.11	0.005	0.17	22.92	6.02	Tennekes 1998 (Poole 1938)
Passeriformes	Wren Euro	<i>Troglodytes troglodytes</i>	0.10		0.17	23.93	6.86	Magnan 1922
Passeriformes	Wren Euro	<i>Troglodytes troglodytus</i>	0.10	0.004	0.17	25.00	7.23	Tennekes 1998
Passeriformes	Redwing	<i>Turdus iliacus</i>	0.56		0.37	30.56	7.66	Magnan 1922
Passeriformes	Blackbird Euro	<i>Turdus merula</i>	0.90	0.025	0.40	36.00	6.40	Tennekes 1998
Passeriformes	Blackbird Euro	<i>Turdus merula</i>	0.92		0.41	34.54	6.33	Magnan 1922
Passeriformes	American Robin	<i>Turdus migratorius</i>	0.82	0.024	0.38	34.17	6.02	Tennekes 1998 (Poole 1938)
Passeriformes	Naumann's Thrush	<i>Turdus naumanni</i>	0.76		0.38	33.25	6.33	Magnan 1922
Passeriformes	Song Thrush	<i>Turdus philomelos</i>	0.70		0.37	36.20	7.08	Magnan 1922
Passeriformes	Fieldfare	<i>Turdus pilaris</i>	0.98		0.43	42.65	8.16	Magnan 1922
Passeriformes	Ring Ouzel	<i>Turdus torquatus</i>	0.97		0.43	42.65	8.20	Magnan 1922
Passeriformes	Mistle Thrush	<i>Turdus viscivorus</i>	1.06		0.44	33.83	6.30	Magnan 1922
Passeriformes	Blue-headed Vireo	<i>Vireo solitarius</i>	0.17	0.009				Poole 1938
Passeriformes	White-throated Sparrow	<i>Zonotrichia albicollis</i>	0.27	0.011				Poole 1938
Columbiformes	Rock Dove Euro	<i>Columba livia</i>	3.14	0.057				Poole 1938
Columbiformes	Rock Dove Euro	<i>Columba livia</i>	2.90	0.075	0.80	38.67	8.53	Tennekes 1998
Columbiformes	Feral Pigeon	<i>Columba livia</i>	3.50			55.00	7.20	Brooks and Birkhead 1991
Columbiformes	Stock Dove	<i>Columba oenas</i>	3.06		0.65	56.38	8.02	Magnan 1922
Columbiformes	Woodpigeon	<i>Columba palumbus</i>	4.60			58.00	6.60	Brooks and Birkhead 1991
Columbiformes	Woodpigeon	<i>Columba palumbus</i>	4.95		0.75	60.93	7.09	Magnan 1922
Columbiformes	Turtle Dove	<i>Streptopelia turtur</i>	1.78		0.53	46.49	7.44	Magnan 1922
Columbiformes	Mourning Dove	<i>Zenadia macroura</i>	1.20	0.032	0.45	37.50	6.22	G. Kaiser unpub.
Columbiformes	Mourning Dove	<i>Zenadia macroura</i>	1.30	0.038				Poole 1938
Gruiformes	Corncrake	<i>Crex crex</i>	1.55		0.48	47.85	7.19	Magnan 1922

Gruiformes	American Coot	<i>Fulica americana</i>	4.35	0.060	0.64	72.50	6.83	Tennekes 1998 (Poole 1938)
Gruiformes	European Coot	<i>Fulica atra</i>	5.78		0.72	91.68	8.49	Magnan 1922
Gruiformes	Moorhen Euro	<i>Gallinula chloropus</i>	3.00	0.050	0.60	60.00	7.20	Tennekes 1998
Gruiformes	Florida Gallinule	<i>Gallinula chloropus cachinans</i>	3.32	0.048				Poole 1938
Gruiformes	Whooping Crane	<i>Grus americana</i>	68.00	0.600	2.20	113.3	8.07	Tennekes 1998
Gruiformes	Sandhill Crane	<i>Grus canadensis</i>	45.00	0.500	2.00	90.00	8.00	Tennekes 1998
Gruiformes	Common Crane	<i>Grus grus</i>	41.75		2.11	73.76	8.01	Magnan 1922
Gruiformes	Common Crane	<i>Grus grus</i>	48.00			85.00	7.30	Brooks and Birkhead 1991
Gruiformes	Great Bustard	<i>Otis tarda</i>	79.50			154.00	8.10	Brooks and Birkhead 1991
Gruiformes	Great Bustard	<i>Otis tarda</i>	89.50		2.08	153.28	7.53	Magnan 1922
Gruiformes	Little Bustard	<i>Otis tetrax</i>	8.30		0.86	78.48	7.21	Magnan 1922
Gruiformes	Sora	<i>Porzana carolina</i>	0.75	0.018				Poole 1938
Gruiformes	Spotted Crake	<i>Porzana porzana</i>	0.69		0.39	29.73	6.81	Magnan 1922
Gruiformes	Water Rail	<i>Rallus aquaticus</i>	1.28		0.41	48.09	6.54	Magnan 1922
Gruiformes	Virginia Rail	<i>Rallus limicola</i>	0.65	0.022				Poole 1938
Charadriiformes A	Spotted Sandpiper	<i>Actitis macularia</i>	0.48	0.015	0.36	32.00	8.64	Tennekes 1998 (Poole 1938)
Charadriiformes A	Ruddy Turnstone	<i>Arenaria interpres</i>	1.50	0.037	0.55	40.54	8.18	Tennekes 1998
Charadriiformes A	Ruddy Turnstone	<i>Arenaria interpres</i>	1.08		0.48	49.55	10.61	Magnan 1922
Charadriiformes A	Stone Curlew	<i>Burhinus oedicephalus</i>	5.22		0.84	67.66	9.26	Magnan 1922
Charadriiformes A	Sanderling	<i>Calidris alba</i>	0.42		0.35	25.68	7.84	Magnan 1922
Charadriiformes A	Dunlin	<i>Calidris alpina</i>	0.52	0.018	0.39	29.18	8.58	G. Kaiser unpub.
Charadriiformes A	Dunlin	<i>Calidris alpina</i>	0.44		0.36	34.30	10.30	Magnan 1922
Charadriiformes A	Knot	<i>Calidris canutus</i>	0.88		0.50	32.06	9.38	Magnan 1922
Charadriiformes A	Western Sandpiper	<i>Calidris mauri</i>	0.33	0.009	0.29	35.26	8.99	G. Kaiser unpub.
Charadriiformes A	Wilson's Snipe	<i>Capella delictata</i>	1.12	0.025				Poole 1938
Charadriiformes A	Ringed Plover	<i>Charadrius hiaticula</i>	0.62		0.41	32.48	8.87	Magnan 1922
Charadriiformes A	Killdeer	<i>Charadrius vociferus</i>	0.85	0.028				Poole 1938
Charadriiformes A	Sheathbill	<i>Chionis alba</i>	6.10	0.105	0.82	58.10	6.44	van Franeker 2001
Charadriiformes A	Dotterel	<i>Eudromius morinellus</i>	0.90		0.47	35.80	8.81	Magnan 1922
Charadriiformes A	Snipe	<i>Gallinago gallinago</i>	0.96		0.45	38.47	8.24	Magnan 1922
Charadriiformes A	Oystercatcher Euro	<i>Haematopus ostragalus</i>	4.20			64.00	9.70	Brooks and Birkhead 1991
Charadriiformes A	Oystercatcher Euro	<i>Haematopus ostragalus</i>	4.38		0.81	69.08	10.42	Magnan 1922
Charadriiformes A	Jack Snipe	<i>Limnocryptes minimus</i>	0.57		0.39	31.44	8.66	Magnan 1922
Charadriiformes A	Bar-tailed Godwit	<i>Limosa lapponica</i>	1.97		0.73	37.16	10.34	Magnan 1922
Charadriiformes A	Black-tailed Godwit	<i>Limosa limosa</i>	2.20			35.00	7.20	Brooks and Birkhead 1991

Charadriiformes A	Black-tailed Godwit	<i>Limosa limosa</i>	2.28		0.69	42.47	9.05	Magnan 1922
Charadriiformes A	Curlew	<i>Numenius arquatus</i>	7.68		1.04	64.12	9.28	Magnan 1922
Charadriiformes A	American Woodcock	<i>Philohela minor</i>	1.99	0.035				Poole 1938
Charadriiformes A	Ruff	<i>Philomachus pugnax</i>	1.80		0.63	38.62	8.75	Magnan 1922
Charadriiformes A	Pectoral Sandpiper	<i>Pisobia melanotos</i>	1.01	0.020				Poole 1938
Charadriiformes A	Golden Plover	<i>Pluvialis apricaria</i>	1.78		0.59	49.05	9.61	Magnan 1922
Charadriiformes A	Grey Plover	<i>Pluvialis squatarola</i>	2.16		0.65	51.36	10.37	Magnan 1922
Charadriiformes A	King Rail	<i>Rallus elegans</i>	2.27	0.054				Poole 1938
Charadriiformes A	Avocet	<i>Recurvirostra avosetta</i>	2.80			35.00	7.30	Magnan 1922
Charadriiformes A	Avocet	<i>Recurvirostra avosetta</i>	2.95		0.77	42.28	8.71	Magnan 1922
Charadriiformes A	Woodcock	<i>Scolopax rusticola</i>	3.22		0.66	53.03	7.42	Magnan 1922
Charadriiformes A	Spotted Redshank	<i>Tringa erythropus</i>	1.33		0.54	40.04	8.98	Magnan 1922
Charadriiformes A	Common Sandpiper	<i>Tringa hypoleucus</i>	0.49		0.36	32.16	8.63	Magnan 1922
Charadriiformes A	Common Sandpiper	<i>Tringa hypoleucus</i>	0.50	0.015	0.36	33.33	8.64	Tennekes 1998
Charadriiformes A	Greater Yellowlegs	<i>Tringa melanoleucus</i>	1.70	0.041				Poole 1938
Charadriiformes A	Greenshank	<i>Tringa nebularia</i>	1.56		0.61	37.73	9.12	Magnan 1922
Charadriiformes A	Green sandpiper	<i>Tringa ochropus</i>	0.73		0.47	28.77	8.97	Magnan 1922
Charadriiformes A	Solitary Sandpiper	<i>Tringa solitaria</i>	0.47	0.019				Poole 1938
Charadriiformes A	Redshank	<i>Tringa totanus</i>	1.33		0.52	35.67	7.27	Magnan 1922
Charadriiformes A	Lapwing	<i>Vanellus vanellus</i>	2.10		0.75	31.04	8.44	Magnan 1922
Charadriiformes A	Lapwing	<i>Vanellus vanellus</i>	2.20			28.00	7.60	Brooks and Birkhead 1991
Charadriiformes B	Black Noddy	<i>Anous minutus</i>						
Charadriiformes B	Brown Noddy	<i>Anous stolidus</i>	1.90	0.080	0.85	23.38	9.67	Hertel and Ballance 1999
Charadriiformes B	Great Skua	<i>Catharacta Skua</i>	16.90	0.241	1.43	70.12	8.49	J.M.V. Rayner unpub.
Charadriiformes B	Great Skua	<i>Catharacta skua</i>	13.50	0.214	1.37	63.08	8.77	Tennekes 1998
Charadriiformes B	White Tern	<i>Gygis alba</i>	1.10	0.040	0.70	23.54	11.12	Hertel and Ballance 1999
Charadriiformes B	Herring Gull	<i>Larus argentatus</i>	11.89		1.43	55.42	9.72	Magnan 1922
Charadriiformes B	Herring Gull	<i>Larus argentatus</i>	9.50	0.203	1.36	46.80	9.11	Tennekes 1998
Charadriiformes B	Herring Gull	<i>Larus argentatus</i>	8.50	0.201				Poole 1938
Charadriiformes B	Laughing Gull	<i>Larus atricilla</i>	3.25	0.106	1.03	30.66	10.01	Tennekes 1998
Charadriiformes B	Common Gull Euro	<i>Larus canus</i>	3.67		1.08	31.34	10.17	Magnan 1922
Charadriiformes B	Common Gull Euro	<i>Larus canus</i>	5.00	0.150	1.20	33.33	9.60	Tennekes 1998
Charadriiformes B	Kelp Gull	<i>Larus dominicanus</i>	8.90	0.228	1.41	39.04	8.72	J.M.V. Rayner unpub.
Charadriiformes B	Great Black-backed Gull	<i>Larus marinus</i>	19.15		1.73	69.08	10.96	Magnan 1922
Charadriiformes B	Great Black-backed Gull	<i>Larus marinus</i>	19.00	0.270	1.73	70.37	11.08	Tennekes 1998

Charadriiformes B	Franklin's Gull	<i>Larus pipixcan</i>	2.50	0.080	0.95	31.25	11.28	Tennekes 1998
Charadriiformes B	Black-headed Gull Euro	<i>Larus ridibundus</i>	2.61	0.085	0.97	30.59	11.06	Magnan 1922
Charadriiformes B	Black Skimmer	<i>Rhynchops niger</i>	3.00	0.089	0.99	33.71	11.01	Tennekes 1998
Charadriiformes B	Black-legged Kittiwake	<i>Rissa tridactyla</i>	4.90	0.097	1.05	50.52	11.37	Tennekes 1998
Charadriiformes B	Parasitic Jaeger	<i>Stercorarius parasiticus</i>	3.90	0.117	1.05	33.33	9.42	Tennekes 1998
Charadriiformes B	Parasitic Jaeger	<i>Stercorarius parasiticus</i>	4.20			40.00	10.60	J.M.V. Rayner unpub.
Charadriiformes B	Sooty Tern	<i>Sterna fuscata</i>	2.00	0.070	0.90	26.92	11.23	Hertel and Ballance 1999
Charadriiformes B	Common Tern	<i>Sterna hirundo</i>	1.18	0.053	0.82	22.64	12.69	Tennekes 1998
Charadriiformes B	Grey-backed Tern	<i>Sterna lunata</i>						
Charadriiformes B	Royal Tern	<i>Sterna maxima</i>	4.70	0.108	1.15	43.52	12.25	Tennekes 1998
Charadriiformes C	Crested Auklet	<i>Aethia cristatella</i>	2.86					
Charadriiformes C	Least Auklet	<i>Aethia pusilla</i>	0.92					
Charadriiformes C	Whiskered Auklet	<i>Aethia pygmaea</i>	2.24					
Charadriiformes C	Razorbill	<i>Alca torda</i>	6.20	0.046	0.66	134.78	9.47	Tennekes 1998
Charadriiformes C	Dovekie	<i>Alle alle</i>	0.90		0.39		8.97	Greenewalt 1960
Charadriiformes C	Dovekie	<i>Alle alle</i>	0.96	0.015				Poole 1938
Charadriiformes C	Kittlitz's Murrelet	<i>Brachyramphus brevirostris</i>	2.22					
Charadriiformes C	Marbled Murrelet	<i>Brachyramphus marmoratus</i>	2.40	0.019	0.44	134.25	10.63	G. Kaiser unpub.
Charadriiformes C	Pigeon Guillemot	<i>Cephus columba</i>	4.84	0.048	0.60	100.16	9.57	G. Kaiser unpub.
Charadriiformes C	Black Guillemot	<i>Cephus grylle</i>	4.10					
Charadriiformes C	Rhinoceros Auklet	<i>Cerorhinca monocerata</i>	5.44	0.043		127.55	9.91	G. Kaiser unpub.
Charadriiformes C	Parakeet Auklet	<i>Cyclorhyncha psittacula</i>	2.88					
Charadriiformes C	Atlantic Puffin	<i>Fratercula arctica</i>	2.72		0.56	77.24	9.22	Magnan 1922
Charadriiformes C	Atlantic Puffin	<i>Fratercula arctica</i>	4.00	0.037	0.55	108.11	8.18	Tennekes 1998
Charadriiformes C	Tufted Puffin	<i>Fratercula cirrhata</i>	7.87	0.062	0.70	127.00	7.91	G. Kaiser unpub.
Charadriiformes C	Horned Puffin	<i>Fratercula corniculata</i>	5.94					
Charadriiformes C	Cassins Auklet	<i>Ptychoramphus aleuticus</i>	1.73	0.023	0.43	74.82	7.91	G. Kaiser unpub.
Charadriiformes C	Ancient Murrelet	<i>Synthliboramphus antiquus</i>	2.69	0.022	0.46	120.40	9.49	G. Kaiser unpub.
Charadriiformes C	Xantus Murrelet	<i>Synthliboramphus hypoleuca</i>	1.67					
Charadriiformes C	Common Murre 1	<i>Uria aalge</i>	9.50	0.054	0.71	175.93	9.34	Tennekes 1998
Charadriiformes C	Common Murre 2	<i>Uria aalge</i>	9.85	0.048		205.56	11.34	G. Kaiser unpub.
Charadriiformes C	Thick-billed Murre	<i>Uria lomvia</i>	9.00					
Falconiformes	Northern Goshawk	<i>Accipiter atricapillus</i>	11.00	0.174	1.11	63.79	7.08	Magnan 1922
Falconiformes	Northern Goshawk	<i>Accipiter atricapillus M</i>	8.49	0.148				Poole 1938

Falconiformes	Coopers Hawk	<i>Accipiter cooperi</i>	4.29	0.090	0.71	47.56	5.60	Tennekes 1998 (Poole 1938)
Falconiformes	Goshawk Euro	<i>Accipiter gentilis</i>	7.00	0.260	1.25	26.92	6.01	Magnan 1922
Falconiformes	Goshawk Euro	<i>Accipiter gentilis</i>	7.08		1.01	52.74	7.70	Tennekes 1998
Falconiformes	Northern Goshawk	<i>Accipiter gentilis f</i>	13.70	0.200				Poole 1938
Falconiformes	Sparrowhawk I Euro	<i>Accipiter nisus</i>	2.00	0.068	0.74	29.41	8.05	Tennekes 1998
Falconiformes	Sparrowhawk II Euro	<i>Accipiter nisus</i>	2.50	0.080	0.75	31.25	7.03	Tennekes 1998
Falconiformes	Sparrowhawk II Euro	<i>Accipiter nisus F</i>	2.21		0.75	26.37	6.84	Magnan 1922
Falconiformes	Sparrowhawk II Euro	<i>Accipiter nisus M</i>	3.66		0.40	25.15	11.37	Tennekes 1998
Falconiformes	Sharp-shinned Hawk	<i>Accipiter velox</i>	1.71	0.061				Poole 1938
Falconiformes	Sharp-shinned Hawk	<i>Accipiter velox</i>	1.34	0.052	0.53	25.77	5.40	Tennekes 1998
Falconiformes	Sharp-shinned Hawk	<i>Accipiter velox M</i>	0.98	0.044				Poole 1938
Falconiformes	White-headed Vulture I	<i>Aegypius occipitalis</i>	37.00	0.667	2.23	55.00	7.50	Tennekes 1998
Falconiformes	White-headed Vulture II	<i>Aegypius occipitalis</i>	39.70	0.601	2.16	65.00	7.80	Tennekes 1998
Falconiformes	Golden Eagle	<i>Aquila c. chrysaetos</i>	46.64	0.652	2.00	71.69	6.15	Tennekes 1998 (Poole 1938)
Falconiformes	Golden Eagle	<i>Aquila chrysaetos</i>	37.12		2.12	67.66	8.36	Magnan 1922
Falconiformes	Golden Eagle Euro	<i>Aquila chrysaetus</i>	37.00	0.540	2.10	68.52	8.17	Brooks and Birkhead 1991
Falconiformes	Tawny Eagle	<i>Aquila rapax</i>	20.00			44.00	7.10	Tennekes 1998
Falconiformes	Buzzard Euro	<i>Buteo buteo</i>	10.00	0.270	1.35	37.04	6.75	Tennekes 1998
Falconiformes	Buzzard Euro	<i>Buteo buteo</i>	10.27		1.32	37.44	6.49	Tennekes 1998
Falconiformes	Red-tailed Hawk	<i>Buteo jamaicensis</i>	8.75	0.188				Poole 1938
Falconiformes	Red-tailed Hawk	<i>Buteo jamaicensis</i>	13.07	0.229				Poole 1938
Falconiformes	Red-tailed Hawk	<i>Buteo jamaicensis</i>	10.90	0.209	1.22	52.15	7.12	Tennekes 1998
Falconiformes	Rough-winged Hawk	<i>Buteo lagopus</i>	11.10	0.259				Poole 1938
Falconiformes	Red-shouldered Hawk	<i>Buteo lineatus</i>	8.04	0.166	1.02	48.19	6.27	Tennekes 1998 (Poole 1938)
Falconiformes	Broad-winged Hawk	<i>Buteo platypterus</i>	3.76	0.101	0.84	37.23	6.99	Tennekes 1998 (Poole 1938)
Falconiformes	Short-toed Eagle	<i>Circaetus gallicus</i>	16.55		1.81	39.40	7.95	Tennekes 1998
Falconiformes	Marsh Harrier Euro	<i>Circus aeruginosus</i>	7.00	0.220	1.35	31.82	8.28	Magnan 1922
Falconiformes	Marsh Harrier Euro	<i>Circus aeruginosus</i>	6.80		1.35	29.46	7.99	Tennekes 1998
Falconiformes	Hen Harrier	<i>Circus cyaneus F</i>	4.72		1.17	26.30	7.75	Tennekes 1998
Falconiformes	Hen Harrier	<i>Circus cyaneus M</i>	3.31		1.04	23.08	7.76	Tennekes 1998
Falconiformes	Norther Harrier	<i>Circus hudsonicus</i>	5.14	0.154	1.07	33.38	7.43	Tennekes 1998
Falconiformes	Norther Harrier	<i>Circus hudsonicus F</i>	6.14	0.170				Poole 1938
Falconiformes	Norther Harrier	<i>Circus hudsonicus M</i>	4.14	0.138				Poole 1938
Falconiformes	Pallid Harrier	<i>Circus macrourus</i>	3.86		1.11	26.80	8.67	Magnan 1922
Falconiformes	Montagu's Harrier	<i>Circus pygargus</i>	2.37		1.10	17.90	9.35	Magnan 1922
Falconiformes	Merlin Euro	<i>Falco columbarius</i>	1.73	0.041				Poole 1938

Falconiformes	Merlin Euro	<i>Falco columbarius</i>	1.45	0.044	0.60	32.95	8.18	Tennekes 1998
Falconiformes	Merlin Euro	<i>Falco columbarius</i>	1.45		0.60	32.48	8.34	Brooks and Birkhead 1991
Falconiformes	Peregrine Euro	<i>Falco peregrinus</i>	8.10	0.130	1.05	61.54	8.48	Tennekes 1998
Falconiformes	Peregrine Euro	<i>Falco peregrinus</i>	8.13		1.06	62.09	8.81	Magnan 1922
Falconiformes	Peregrine Falcon NA	<i>Falco peregrinus anatum</i>	9.70	0.124	1.02	78.23	8.39	J.M.V. Rayner unpub.
Falconiformes	Peregrine Falcon NA	<i>Falco peregrinus anatum F</i>	12.23	0.134				Poole 1938
Falconiformes	Peregrine Falcon NA	<i>Falco peregrinus anatum M</i>	7.12	0.115				Poole 1938
Falconiformes	American Kestrel	<i>Falco sparverius</i>	1.14	0.036	0.52	31.67	7.51	J.M.V. Rayner unpub.
Falconiformes	American Kestrel	<i>Falco sparverius</i>	1.37	0.037				Poole 1938
Falconiformes	European Hobby	<i>Falco subbuteo</i>	1.65		0.76	29.02	10.27	Magnan 1922
Falconiformes	Kestrel Euro	<i>Falco tinnunculus</i>	2.00	0.068	0.74		8.05	Tennekes 1998
Falconiformes	Kestrel Euro	<i>Falco tinnunculus F</i>	2.45		0.74	33.94	7.70	Magnan 1922
Falconiformes	Kestrel Euro	<i>Falco tinnunculus M</i>	1.72		0.75	23.99	8.01	Magnan 1922
Falconiformes	Grey Eagle-Buzzard	<i>Geranoatus melanoleucus</i>	21.26		1.45	58.74	5.95	Magnan 1922
Falconiformes	Lammergeier	<i>Gypaetus barbatus</i>	53.85		2.52	71.09	8.57	Magnan 1922
Falconiformes	African White-backed Vulture	<i>Gyps africanus</i>	58.00	0.753		76.00		J.M.V. Rayner unpub.
Falconiformes	Cape Griffon	<i>Gyps coprotheres</i>	92.90	0.854	2.57	107.00	7.70	Mundy et al. 1992
Falconiformes	Griffon Vulture Euro I	<i>Gyps fulvus</i>	75.00	1.000	2.60	75.00	6.76	Mundy et al. 1992
Falconiformes	Griffon Vulture Euro III	<i>Gyps fulvus</i>	72.69	1.054	2.56	67.66	6.20	Magnan 1922
Falconiformes	Ruppel's Griffon	<i>Gyps rueppellii</i>	75.70	0.830	2.41	90.00	7.00	Mundy et al. 1992
Falconiformes	Bald eagle	<i>Haliaetus leucocephalus</i>	46.80	0.756	2.24	61.90	6.64	Tennekes 1998
Falconiformes	Bonelli's Eagle	<i>Hieraeetus fasciatus</i>	20.60		1.55	63.70	7.60	Magnan 1922
Falconiformes	Red Kite	<i>Milvus milvus</i>	9.27		1.63	31.34	9.14	Magnan 1922
Falconiformes	Hooded Vulture	<i>Necrosyrtesmonachus</i>	20.00	0.436	1.71	45.00	6.70	Mundy et al. 1992
Falconiformes	Egyptian Vulture	<i>Neophron percnopterus</i>	19.00	0.316	1.68	59.00	8.90	Mundy et al. 1992
Falconiformes	Osprey	<i>Pandion haliaetus</i>	17.98	0.321				Poole 1938
Falconiformes	Osprey	<i>Pandion haliaetus</i>	14.90	0.300	1.59	49.67	8.43	Tennekes 1998
Falconiformes	Osprey	<i>Pandion haliaetus</i>	11.00			39.00	8.90	Magnan 1922
Falconiformes	Osprey	<i>Pandion haliaetus</i>	11.05		1.57	38.62	8.80	Magnan 1922
Falconiformes	Honey Buzzard	<i>Pernis apivorus</i>	6.15		1.20	31.85	7.59	Magnan 1922
Falconiformes	Common Caracara	<i>Polyborus plancus</i>	12.09		1.35	51.09	7.89	Magnan 1922
Falconiformes	Bateleur	<i>Terathopius ecaudatus</i>	20.95		1.54	57.37	6.58	Magnan 1922
Falconiformes	Lappet-faced Vulture	<i>Torgos tracheliotus</i>	66.00	1.030	2.64	63.00	6.80	Mundy et al. 1992
Podicipediformes	Western Grebe	<i>Aechmophorus occidentalis</i>	12.00	0.071	0.89	169.73	11.20	G. Kaiser unpub.
Podicipediformes	Horned Grebe	<i>Podiceps auritus</i>	3.70	0.035				Poole 1938

Podicipediformes	Horned Grebe	<i>Podiceps auritus</i>	4.50	0.050	0.67	89.64	8.86	G. Kaiser unpub.
Podicipediformes	Great Crested Grebe	<i>Podiceps cristatus</i>	8.90			144.00	10.60	Brooks and Birkhead 1991
Podicipediformes	Great Crested Grebe	<i>Podiceps cristatus</i>	7.90		0.79	86.81	11.01	Magnan 1922
Podicipediformes	Red-necked Grebe	<i>Podiceps grisegena</i>	10.00	0.078	0.81	128.12	8.30	G. Kaiser unpub.
Podicipediformes	Red-necked Grebe	<i>Podiceps grisegena</i>	4.80		0.72	86.81	9.57	Magnan 1922
Podicipediformes	Pied-billed Grebe	<i>Podilymbus podiceps</i>	3.44	0.029				Poole 1938
Podicipediformes	Little Grebe	<i>Tachybaptus ruficollis</i>	1.80		0.44	74.89	8.23	Magnan 1922
Pelecaniformes A*	Red-billed Tropicbird	<i>Phaeton aethereus</i>	7.50					
Pelecaniformes A*	White-tailed Tropicbird	<i>Phaeton lepturus</i>	4.50					
Pelecaniformes A*	Red-tailed Tropicbird	<i>Phaeton rubricauda</i>	6.50	0.110	1.11	56.67	10.92	Hertel and Balance 1999
Pelecaniformes B*	Shag Euro	<i>Phalacrocorax aristotelis</i>	18.10	0.158	1.04	114.56	6.85	Tennekes 1998
Pelecaniformes B*	Double-crested Cormorant	<i>Phalacrocorax auritus</i>	14.10	0.179	1.16	78.77	7.52	Tennekes 1998
Pelecaniformes B*	Great Cormorant	<i>Phalacrocorax carbo</i>	21.15	0.250	1.60	84.00	10.24	Tennekes 1998
Pelecaniformes B*	Great Cormorant	<i>Phalacrocorax carbo</i>	21.15		1.71	105.48	14.82	Magnan 1922
Pelecaniformes B*	Neotropical Cormorant	<i>Phalacrocorax olivaceus</i>	18.00					
Pelecaniformes B*	Pelagic Cormorant	<i>Phalacrocorax pelagicus</i>	20.00					
Pelecaniformes B*	Brandt's Cormorant	<i>Phalacrocorax penicillatus</i>	24.00					
Pelecaniformes B*	Little Cormorant	<i>Phalacrocorax pygmaeus</i>	6.00					
Pelecaniformes B*	Red-faced Cormorant	<i>Phalacrocorax urile</i>	25.00					
Pelecaniformes B*	Abbott's Booby	<i>Sula abbotti</i>	16.00					
Pelecaniformes B*	Gannet Euro	<i>Sula bassana</i>	30.10	0.262	1.85	114.89	13.06	Tennekes 1998
Pelecaniformes B*	Gannet Euro	<i>Sula bassana</i>	26.90		1.84	107.80	13.77	Magnan 1922
Pelecaniformes B*	Cape Gannet	<i>Sula capensis</i>	26.40					
Pelecaniformes B*	Brown Booby	<i>Sula leucogaster</i>	12.60	0.190	1.52	64.06	12.14	Hertel and Balance 1999
Pelecaniformes B*	Blue-footed Booby	<i>Sula nebouxii</i>	18.00					
Pelecaniformes B*	Australian Gannet	<i>Sula serrator</i>	23.50					
Pelecaniformes B*	Red-footed Booby	<i>Sula sula</i>	6.50	0.110	1.50	54.98	11.43	Hertel and Balance 1999
Pelecaniformes B*	Nazca Booby	<i>Sula variegata</i>	15.20					
Pelecaniformes B*	Masked Booby	<i>Sula varigata</i>	19.00	0.220	1.64	84.76	12.16	Hertel and Balance 1999
Ardeiformes	Grey Heron	<i>Ardea cinerea</i>	13.20			40.00	7.80	Tennekes 1998
Ardeiformes	Grey Heron	<i>Ardea cinerea</i>	14.08		1.73	38.47	8.30	Magnan 1922
Ardeiformes	Blue Heron Euro	<i>Ardea cinerea</i>	14.00	0.360	1.70	38.89	8.03	Tennekes 1998

Ardeiformes	Great Blue Heron	<i>Ardea herodias</i>	19.20	0.419	1.76	45.82	7.39	Tennekes 1998
Ardeiformes	Great Blue Heron	<i>Ardea herodias</i>	19.05	0.444				Poole 1938
Ardeiformes	Great White Heron	<i>Ardea occidentalis</i>	25.00	0.493	1.91	50.71	7.40	Tennekes 1998
Ardeiformes	American Bittern	<i>Botaurus lentiginosus</i>	6.25	0.126				Poole 1938
Ardeiformes	European Bittern	<i>Botaurus stellaris</i>	11.98		1.33	43.60	6.54	Magnan 1922
Ardeiformes	European Bittern	<i>Botaurus stellaris</i>	15.00		1.20		7.52	Greenewalt 1960
Ardeiformes	Green Heron	<i>Butoroides virescens</i>	2.30	0.066				Poole 1938
Ardeiformes	Great Egret	<i>Casmerodius alba</i>	8.70	0.222	1.34	39.19	8.09	Tennekes 1998
Ardeiformes	Great Egret	<i>Casmerodius alba</i>	11.78		1.45	40.88	7.41	Magnan 1922
Ardeiformes	American Egret	<i>Casmerodius albus egretta</i>	8.99	0.253				Poole 1938
Ardeiformes	Little Blue Heron	<i>Egretta caerulea</i>	3.40	0.134	0.98	25.37	7.17	Tennekes 1998
Ardeiformes	Little Blue Heron	<i>Egretta caerulea imm</i>	4.49	0.125				Poole 1938
Ardeiformes	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	5.12		1.05	31.85	6.96	Magnan 1922
Phoenicopteriformes	Greater Flamingo	<i>Phoenicopterus ruber</i>	29.00			87.00	7.70	Brooks and Birkhead 1991
Ciconiiformes A	White Stork Euro	<i>Ciconia alba</i>	34.00	0.500	1.98	68.00	7.84	Tennekes 1998
Ciconiiformes A	White Stork Euro	<i>Ciconia ciconia</i>	34.38		1.98	68.13	7.90	Magnan 1922
Ciconiiformes A	Marabou Stork	<i>Leptoptilos crumeniferus</i>	64.00			72.00	7.60	J.M.V. Rayner unpub.
Ciconiiformes A	Marabou Stork	<i>Leptoptilos crumeniferus</i>	70.30		2.82	83.85	9.64	Magnan 1922
Pelecaniformes C*	American White Pelican	<i>Pelecanus erythrorhynchos</i>	60.00	1.000	2.80	60.00	7.84	Tennekes 1998
Pelecaniformes C*	Brown Pelican	<i>Pelecanus occidentalis</i>	33.90	0.450	2.26	75.33	11.35	Tennekes 1998
Pelecaniformes C*	Brown Pelican	<i>Pelecanus occidentalis</i>	26.50	0.450	2.10	57.80	9.80	Pennycuick 1983
Pelecaniformes C*	White Pelican	<i>Pelecanus onocrotalus</i>	87.00			85.00	8.50	Magnan 1922
Ciconiiformes B	Turkey Vulture I	<i>Cathartes aura</i>	15.50	0.440	1.75	35.23	6.96	Tennekes 1998
Ciconiiformes B	Turkey Vulture II	<i>Cathartes aura</i>	19.80	0.460	1.79	42.00	7.00	Mundy et al. 1992
Ciconiiformes B	Turkey Vulture	<i>Cathartes aura</i>	24.09	0.436				Poole 1938
Ciconiiformes B	Black Vulture I	<i>Coragyps atratus</i>	20.80	0.327	1.38	63.61	5.82	Tennekes 1998
Ciconiiformes B	Black Vulture II	<i>Coragyps atratus</i>	17.00	0.310	1.41	56.00	6.60	Mundy et al. 1992
Ciconiiformes B	Black Vulture III	<i>Coragyps atratus</i>	18.20	0.327	1.38	54.70	5.82	Pennycuick 1983
Ciconiiformes B	American Black Vulture	<i>Coragyps atratus</i>	17.02		1.41	55.42	6.59	Tennekes 1998
Ciconiiformes B	California Condor	<i>Gymnogyps californianus</i>	101.00	1.316	2.79	75.00	5.70	Mundy et al. 1992
Ciconiiformes B	Andean Condor	<i>Vultur gryphus</i>	102.00			104.00	7.50	J.M.V. Rayner unpub.
Ciconiiformes B	Andean Condor	<i>Vultur gryphus</i>	117.00	1.130	2.99	102.00	7.90	Mundy et al. 1992

Threskiornithiformes	Roseate Spoonbill	<i>Ajaia ajaia</i>	13.00	0.226	1.25	57.52	6.91	Tennekes 1998
Threskiornithiformes	White Ibis	<i>Eudocimus albus</i>	9.00	0.160	0.95	56.25	5.64	Tennekes 1998
Threskiornithiformes	Spoonbill Euro	<i>Platalea leucorodia</i>	16.00	0.250	1.40	64.00	7.84	Tennekes 1998
Threskiornithiformes	Spoonbill Euro	<i>Platalea leucorodia</i>	15.65		1.37	61.70	7.54	Magnan 1922
Pelecaniformes D*	Ascension Frigatebird	<i>Fregata aquila</i>	16.20		2.02	49.05	12.59	Magnan 1922
Pelecaniformes D*	Magnificent Frigatebird	<i>Fregata magnificens</i>	14.90			40.00	14.70	Brooks and Birkhead 1991
Pelecaniformes D*	Magnificent Frigatebird II	<i>Fregata magnificens</i>	15.20	0.408	2.29	36.50	12.80	Pennyquick 1983
Pelecaniformes D*	Great Frigatebird	<i>Fregata minor</i>						
Gaviiformes	Yellow-billed Loon	<i>Gavia adamsi</i>	33.90	0.182	1.39	186.67	10.64	G. Kaiser unpub.
Gaviiformes	Arctic Loon	<i>Gavia arctica</i>	14.95		1.20	122.63	12.05	Magnan 1922
Gaviiformes	Common Loon Euro	<i>Gavia immer</i>	24.25	0.136	1.47	178.68	15.89	Tennekes 1998 (Poole 1938)
Gaviiformes	Common Loon	<i>Gavia immer</i>	32.50	0.167	1.33	194.15	10.57	G. Kaiser unpub.
Gaviiformes	Red-throated Loon	<i>Gavia stellata</i>	9.60			106.00	12.20	Brooks and Birkhead 1991
Gaviiformes	Red-throated Loon	<i>Gavia stellata</i>	9.57		1.04	105.48	12.26	Magnan 1922
Procellariiformes	Bulwer's Petrel	<i>Bulweria bulwerii</i>	0.99	0.043	0.66	22.30	10.10	Warham 1996
Procellariiformes	Bulwer's Petrel	<i>Bulweria bulwerii</i>	0.91	0.040	0.07	22.75	10.80	Spear and Ainley 1999
Procellariiformes	Cory's Shearwater	<i>Calonectris diomedea borealis</i>	9.46	0.123	1.21	75.40	11.90	Warham 1996
Procellariiformes	Cory's Shearwater	<i>Calonectris diomedea diomedea</i>	5.53	0.131	1.14	41.50	9.90	Warham 1996
Procellariiformes	Streaked Shearwater	<i>Calonectris leucomelas</i>	5.45	0.122	1.10	44.00	9.90	Warham 1996
Procellariiformes	Cape Petrel	<i>Daption capense</i>	4.41	0.067	0.91	65.82	10.00	Spear and Ainley 1998
Procellariiformes	Cape Petrel	<i>Daption capensis australe</i>	4.37	0.073	0.88	58.60	10.60	Warham 1996
Procellariiformes	Buller's Albatross	<i>Diomedea bulleri bulleri</i>	30.12	0.277	2.05	107.00	15.20	Warham 1996
Procellariiformes	Shy Albatross	<i>Diomedea cauta cauta</i>	40.30	0.443	2.47	89.20	13.80	Warham 1996
Procellariiformes	Grey-headed Albatross	<i>Diomedea chrysostoma</i>	33.00	0.261	2.00	124.00	15.30	Warham 1996
Procellariiformes	Royal Albatross	<i>Diomedea epomorpha</i>	86.97	0.540	2.82	158.00	14.70	Warham 1996
Procellariiformes	Wandering Albatross	<i>Diomedea exulans antipodensis</i>	66.36	0.471	2.71	138.00	15.60	Warham 1996
Procellariiformes	Wandering Albatross	<i>Diomedea exulans chionoptera</i>	87.30	0.611	3.03	140.00	15.00	Warham 1996
Procellariiformes	Laysan Albatross	<i>Diomedea immutabilis</i>	30.92	0.310	2.04	98.00	13.50	Warham 1996
Procellariiformes	Black-browed Albatross	<i>Diomedea melanophrys impavada</i>	29.11	0.293	2.09	97.40	14.90	Warham 1996
Procellariiformes	Black-browed Albatross	<i>Diomedea melanophrys melanophrys</i>	37.90	0.356	2.16	104.00	13.10	Warham 1996

Procellariiformes	Black-footed Albatross	<i>Diomedea nigripes</i>	31.43	0.338	2.16	91.20	13.80	Warham 1996
Procellariiformes	White-bellied Storm-Petrel	<i>Fregetta grallaria</i>	0.58					
Procellariiformes	Black-bellied Storm-Petrel	<i>Fregetta tropica tropica</i>	0.54	0.026	0.43	20.50	7.10	Warham 1996
Procellariiformes	Northern Fulmar	<i>Fulmarus glacialis</i>	8.15	0.124	1.13	64.50	10.30	Warham 1996
Procellariiformes	Southern Fulmar	<i>Fulmarus glacialoides</i>	8.02	0.121	1.17	65.00	11.30	Warham 1996
Procellariiformes	Southern Fulmar	<i>Fulmarus glacialoides</i>	7.84	0.101	1.07	77.32	10.30	Spear and Ainley 1998
Procellariiformes	Grey-backed Storm-Petrel	<i>Garrodia nereis</i>	0.31	0.016	0.32	19.60	6.50	Warham 1996
Procellariiformes	Blue Petrel	<i>Halobaena caerulea</i>	2.02	0.046	0.69	42.70	10.20	Warham 1996
Procellariiformes	Blue Petrel	<i>Halobaena caerulea</i>	2.04	0.043	0.71	47.89	10.00	Spear and Ainley 1999
Procellariiformes	Least Storm-Petrel	<i>Halocyptera microsoma</i>	0.20	0.015		12.90		Warham 1996
Procellariiformes	European Storm-Petrel	<i>Hydrobates pelagicus</i>	0.28	0.017	0.34	16.20	6.80	Warham 1996
Procellariiformes	Southern Giant Petrel (Giant Fulmar)	<i>Macronectes giganteus</i>	51.90	0.331	1.99	154.00	12.00	Warham 1996
Procellariiformes	Northern Giant Petrel	<i>Macronectes halli</i>	42.55	0.313	1.93	133.00	11.90	Warham 1996
Procellariiformes	Wilson's Storm-Petrel	<i>Oceanites oceanicus exasperatus</i>	0.38	0.019	0.39	19.40	7.90	Warham 1996
Procellariiformes	Madeiran Storm-Petrel	<i>Oceanodroma castro</i>	0.45	0.026	0.47	17.40	8.70	Warham 1996
Procellariiformes	Fork-tailed Storm-Petrel	<i>Oceanodroma furcata furcata</i>	0.63	0.030	0.48	20.40	7.60	Warham 1996
Procellariiformes	Ashy Storm-Petrel	<i>Oceanodroma homochroa</i>	0.38	0.021		17.50		Warham 1996
Procellariiformes	Leach's Storm-Petrel	<i>Oceanodroma leucorhoa leucorhoa</i>	0.43	0.030	0.46	14.30	7.40	Warham 1996
Procellariiformes	Black Storm-Petrel	<i>Oceanodroma melania</i>	0.59	0.030	0.48	19.30	7.70	Warham 1996
Procellariiformes	Tristram's Storm-Petrel	<i>Oceanodroma tristrami</i>	0.94	0.040	0.57	22.90	7.90	Warham 1996
Procellariiformes	Slender-billed Prion	<i>Pachyptila belcheri</i>	1.45	0.033	0.58	43.00	10.00	Warham 1996
Procellariiformes	Antarctic Prion	<i>Pachyptila desolata banksi</i>	1.68	0.046	0.63	35.80	8.50	Warham 1996
Procellariiformes	Fairy Prion	<i>Pachyptila turtur</i>	1.32	0.037	0.56	35.40	8.60	Warham 1996
Procellariiformes	Broad-billed Prion	<i>Pachyptila vittata salvini</i>	1.59	0.046	0.61	34.20	8.20	Warham 1996
Procellariiformes	Broad-billed Prion	<i>Pachyptila vittata vittata</i>	1.96	0.054	0.68	35.70	8.50	Warham 1996
Procellariiformes	Snow Petrel	<i>Pagodroma nivea</i>	2.25	0.060	0.78	37.70	10.40	Warham 1996
Procellariiformes	Snow Petrel	<i>Pagodroma nivea</i>	3.20	0.064	0.82	49.69	9.60	Spear and Ainley 1998
Procellariiformes	White-faced Storm-Petrel	<i>Peladrodroma marina mariana</i>	0.47	0.022	0.41	20.80	7.50	Warham 1996
Procellariiformes	Georgian Diving Petrel	<i>Pelecanoides georgicus</i>	1.17	0.020	0.39	58.90	7.70	Warham 1996
Procellariiformes	Kerguelen Diving-Petrel	<i>Pelecanoides urinatrix</i>	1.24					
Procellariiformes	Common Diving-Petrel	<i>Pelecanoides urinatrix exul</i>	1.19	0.020	0.38	58.30	7.20	Warham 1996
Procellariiformes	Sooty Albatross	<i>Phoebetria fusca</i>	25.00	0.304	2.03	80.80	13.50	Warham 1996
Procellariiformes	Light-mantled Albatross	<i>Phoebetria palpebrata</i>	29.18	0.341	2.15	83.80	13.50	Warham 1996
Procellariiformes	White-chinned Petrel	<i>Procellaria aequinoctialis aequinoctialis</i>	11.34	0.157	1.39	70.80	12.20	Warham 1996
Procellariiformes	Grey Petrel	<i>Procellaria cinerea</i>	10.18	0.117	1.19	85.30	12.10	Warham 1996
Procellariiformes	Westland Petrel	<i>Procellaria westlandica</i>	11.99	0.173	1.40	67.90	11.00	Warham 1996

Procellariiformes	Phoenix Petrel	<i>Pterodroma alba</i>	2.84	0.069	0.95	41.16	11.20	Spear and Ainley 1999
Procellariiformes	Phoenix Petrel	<i>Pterodroma alba heraldica</i>	2.96	0.064	0.88	45.40	12.00	Warham 1996
Procellariiformes	Kerguelen Petrel	<i>Pterodroma brevirostris</i>	3.57	0.061	0.86	57.30	12.00	Warham 1996
Procellariiformes	Kerguelen Petrel	<i>Pterodroma brevirostris</i>	3.37	0.057	0.88	58.71	11.80	Spear and Ainley 1998
Procellariiformes	Cook's Petrel	<i>Pterodroma cooki</i>	1.90	0.056	0.75	33.50	10.10	Warham 1996
Procellariiformes	White-necked Petrel	<i>Pterodroma externa cervicalis</i>	4.45	0.086	0.98	51.00	11.20	Warham 1996
Procellariiformes	White-necked Petrel	<i>Pterodroma externa cervicalis</i>	4.10	0.082	1.05	50.25	11.10	Spear and Ainley 1998
Procellariiformes	Juan Fernandez Petrel	<i>Pterodroma externa externa</i>	4.30	0.087	1.00	48.50	11.50	Warham 1996
Procellariiformes	Juan Fernandez Petrel	<i>Pterodroma externa externa</i>	4.28	0.088	1.07	48.75	10.90	Spear and Ainley 1998
Procellariiformes	Herald/Henderson Petrel	<i>Pterodroma heraldica/atrata</i>	2.77	0.064	0.93	43.28	11.20	Spear and Ainley 1999
Procellariiformes	Bonin Petrel	<i>Pterodroma hypoleuca</i>	1.81	0.061	0.76	29.30	9.60	Warham 1996
Procellariiformes	Atlantic Petrel	<i>Pterodroma incerta</i>	5.39	0.104	1.08	50.70	11.20	Warham 1996
Procellariiformes	Mottled Petrel (Scaled)	<i>Pterodroma inexpectata</i>	3.29	0.063	0.85	51.10	11.30	Warham 1996
Procellariiformes	Mottled Petrel	<i>Pterodroma inexpectata</i>	3.60	0.059	0.86	60.71	10.50	Spear and Ainley 1999
Procellariiformes	White-headed Petrel	<i>Pterodroma lessonii</i>	5.56	0.089	1.01	64.30	11.40	Warham 1996
Procellariiformes	White-winged Petrel	<i>Pterodroma leucoptera</i>	1.59	0.047	0.75	33.54	10.10	Spear and Ainley 1997
Procellariiformes	Gould's Petrel	<i>Pterodroma leucoptera leucoptera</i>	1.90	0.055	0.74	33.90	9.90	Warham 1996
Procellariiformes	Great-winged Petrel	<i>Pterodroma macroptera macroptera</i>	5.87	0.086	1.04	66.80	12.50	Warham 1996
Procellariiformes	Magenta Petrel	<i>Pterodroma magentae</i>	4.65	0.091	1.04	50.30	11.90	Warham 1996
Procellariiformes	Soft-plumaged Petrel	<i>Pterodroma molis molis</i>	2.76	0.066	0.83	41.30	10.50	Warham 1996
Procellariiformes	Kermadec Petrel	<i>Pterodroma neglecta</i>	3.69	0.080	1.01	46.42	10.60	Spear and Ainley 1999
Procellariiformes	Black-winged Petrel	<i>Pterodroma nigripennis</i>	1.53	0.047	0.76	32.28	10.20	Spear and Ainley 1999
Procellariiformes	Black-winged Petrel	<i>Pterodroma nigripennis</i>	1.78	0.054	0.73	32.30	10.00	Warham 1996
Procellariiformes	Dark-rumped Petrel	<i>Pterodroma phaeopygia phaeopygia</i>	4.08	0.083	0.97	48.10	11.20	Warham 1996
Procellariiformes	Tahiti Petrel	<i>Pterodroma rostrata</i>	4.09	0.079	1.05	51.58	11.80	Spear and Ainley 1998
Procellariiformes	Providence Petrel	<i>Pterodroma salandri</i>	4.46	0.096	1.03	45.40	11.00	Warham 1996
Procellariiformes	Little Shearwater	<i>Puffinus assimilia elegans</i>	2.38	0.043	0.60	54.40	8.40	Warham 1996
Procellariiformes	Townsend's Shearwater	<i>Puffinus auricularis newelli</i>	3.88	0.063	0.76	60.40	9.10	Warham 1996
Procellariiformes	Buller's Shearwater	<i>Puffinus bulleri</i>	4.32	0.112	0.99	38.00	8.80	Warham 1996
Procellariiformes	Flesh-footed Shearwater	<i>Puffinus carneipes hullianus</i>	5.95	0.113	1.06	51.80	9.90	Warham 1996
Procellariiformes	Pink-footed Shearwater	<i>Puffinus creatopus</i>	6.85	0.113	1.05	59.70	9.80	Warham 1996
Procellariiformes	Fluttering shearwater	<i>Puffinus gavia</i>	2.72	0.039	0.67	68.40	11.50	Warham 1996
Procellariiformes	Great Shearwater	<i>Puffinus gravis</i>	8.13	0.110	1.15	72.70	12.00	Warham 1996
Procellariiformes	Sooty Shearwater	<i>Puffinus griseus</i>	8.19	0.088	1.03	91.10	12.00	Warham 1996
Procellariiformes	Hutton's Shearwater	<i>Puffinus huttoni</i>	3.98	0.052	0.74	74.90	10.50	Warham 1996
Procellariiformes	Audubon's Shearwater	<i>Puffinus ilherminieri</i>	1.63					

Procellariiformes	Christmas Shearwater	<i>Puffinus nativitatis</i>	3.40	0.070	0.82	51.51	10.34	Hertel and Balance 1999
Procellariiformes	Black Shearwater	<i>Puffinus navitatis</i>	3.24					
Procellariiformes	Wedge-tailed Shearwater	<i>Puffinus pacificus</i>	3.42	0.115	1.01	29.30	8.90	Warham 1996
Procellariiformes	Wedge-tailed Shearwater	<i>Puffinus pacificus</i>	3.80	0.100	1.01	37.94	10.41	Hertel and Balance 1999
Procellariiformes	Manx Shearwater	<i>Puffinus puffinus puffinus</i>	4.26	0.062	0.79	67.90	10.00	Warham 1996
Procellariiformes	Short-tailed Shearwater	<i>Puffinus tenuirostris</i>	5.88	0.078	0.93	74.40	11.20	Warham 1996
Procellariiformes	Antarctic Petrel	<i>Thalassoica antartica</i>	6.15	0.095	1.05	63.40	11.60	Warham 1996
Procellariiformes	Antarctic Petrel	<i>Thalassoica antartica</i>	6.76	0.083	1.04	81.25	11.30	Spear and Ainley 1998

\*Pelecaniformes may not be a monophyletic group. Pelecaniformes C (Pelicans) may belong in the Ciconiiformes. Pelecaniformes B corresponds to Sibley and Ahlquist's Sulida

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