

MOST-NUMEROUS AVES IN US & CANADIAN ZOOLOGICAL INSTITUTIONS
AND A COMPARISON OF POPULATIONS FROM ONE AND FIVE YEARS PAST**

December 31, 2022

Robert Webster – Lincoln Park Zoo

Current rank	12-'21 rank	12-'17 rank	Species * - indicates species is represented by more than one taxa	Population/sex ratio	# hatched last 12 months	# holding institutions	12/22 population	12/21 population	12/17 population	AZA TAG program	IUCN status (if above LC)
1	1	1	Budgerigar	408.351.4301	496	37	5060	4896	7280		
2	2	2	American Flamingo	991.904.125	40	67	2020	2107	2553	Signature	
3	3	3	Chilean Flamingo	910.793.40	35	66	1743	1776	1780	Signature	NT
4	4	5	*Red Jungle Fowl / Domestic Chicken	167.670.477	58	135	1314	1298	1434		
5	5	8	African Penguin	605.526.38	55	57	1169	1122	924	Signature	EN
6	6	9	Taveta Golden Weaver	375.354.164	67	52	893	863	795	Monitored	
7	7	6	Common Peafowl	332.245.262	83	91	821	839	1162		
8	8	12	Greater Flamingo	351.402.50	17	18	803	797	685	Signature	
9	10	15	*Gentoo Penguin	295.304.6	13	18	605	608	544	Provisional	
10	11	11	Scarlet Ibis	254.261.59	19	73	574	599	693	Signature	
11	12	27	*Nicobar Pigeon	287.231.47	40	67	565	551	395	Signature	NT
12	9	10	*Rainbow /Coconut Lorikeet	179.179.198	55	33	556	657	777		
13	13	16	Lesser Flamingo	337.173.0	36	16	510	488	500	Provisional	NT
14	16	13	Cockatiel	103.82.287	51	36	472	457	662		
15	15	21	Speckled Mousebird	223.166.66	20	30	455	460	440	Monitored	
16	14	14	*Helmeted Guinea fowl	90.74.265	45	53	429	466	631		
17	18	25	Australian Rainbow Lorikeet	147.148.116	11	32	411	416	398		
18	19	23	Humboldt Penguin	224.181.3	16	22	408	409	429	Signature	VU
19	21	34	*Ruddy Duck	181.133.57	23	49	371	376	314		
20	20	24	Blue-and-Yellow Macaw	181.147.40	-	124	368	378	410		
21	24	17	White-faced Whistling Duck	161.166.27	34	59	354	346	492		
22	35	19	*Mallard	78.100.175	4	58	353	295	452		
23	23	31	Roseate Spoonbill	147.146.55	36	61	348	359	354	Signature	
24	22	26	North American Wood Duck	160.131.51	15	50	342	373	396		
25	25	34	*Bald Eagle	132.161.45	-	158	338	337	314		
26	36	38	Emu	113.111.99	-	93	323	283	303		
27	28	59	Marbled Teal	171.147.4	15	43	322	319	228	Signature	VU

28	31	45	*Southern Rockhopper Penguin	141.158.7	8	13	306	304	265	Signature	VU
29	30	43	Inca Tern	153.129.16	29	26	298	308	266	Signature	NT
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	27	4	Zebra Finch	16.19.263	3	7	298	320	2013		
31	26	29	*Ostrich	66.192.36	1	88	294	326	366		
	39	62	Crested Wood Partridge	127.125.42	202	48	294	269	219	Provisional	NT
	31	30	Hooded Merganser	141.123.30	14	47	294	304	338		
34	34	41	*Metallic Starling	150.129.7	56	15	286	299	279	Monitored	
35	37	32	Cattle Egret	116.74.86	3	32	276	276	323		
36	38	37	*East African / Grey Crowned Crane	122.142.18	13	77	282	275	312	Provisional	EN
37	47	22	Gouldian Finch	90.79.109	156	7	278	241	436		NT
38	33	18	*Rock Dove	58.46.169	8	28	273	301	474		
39	40	49	Redhead	127.117.27	5	37	271	268	257		
40	41	50	*King Penguin	157.103.1	15	15	261	256	255	Signature	
41	43	52	Mandarin Duck	130.115.14	21	43	259	248	246		
42	29	33	Greater Rhea	59.70.118	4	35	247	311	321	Monitored	NT
43	44	51	*Red-tailed Hawk	68.117.61	-	144	246	246	253		
44	48	47	Magellanic Penguin	134.109.0	8	11	243	239	260	Provisional	NT
45	46	58	*Pied Imperial Pigeon	114.95.32	20	38	241	242	229		
	49	46	*Great Horned Owl	76.96.69	2	141	241	234	263		
47	44	43	*Laughing Kookaburra	116.111.11	20	106	238	246	266	Signature	
48	51	36	*Black-bellied Whistling Duck	41.52.136	5	27	229	223	313		
49	42	39	Ringed Teal	111.73.44	10	54	228	250	285		
50	55	40	Egyptian Goose	29.36.151	-	27	216	212	282		
51	54	7	*Scarlet Macaw	108.90.7	-	78	205	216	1040		
52	53	28	*Burrowing Owl	86.87.22	26	63	195	218	376	Signature	
53	56	57	*Eastern Screech Owl	61.63.69	8	97	193	207	233		
54	50	75	Macaroni Penguin	92.96.4	9	9	192	226	171	Studbook	VU
55	62	70	*Sacred Ibis	83.73.32	28	26	188	181	183	Provisional	
56	62	79	Chinstrap Penguin	85.88.13	16	7	186	181	160	Studbook	
	52		California Condor	94.81.11	45	9	186	220	112	Potential SAFE	CR
58	60	67	Green-winged Macaw	98.68.19	-	88	185	183	198		

59	57	76	*Turkey Vulture	65.60.59	-	118	184	191	170		
60	58	55	*Common Pintail	101.75.4	6	37	180	188	236		
61	59	71	Black-crowned Night Heron	35.26.118	-	27	179	184	178		
62	64	73	Tawny Frogmouth	103.74.0	2	73	177	178	176	Signature	
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	70	84	Blue-grey Tanager	88.62.27	27	30	177	166	153	Signature	
64	68	82	Waldrapp Ibis	81.84.1	23	25	166	171	155	Signature	EN
65	68	42	*Green-winged Dove	96.64.4	21	31	164	171	275	Studbook	
66	61	66	*Sandhill Crane	78.69.16	16	52	163	182	206		
	73		Blue-throated Macaw	79.73.11	17	32	163	157	113	Signature	CR
68	66	60	Sun Conure	88.58.16	13	34	162	176	223		EN
69	65	63	*Common Barn Owl	70.62.28	12	88	160	177	217		
70	76	86	Bali Mynah	79.77.3	22	50	159	153	151	Signature	CR
71	72		Fischer's Lovebird	16.70.71	5	6	157	160	64		NT
72	67	71	Adelie Penguin	70.80.4	4	2	154	173	178	Studbook	
73	77	20	*Military Macaw	62.74.17	1	58	153	152	450		VU
74	78	79	Bar-headed Goose	51.79.22	4	27	152	143	160		
	74	65	*Harris' Hawk	84.57.11	-	78	152	156	216		
76	71	53	*Wild Turkey	59.56.35	6	56	150	161	241		
77	78	93	Atlantic Puffin	71.76.2	10	8	149	143	138	Studbook	VU
78	74	95	Tufted Puffin	70.78.0	8	10	148	156	137	Provisional	
79	81	56	Black Swan	40.51.45	10	45	136	139	234		
80	85	69	*Superb Starling	76.54.5	38	38	135	135	186	Studbook	
81	88		Southern /Leadbeater's Ground Hornbill	60.71.3	11	54	134	131	129	Signature	VU
82	88		Common Murre	59.74.0	2	8	133	131	121	Studbook	
	82	90	Blue-bellied Roller	61.69.3	1	49	133	138	143	Signature	
	91	83	Hyacinth Macaw	72.60.1	1	61	133	130	154	Provisional	VU
85	88		Laughing Dove	57.65.9	18	1	131	131	32		
86	84		Red-breasted Goose	68.60.2	13	26	130	137	98	Signature	VU
87	80		*Golden-breasted Starling	69.59.0	40	35	128	141	121	Signature	
88	86		*Sunbittern	75.50.2	13	57	127	134	125	Signature	
			Marabou Stork	64.63.0	7	38	127	111	102	Signature	
90	98	99	*Barred Owl	32.46.48	-	80	126	124	135		

91	95	99	Rosybill Pochard	65.56.2	3	21	123	129	135		
	91		Emerald Starling	70.48.5	23	18	123	130	105	Signature	
93	100		Victoria Crowned Pigeon	60.58.4	13	42	122	121	106	Signature	NT
	82		Whooping Crane	62.60.0	24	17	122	138	85	Potential SAFE	EN
95	98		Blue-winged Teal	69.51.10	11	23	121	124	106		
	91		*Cinnamon Teal	60.55.6	2	17	121	130	104		
			Little/Blue Penguin	64.54.3	15	5	121	112	99	Studbook	
	96		Guam Kingfisher	75.44.2	10	22	121	127	128	Studbook	EW
			Java Sparrow	31.29.61	47	4	121	118	47		EN
100	87	78	American White Pelican	81.13.26	-	39	120	132	166		

Other sps with populations of 100+ in 2022

Current rank	12-'21 rank	12-'17 rank	Species * - indicates species is represented by more than one taxa	Population/sex ratio	# hatched last 12 months	# holding institutions	12/22 population	12/21 population	12/17 population	AZA TAG program	IUCN status (if above LC)
	17		Attwater's Greater Prairie Chicken	56.62.0	485	4	118	421	118	Studbook	EN (USFWS)
			Temminck's/Pink-headed Fruit Dove	61.49.8	37	9	118	114	51	Monitored	
			*West African / Black Crowned Crane	48.60.9	17	43	117	110	119	Provisional	VU
		93	*Fulvous Whistling Duck	52.47.16	2	25	115	97	138		
			Spotted Whistling Duck	54.60.0	15	18	114	108	53	Provisional	
		74	*Canada Goose	2.12.100	-	18	113	118	172		
		81	*Swan Goose	54.50.9	7	27	113	110	158	Provisional	VU
			Black-headed Weaver	57.48.7	-	5	112	113	51		
			King Vulture	53.57.1	5	44	111	107	120	Provisional	
			Northern Carmine Bee-eater	56.55.0	45	3	111	112	61	Monitored	
			African Pygmy Goose	51.59.0	43	24	110	94	80	Provisional	
			Trumpeter Swan	50.53.6	8	44	109	103	91	Signature	
		89	*Speckled Pigeon	43.31.35	8	20	109	95	144		
			*Red-capped Cardinal	58.51.0	21	23	109	118	107	Signature	
			Crested Screamer	57.49.1	13	47	107	113	112	Provisional	
			White-fronted Bee-eater	49.45.13	45	4	107	107	65	Monitored	
			Toco Toucan	52.52.3	3	42	107	109	97	Provisional	
			Luzon Bleeding Heart Pigeon	59.42.3	26	31	104	104	88	Signature	NT

			*Boat-billed Heron	54.46.5	8	22	104	105	108	Provisional	
			*Violet-backed Starling	54.44.5	15	22	103	107	102	Provisional	
			African Spoonbill	47.50.5	8	21	102	102	112	Signature	
			*Eurasian Eagle Owl	53.43.6	1	63	102	107	103	Studbook	
			*White-breasted Wood-swallow	43.45.13	30	8	101	104	62	Monitored	
	96		Sunda/Tricolored Parrot Finch	66.31.4	15	4	101	127	52		
			Baer's Pochard	55.45.0	8	23	100	104	100	Signature	CR
		91	Red-crested Pochard	49.35.16	8	17	100	114	139		

& other sps that had populations of 100+ in 2021 &/or 2017

Current rank	12-'21 rank	12-'17 rank	Species * - indicates species is represented by more than one taxa	Population/sex ratio	# hatched last 12 months	# holding institutions	12/22 population	12/21 population	12/17 population	AZA TAG program	IUCN status (if above LC)
			Ocellated Turkey	24.21.53	12	4	98	102	100		NT
			Saffron Finch	25.20.49	25	14	94	89	134	Monitored	
			*White-winged Dove	13.10.70	1	9	93	102	78		
			*Greylag Goose	26.25.21	3	20	92	81	131		
			Black-naped Fruit Dove	51.40.1	10	31	92	98	108	Signature	
			Diamond Dove	33.30.28	35	10	91	91	120		
			*Grey Parrot	38.39.11	-	56	88	90	111		
			*White-headed Buffalo Weaver	43.43.2	8	32	88	91	120	Provisional	
			*American Kestrel	41.37.9	0	60	87	91	123		
	81	48	*Bobwhite	24.16.45	16	18	85	139	259		
		96	Guira Cuckoo	48.34.3	14	20	85	80	137	Monitored	
			*Blue-crowned Motmot	44.37.0	12	37	81	85	104	Provisional	
			American White Ibis	22.27.28	-	16	77	78	103		
			*Golden Eagle	30.33.14	-	47	77	80	116		
		97	Golden Pheasant	35.22.19	7	27	76	97	136		
			*Brown Pelican	25.21.29	-	21	75	94	121		
			Red-billed Firefinch	36.25.14	34	7	75	107	71		
			*Violaceous Turaco	28.42.3	2	34	73	71	105	Provisional	
			Gambel's Quail	19.18.23	20	9	70	62	129		
			Javan Pond Heron	18.11.40	4	9	69	72	109		
			Ringed Turtle Dove	36.25.4	-	19	65	69	100		

		Green Aracari	34.29.0	-	34	63	66	117	Provisional	
	91	*Grasshopper Sparrow	21.24.1	247	3	46	130	25		
		87 Collared Dove	4.5.2	0	8	11	10	149		
		Long-tailed Finch	6.1.1	0	4	8	9	123		

- 2010: 114 sps with pop of 100+
- 2011: 117 sps with pop of 100+
- 2012: 112 sps with pop of 100+
- 2013: 127 sps with pop of 100+
- 2014: 122 sps with pop of 100+
- 2015: 123 sps with pop of 100+
- 2016: 134 sps with pop of 100+
- 2017: 142 sps with pop of 100+
- 2019: 128 sps with pop of 100+
- 2020: 123 sps with pop of 100+
- 2021: 129 sps with pop of 100+
- 2022: 126 sps with pop of 100+

** : the following institutions provided their non-ZIMS inventory data: Busch Gardens - Tampa, Busch Gardens – Williamsburg, Denver Zoo, Discovery Cove, Fort Worth Zoo, Lincoln Park Zoo, Monterey Bay Aquarium, National Aquarium in Baltimore, New England Aquarium, Sea World Orlando, Sea World San Antonio, Sea World San Diego, Shedd Aquarium, Texas State Aquarium, Zoo Atlanta