Waterbird Monitoring Programme in Kenya: January 2015 Census Report.

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Overview

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This bi-annual (January & July) waterbird census is part of an ongoing waterbirds and wetlands monitoring programme in Kenya since 1991 and organized by the National Museums of Kenya, Kenya Wildlife Service and Nature Kenya, among other partners. The activity largely relies on volunteer counters. It mainly focuses counting in five Rift Valley Lakes and other key national wetlands. The national coordination is conducted by the Ornithology Section at The National Museums of Kenya while other partners come in to provide crucial support, including funds, transport and on the ground logistics, as well as in several other ways.

The census involved 350 volunteer bird counters, counting birds at various wetland sites in the Rift Valley, Nairobi and Central region. This year, January counts were spread up to February. Some sites, especially the Coast- were not counted due to the prevailing insecurity situation in the country at the time. There were some delays due to financial constrains which forced the coordinators to postpone the exercise several times, hence pushing counts into February.

Nine sites were covered in the Rift Valley region during these counts. They include Lake Nakuru National Park, Njoro town Sewage, Nakuru town Sewage, Lake Bogoria National Reserve, Lakes Naivasha, Oloidien, Sonachi, Elmenteita and Magadi. In Nairobi region, the January counts were conducted at wetlands in Nairobi National

Park, Dandora sewerage treatment ponds, Kenyatta University sewerage treatment Ponds, Hillcrest dam and Brookeside Dairy. In the Central region counts were conducted at Lake Ol' Bolossat, Manguo Ponds, Limuru Sewerage Ponds, Thika Sewerage treatment ponds and wetlands in Kinangop plateau.

A total of **87420** waterbirds of **110** species were recorded by a total of 350 volunteer counters during these counts. Rift Valley region recorded 69289 waterbirds of 109 this was the highest of waterbird numbers during the counts in the three regions. Waterbird numbers compared poorly with the January 2008 where 352995 waterbirds individuals of 104 species were recorded. The biggest decline is that of flamingos (222,589 individuals in January 2008). A total of 23980 individual flamingos were counted in Rift Valley Region.

Palaearctic *Calidridinae* were the second most abundant waterbirds at the Rift Valley region at 8113, followed by, Commorants and Darter, 6782 and Herons and Egrets, 5446. In Nairobi region, Palaearctic *Calidridinae* were the most abundant with 1640 waterbirds, followed by Afro-tropical Ducks & Geese with 908 waterbirds. In the Central region, Afro-tropical Ducks & Geese were the dominant group with 2981 waterbirds followed by Ibises & Spoonbills with 1982 waterbirds Detailed information on each region is provided in table 1 below.

Table 1: January/February 2015 waterbird counts summary for all sites covered

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Species and sites	Rift Valley	Nairobi Region	Central Kenya	Totals
Number of Volunteers	240	70	40	350+
Number of Species	110	60	71	240
Number of Waterbirds	69,289	7,451	10,680	87,420
Flamingos	23,980			23,980
Dead Flamingos	4			4
Grebes	3,454	739	318	4,511
Pelicans	938		42	980
Cormorants & Darters	6,782	47	39	6,868
Heron & Egrets	5,446	171	434	6,051
Storks & Hamerkop	791	595	76	1,462
Ibises & Spoonbills	2,189	569	1,982	4,740
Afro-tropical Ducks & Geese	4,433	908	2,981	8,322
Palaearctic Ducks & Geese	809	2	254	1,065
Birds of Prey	319	9	32	360
Rails, Gallinules & Coots	826	473	1,077	2,376
Cranes	28	129	239	396
Jacanas	344	25	93	462
Stilts & Avocets	2,116	559	262	2,937
Coursers & Pratincoles		2	13	15
Afro-tropical Charadriidae	3,479	358	1,032	4,869
Palaearctic Calidridinae	8,113	1,640	987	10,740
Palaearctic Charadriidae	202	54	26	282
Palaearctic <i>Tringinae</i>	1,348	494	517	2,359
Gulls	1,828	1	4	1,833
Terns	1,448	662	213	2,323
Kingfishers	368	14	6	388
Skimmers	12			12
Snipes	32		4	36
Godwits			49	49

Regions and sites covered in January 2015

In January and February 2015, waterbird counts in the Rift Valley were conducted in eight wetlands: Lakes Nakuru, Naivasha, Sonachi, Oloidien, Bogoria, Nakuru Sewage Works, Njoro Sewage Ponds and Lake Magadi. A total of **69,289** waterbirds were recorded in these wetlands. Detailed information on each site is provided in tables 2 and 3 below.

Lake Oloidien: This is part of the main Lake Naivasha and is an alkaline lake. The lake was covered 100% by one group using a boat from 16:30-17:35hrs on 31st January 2015. The site had 979 waterbirds of 33 species, dominated by Egyptian Geese (600) and Great Cormorants (134).

Lake Sonachi: This is another satellite wetland of Lake Naivasha whose water is saline. This site was entirely covered by one group of eight counters from 16:45-17:44hrs

on 31st January 2015. 129 waterbirds of 10 species were recorded at this site with Little Grebe having the highest number of 94 individuals.

Lake Elmenteita: This is an alkaline lake designated as a Ramsar site and an Important Bird Area (IBA). It was also 100% covered on 31st January 2015 from 07:45-11:40hrs. Fourteen thousand one hundred (14,100) waterbirds of 66 species were recorded at this site. Flamingos were the largest group with 5, 006 comprising of 4,332 Lesser Flamingos and 674 Greater Flamingos followed by Cape Teals (626), Little Grebes (504), Great Cormorants (475) and Egyptian Geese (465).

Lake Bogoria National Reserve: This is an alkaline lake designated as a Ramsar site and an IBA. Seventy five percent (75%) of the lake was covered due to high water level and poor access, counts begun at 0630-1000hrs on 7th February 2015. Thirteen thousand four hundred and eleven (**13,411**) waterbirds of 36 species were recorded. Flamingos being a total of 9,823 – 4,210 and 5,613 Greater Flamingos and Lesser Flamingos respectively. Three dead Flamingos were recorded.

Lake Nakuru National Park: This is an alkaline lake designated as a Ramsar site and an IBA. The Lake was covered 95% beginning at 0700-1130hrs on 8th February 2015. Eleven thousand six hundred and thirty (11,630) waterbirds of 64 species were recorded. 1,522 Flamingos (430 Lesser Flamingos and 1,092 Greater Flamingos) were recorded. Palaearctic Calidridinae was the dominant 3358 individuals followed by Cormorants and 1925 individuals. No dead Darters, flamingos were recorded on this lake.

Njoro Sewage Ponds: Ponds were covered from 0715-0810hrs on 8th February 2015 by six counters. The site had 1,410 waterbirds of 20 species. Afro-tropical Ducks & Geese were the most abundant (352 individuals), where Egyptian Geese had the highest individual numbers. Group of Ibises and

Spoonbills followed closely with 289 individuals.

Nakuru Town Sewage Works: The site is great for wintering Eurasian ducks. The ponds are properly managed hence feeding site for even buffalos and hippos. The treatment ponds were counted from 0830-0930hrs on 8th February 2015 by six counters (same counters who counted Njoro Sewage ponds). A total of 1,126 waterbirds of 36 species were recorded. Afro-tropical Ducks and Geese had the highest numbers with 469 individuals followed by Redknobbed Coots (183).

Lake Naivasha (main Lake): This is a freshwater lake designated as Ramsar site and an IBA. The entire lake was covered by boats and the team walking along the riparian land from 0725-1230hr on 1st February 2015. The site had 13,356 waterbirds of 69 species. The dominant groups were the Cormorants (4,105), Herons and Egrets (4,036) while Ibises and Spoonbills had (1,771).

Lake Magadi: This alkaline lake and an IBA was 85% covered by counters due to heavy rain during the counts on 15th February 2015 from 0830-1130hrs, 13,162 waterbirds of 39 species were recorded at this site. Flamingos were the largest group with 7,626, (7,507 Lesser Flamingos, 119 Greater Flamingos, 1dead Flamingo). In the records also were Chestnut-banded Plover (2,078) and Little Grebe (1,007).



Table 2: Summary of January 2015 waterbird counts in Rift Valley region.

Species and sites	L. Bogoria	L. Naivasha	L.Oloidien	L. Sonachi	L. Elementaita	L. Nakuru	L. Magadi	Njoro town Sewage	Nakuru town Sewage	Totals
Number of	42	103	8	4	77	73	26	13	13	359
Volunteers Number of Species	36	69	33	10	66	64	39	20	36	373
Number of	13,411	13,356	97	12	14,100	11,630	13,162	1,410	1,126	69,289
Waterbirds	13,411	13,330	97	9	14,100	11,030	13,102	1,410	1,120	09,289
Flamingos	9,823	2	0	1	5,006	1,522	7,626	0	0	23,980
Dead Flamingos	3				,	,	1			4
Grebes	2,156	11	20	94	505	634			34	3,454
Pelicans	-	471	6	-	231	203	24		3	938
Cormorants &	16	4,168	14	-	527	1,925	3	-	-	6,782
Darters Heron & Egrets	6	4,036	3 49	5	549	604	174	7	16	5,446
				3						
Storks & Hamerkop	20	316	11	- 1	149	80	109	11	95	791
Ibises & Spoonbills	51	1,171	1	1	292	233	75	289	76	2,189
Afro-tropical Ducks & Geese	94	1,100	62 2	14	1,315	337	130	352	469	4,433
Palaearctic Ducks & Geese	1	4	6		359	296			143	809
Birds of Prey	3	277	6	1	4	25	2		1	319
Rails, Gallinules & Coots		326	16	1	44	200		55	184	826
Cranes		19			5	2			2	28
Jacanas		330			8				6	344
Stilts & Avocets	478	17			232	395	941	38	15	2116
Afro-tropical Charadriidae	72	381	18	-	343	414	2216	17	18	3479
Palaearctic Calidridinae	577	97	11	4	1,644	3,358	1,744	627	51	8,113
Palaearctic Charadriidae	13	3			79	90	17			202
Palaearctic	91	133	10	8	297	733	55	12	9	1,348
Tringinae Gulls		79	26		1,250	458	15			1,828
Terns	7	173	2	_	1,236	8	16	2	4	1,448
Kingfishers	,	238	25		18	87	10		•	368
Skimmers		255	7		5	0,				12
Snipe		4			2	26				32

Table 3: January/February 2015 waterbird counts in Rift Valley region

Species and sites	L. Bogoria	L. Naivasha	L.Oloidien	L. Sonachi	L. Elementaita	L. Nakuru	L. Magadi	Sewage GP Njoro town Sewage	Nakuru town Sewage	TOTALS
Grebes										
Little Grebe	1,908	11	20	94	504	634			34	3,205
Black-necked	1,500					00.				0,200
Grebes	248									248
Great Crested										
Grebe					1					1
Sub-Totals	2,156	11	20	94	505	634			34	3,454
PELICANS										
Great White		126	_		222	100	20		2	056
Pelican Pink-backed		436	5		223	190	4		2	876
Pelican		35	1		8	13	4		1	62
Sub-Totals	_	471	6	_	231	203	24		3	938
CORMORANTS (& DARTE		U		231	203			J	730
	W DAKIE	63				16			I	79
African Darter Reed Cormorant	7	2,356	9		52	134	3			2,561
							3			
Great Cormorant	9	1,749	134		475	1,775				4,142
Sub-Totals	16	4,168	143	-	527	1,925	3	-	-	6,782
HERONS & EGR	ETS					T				
Black-headed		7.1			_					00
Heron	1	71			5	11	5	_	1	89
Cattle Egret	2	110			98	223	5	3	5	446
Common Squacco Heron		793	4		94	26	5			922
Great Egret		313	2	_	69	37	2		5	428
Grey Heron	2		26		85		18		5	
		437		_		80	122	4	3	653
Little Egret Yellow-billed		105	15	5	88	112	122	4		451
Egret	1	413	2		98	74				588
Striated Heron	_	1				6				7
Goliath Heron		7			1	Ü				8
Black-crowned		,					13			
Night Heron		55				35				103
Purple Heron		431			11					442
Dimorphic Egret							9			9
Unidentified										-
Egret		800								800
Unidentified		500								# 00
heron		500	40	_	7.40	60.4	174		1.0	500
Sub-Totals	6	4,036	49	5	549	604	1/4	7	16	5446
STORKS & HAM African Open-	EKKOP									
billed Stork						2				2
White Stork							18			18
Hamerkop	3	31				3			2	39
_	ی						59			
Marabou Stork		180				5		11	93	348
Yellow-billed Stork	17	102	11		149	70	32			381
Saddle-billed	1 /	102	11		147	70				301
Stork		3								3
Sub-Totals	20	316	11	_	149	80	109	11	95	791
IBISES & SPOON										

Mile	A fri a an							64			
Glossy Ibis	African Spoonbill		106				112	04			282
Haduda Bis	•		100			123				4	
Sacred lbis	•	27	328	1	1				25		
Sub-Totals 51				1	1			11		•	
FLAMINGOS Greater Flamingo				1	1						
Greater Flamingo		31	1,1/1	1	1	292	233	, e	209	70	2109
Casser Flamings		4 210	2			674	1.002	119			6 007
Unidentified 190			2		1						
Flamingo		3,013			1	4,332	430	.,			17,003
Sub-Totals 10,216 2		390									390
DUCKS & GEESE	Dead Flamingo	3						1			4
DUCKS & GEESE	Sub-Totals	10,216	2	0	1	5,006	1,522	7,627	0	0	24,374
Ducks & Geese	DUCKS & GEESI										
Cape Teal											
Egyptian Goose 22 670 600 2 465 237 154 168 2,318 Spur-winged Goose 9 3 3 12 12 Fulvous Whistling Duck 2 2 2 44 48 57 212 Red-billed Teal 19 4 83 40 3 92 129 370 Red-billed Teal 20 7 72 4 4 48 57 212 Southern Pochard 1 370 4 44 3 8 67 497 White-faced Whisting Duck 1 370 4 44 3 8 67 497 White-faced Whisting Duck 9 177 49 49 75 497 White-faced Whiting Duck 9 1,100 622 14 1,315 337 130 352 469 4433 Paleacric Ducks & Geese 3 5 3 1 4		71		14		626	50	123	1	6	891
Spur-winged Goose	•		670		2		237		154		
Goose				200							_,. 10
Whistling Duck	Goose		9				3				12
Hottentot Teal						2					•
Red-billed Teal			10				40	3	0.2	120	
Southern Pochard 20				4							
Maccoa Duck			20		-/		4	4	48		
Yellow-billed Duck						1				42	
Duck					5						5
White-faced Whisting Duck 9 17 49 75 Unidentified ducks 3 5 8 8 Sub-Totals 94 1,100 622 14 1,315 337 130 352 469 4433 Palaearctic Ducks & Geese Northern Pintail 1 115 115 115 Northern Pintail 4 343 181 529 Garganey 6 16 143 165 Sub-Totals 1 4 6 359 296 143 809 BIRDS OF PREY African Fish 2 9 143 809 BEagle 2 197 5 1 1 18 224 African Marsh Harrier 7 2 2 9 1 82 Osprey 4 4 4 25 2 1 319 RALLS, GALLINULES & COOTS 8 5 1 8 1 10 10		1	370	4		44	3		8	67	497
Northern Shoveler Sub-Totals Paleacarctic Paleacarctic											.,,
Sub-Totals 94 1,100 622 14 1,315 337 130 352 469 4433 Palaearctic Ducks & Geese			9			17			49		75
Sub-Totals			2			_					0
Palaearctic Ducks & Geese Northern Pintail Northern Pintail Northern Shoveler 1	ducks										8
Ducks & Geese Northern Pintail Page P	Sub-Totals	94	1,100	622	14	1,315	337	130	352	469	4433
Northern Shoveler											
Shoveler 1 4 343 181 529 Garganey 6 16 16 143 165 Sub-Totals 1 4 6 359 296 143 809 BIRDS OF PREY African Fish 2 197 5 1 1 18 224 African Marsh 1 7 2 2 9 9 Eurasian Marsh 1 69 1 3 5 2 1 82 Osprey 4 4 4 25 2 1 319 RAILS, GALLINULES & COOTS 8 1 4 25 2 1 319 RAILS, GALLINULES & COOTS 8 1 8 1 1 100 Common Moorhen 109 1 4 1 1 116 Purple Swamphen 17 10 32 198 55 183 593	Northern Pintail						115				115
Garganey 6 16 16 143 165 Sub-Totals 1 4 6 359 296 143 809 BIRDS OF PREY African Fish 2 197 5 1 1 18 224 African Marsh 7 2 2 9 9 Eurasian Marsh 1 69 1 3 5 2 1 82 Osprey 4 4 4 25 2 1 319 RAILS, GALLINULES & COOTS 8 5 1 8 1 100 100 Common Moorhen 109 1 4 1 1 116 116 17 17 17 17 17 17 17 17 17 17 17 18 55 183 593 593 593 55 183 593 593 593 55 183 593 593 593		1	4			343	181				529
Sub-Totals 1 4 6 359 296 143 809 BIRDS OF PREY African Fish Eagle 2 197 5 1 1 18 224 African Fish Eagle 2 197 5 1 1 18 224 African Fish Eagle 2 198 2 9 9 9 9 9 9 9 9 9 9 1 82 1 82 9 9 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 82 1 1 1 1 1 1 1 1 1	Garganev			6		16				143	165
Sub-Totals Sub		1	4				296				
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Eagle Sub-Totals 3 277 6 1 4 25 2 1 319 RAILS, GALLINULES & COOTS Black Crake 85 5 1 8 1 100 Common Moorhen 109 1 4 1 1 116 Purple Swamphen 17 17 17 17 Red-knobbed Coot 115 10 32 198 55 183 593			4								4
Sub-Totals 3 277 6 1 4 25 2 1 319 RAILS, GALLINULES & COOTS Black Crake 85 5 1 8 1 100 Common Moorhen 109 1 4 1 1 116 Purple Swamphen 17 17 17 17 Red-knobbed Coot 115 10 32 198 55 183 593											
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Common Moorhen 109 1 4 1 1 116 Purple Swamphen 17 17 17 17 17 17 17 17 17 17 183 593 55 183 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593 593		ULES & C	COOTS								
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Purple Swamphen 17 17 Red-knobbed 115 10 32 198 55 183 593	Common										
Swamphen 17 17 Red-knobbed 115 10 32 198 55 183 593			109	1		4	1			1	116
Red-knobbed 115 10 32 198 55 183 593			17								17
Coot 115 10 32 198 55 183 593			1 /								11
Sub-Totals 326 16 1 44 200 55 184 826			115	10		32	198		55	183	593
	Sub-Totals		326	16	1	44	200		55	184	826

CRANES										
Grey Crowned		4.0			_					
Crane JACANAS		19			5	2			2	28
	T	220		Ī		I		Ī		244
African Jacana STILTS &		330			8				6	344
AVOCETS										
Pied Avocet					17	17	306			340
Black-winged	478	17			215	279	635	20	1.5	1776
Stilt Sub-Totals	478	17			232	378 395	941	38 38	15 15	2116
PLOVERS & SAN					232	373	7.12	36	13	2110
Afro-tropical										
Charadriidae							120			
Blacksmith Plover	2	151	17		208	254	130		5	767
Chestnut Banded		131	17		200	254	2078		3	707
Plover										2078
Crowned Plover		3					1			3
Kittlitz's Plover	46				63	36	1			146
Long-toed Plover Spur-winged		115				2				117
Plover	20	112	1		11	62		17	13	236
Three-banded							7			
Plover Unidentified	4				59	60				130
Sandpiper					2					2
Sub-Totals	72	381	18	-	343	414	2216	17	18	3479
Palaearctic										
Calidridinae Curlew							28			
Sandpiper					24	1	20			53
Little Stint	276	3			870	1,749	1,007	1		3906
Ruff	301	94	11	4	750	1,608	709	626	51	4154
Sub-Totals	577	97	11	4	1,644	3,358	1,744	627	51	8113
Palaearctic										
Charadriidae Ringed Plover	13	3			79	89	17			201
Little Ringed	13	3			19	09				201
Plover						1				1
Sub-Totals	13	3			79	90	17			202
Palaearctic Tringinae										
Common							36			
Greenshank		4		2	25	45				112
Common Sandpiper	3	75	8	6	141	418		8		659
Green Sandpiper	1	5	0	0	32	22		0	2	62
Marsh Sandpiper	7	15	2		26	46	9	3	4	112
Spotted										
Redshank	8				3	21	10			32
Wood Sandpiper	72	34	10	0	70	181	10	1 12	3 9	371
Sub-Totals GULLS	91	133	10	8	297	733	55	12	9	1348
Grey-headed							15			
Gull		79	26		1,250	458				1828
Sub-Totals		79	26		1,250	458	15			1828
TERNS	ı								ı	
Gull-billed Tern	6	15	_		46	3	14	_	1	73
Whiskered Tern White-winged	1	136	2		880	5	14	2	3	1043
Black Tern		22			310					332

Sub-Totals	7	173	2	-	1,236	8	16	2	4	1448
KINGFISHERS										
Giant Kingfisher		25								25
Malachite Kingfisher		25	1			2				28
Pied Kingfisher		188	24		18	85				315
Sub-Totals		238	25		18	87				368
SKIMMERS										
African Skimmer			7		5					12
SNIPE										
Common Snipe		4			2	26				32
Black-tailed Godwit		9								9

Waterbird Counts in Nairobi Region

The January 2015 Waterbird counts in Nairobi region were conducted in five sites – Kenyatta University (KU) Sewage Ponds, Dandora Sewage Works Nairobi National Park, Hillcrest dams and Brookside dam, Table 5 & 6.

Nairobi National Park: This is a protected area (National Park) and an IBA. The Park has such a richer bird species diversity of both terrestrial and waterbird. This is due to its diverse habitat types ranging from forests, rolling plains, bushland and savanna. The wetlands in this site were fully covered by a team of 32 counters from 1100-1350hrs on 14th January 2015. The smalls dams in the park combined had 802 waterbirds of 45 species of waterbirds. The dominant group was Storks and Hamerkop (327 individuals), Tables 5 & 6.

Dandora Oxygenated Ponds: This is an IBA site counted on 28th January 2015 by a team of 18 counters beginning 1034-1300hrs. The Ponds had a total of 5463 waterbirds of 43 species. Little Stint was the most abundant species with 1587 individuals, followed by Little Grebe with 651 individuals and Whiskered Tern with 511 individuals, Table 5 & 6 below.

Kenyatta University (KU) Oxygenated Ponds: This site was counted on 21st January

2015 by a team of 25 counters beginning 1025-1145hrs. The sewage Ponds had a total of 674 waterbirds of 40 species. The most abundant species was Black-winged Stilts (272) and Little Grebe (77 individuals), Tables 5 & 6.

Hillcrest Dam: This site was counted on 14th January 2015 by a team of 8 counters beginning 1010-1145hrs. Dam had a total of 35 waterbirds of 14 species. Tables 5 & 6 below

Brookside Dairy: This site was counted on 21st January 2015 by a team of 10 counters beginning 1020-1245hrs. Dam had a total of 34 waterbirds of 12 species. Tables 5 & 6 below

In summery, Sewerage treatment/oxygenated ponds play a very important role in providing suitable habitat to both the local and Eurasian migratory waterbirds. Their treatment is entirely natural and as the water goes through different ponds, there is change in water quality. This provides different micro habitats before it is finally discharged into the river system when it is clean. The gentle concrete slope provides feeding sites for wading birds, hence increasing species richness. Dondora oxygenated ponds had most population of waterbirds (Table 5) with a total of 10987 birds This was followed by Thika counted. Treatment Ponds with a total of 6339(Table 7) Nairobi National Park with 1681 and waterbirds.

Table 5: Summary of the January 2015 Waterbird families, counted in Nairobi Region

Species and sites	Kenyatta University sewage ponds	Dandora Sewage ponds	Nairobi National park	Brookside Dairy	Hillcrest Dam	Total
Number of Volunteers	25	18	32	12	8	95
Number of Species	40	43	45	34	14	176
Number of Waterbirds	674	5,463	802	477	35	7,451
Grebes	77	651	2		9	739
Pelicans						
Cormorants & Darters	15	9	14	5	4	47
Heron & Egrets	31	60	49	29	2	171
Storks & Hamerkop	31	233	327	1	3	595
Ibises & Spoonbills	23	372	122	50	2	569
Afro-tropical Ducks & Geese	42	703	82	75	6	908
Palaearctic Ducks & Geese		2				2
Birds of Prey		5	3	1		9
Rails, Gallinules & Coots	8	417	8	33	7	473
Cranes		2	4	123		129
Jacanas	3	8	2	12		25
Painted Snipes						
Stilts & Avocets	272	241	8	38		559
Coursers & Pratincoles			2			2
Afro-tropical Charadriidae	39	237	56	26		358
Palaearctic Calidridinae	18	1,587	8	27		1,640
Palaearctic Charadriidae		54				54
Palaearctic Tringinae	115	213	109	56	1	494
Gulls		1				1
Terns		661	1			662
Kingfishers		7	5	1	1	14
Grand Total	1413	10987	1681	1000	92	15173



Waterbird census, January 20015

Table 6: Results of the January 2015 species of waterbird counts in Nairobi region

Little Grebe	Family, Species and sites	Kenyatta University sewage ponds	Dandora Sewage ponds	Nairobi National park	Brookside Dairy	Hillcrest Dam	Total
Sub-Totals	GREBES						
PELICANS Pink-backed Pelican Sub-Totals 77 651 2 9 739							
Pink-backed Pelican Sub-Totals 77 651 2 9 739		77	651	2		9	739
Sub-Totals							
CORMORANTS & DARTER		7.7	(51			0	=20
DARTER		77	651	2		9	739
Reed Cormorant	DARTER						
Sub-Totals							
HERONS & EGRETS Black-headed Heron							
Black-headed Heron		15	9	14	5	4	47
Cattle Egret							
Common Squacco	Black-headed Heron		2	20	2		25
Heron Great Egret 1	Cattle Egret	15	24	8	12	1	60
Great Egret 1 1 1 Grey Heron 1 10 3 4 18 Little Egret 14 3 5 8 Striated Heron 1 1 1 1 Black-crowned Night 13 13 1 27 Heron 1 5 6 Sub-Totals 31 60 49 29 2 171 STORKS & HAMERKOP 31 1 1 5 6 6 White Stork 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14	Common Squacco	1	10				11
Grey Heron 1 10 3 4 18 Little Egret 14 14 14 Yellow-billed Egret 3 5 8 Striated Heron 1 1 1 Black-crowned Night 13 13 1 27 Heron 1 5 6 6 Sub-Totals 31 60 49 29 2 171 STORKS & HAMERKOP 4 49 29 2 171 1 1 5 6 MAHAMERKOP 2 1 1 1 1 5 4 4 1 1 4 1 1 4 1 4 1 4 1 1 5 5 6 9 1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 569 1 3 595							
Little Egret 14 14 Yellow-billed Egret 3 5 8 Striated Heron 1 1 1 Black-crowned Night 13 13 1 27 Heron 1 5 6 Sub-Totals 31 60 49 29 2 171 STORKS & HAMERKOP 4 49 29 2 171 1 5 6 White Stork 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 12 15 15 15 16 15 16 <td><u> </u></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>1</td>	<u> </u>			-			1
Yellow-billed Egret 3 5 8 Striated Heron 1 1 1 Black-crowned Night 13 13 1 27 Heron 1 5 6 Sub-Totals 31 60 49 29 2 171 STORKS & HAMERKOP 4 49 29 2 171 White Stork 14 14 14 Hamerkop 2 1 1 1 5 Marabou Stork 28 228 310 1 2 569 Yellow-billed Stork 1 4 2 7 7 Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS 31 188 20 209 Hadada Ibis 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 </td <td></td> <td>1</td> <td></td> <td>3</td> <td>4</td> <td></td> <td>18</td>		1		3	4		18
Striated Heron 13			14				14
Black-crowned Night 13				3	5		
Heron						1	
Sub-Totals 31 60 49 29 2 171 STORKS & HAMERKOP White Stork 14 14 14 14 14 14 15 Marabou Stork 28 228 310 1 2 569 Yellow-billed Stork 1 4 2 7 7 Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS African Spoonbill 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	13		13	1		27
STORKS & HAMERKOP White Stork 14	Purple Heron			1	5		6
HAMERKOP White Stork 14 14 Hamerkop 2 1 1 1 5 Marabou Stork 28 228 310 1 2 569 Yellow-billed Stork 1 4 2 7 Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS 31 233 327 1 3 595 African Spoonbill 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 3 2 9 1 30 3 3	Sub-Totals	31	60	49	29	2	171
Hamerkop 2 1 1 5 Marabou Stork 28 228 310 1 2 569 Yellow-billed Stork 1 4 2 7 Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Marabou Stork 28 228 310 1 2 569 Yellow-billed Stork 1 4 2 7 Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	White Stork			14			14
Yellow-billed Stork 1 4 2 7 Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS SPOONBILLS African Spoonbill 11 1 12 Glossy Ibis 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE Afro-tropical Ducks & Geese 6 6 6 6 6 6	Hamerkop	2	1	1		1	5
Sub-Totals 31 233 327 1 3 595 IBISES & SPOONBILLS SPOONBILLS African Spoonbill 11 1 12 Glossy Ibis 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE 4fro-tropical Ducks & Geese 6eese 6eese	Marabou Stork	28	228	310	1	2	569
IBISES & SPOONBILLS African Spoonbill 11 1 12 Glossy Ibis 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE Afro-tropical Ducks & Geese 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Yellow-billed Stork	1	4	2			7
SPOONBILLS 11 1 12 African Spoonbill 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE Afro-tropical Ducks & Geese 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		31	233	327	1	3	595
African Spoonbill 11 1 12 Glossy Ibis 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE 4fro-tropical Ducks & Geese 6eese							
Glossy Ibis 1 188 20 209 Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				11		1	12
Hadada Ibis 10 8 2 9 1 30 Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•	1	188		20		
Sacred Ibis 12 176 109 21 318 Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE Afro-tropical Ducks & Geese	-	10		2		1	30
Sub-Totals 23 372 122 50 2 569 DUCKS & GEESE Afro-tropical Ducks & Geese 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Sacred Ibis	12	176	109	21		
Afro-tropical Ducks & Geese	Sub-Totals	23	372	122	50	2	569
Geese	DUCKS & GEESE						
	Egyptian Goose	16	351	70	7		444

Waterbird census, January 20015

Spur-winged Goose	=	4	7	14		25
Fulvous Whistling		120	,	17		120
Duck		120				120
Hottentot Teal		12		21		33
Red-billed Teal	2	16	4	12		34
White-faced Whistling	24	196	1	12		221
Duck	24	190	1			221
Yellow-billed Duck				21	6	27
White-backed Duck		4		21	U	4
Sub-Totals	42	703	82	75	6	908
-	42	2	02	/3	U	2
Garganey Sub-Totals		2				2
BIRDS OF PREY						
			1	1		
African Fish Eagle Eurasian Marsh Harrier			1 2	1		7
		5	3	1		7
Sub-Totals		3	3	1		
RAILS,						
GALLINULES &						
COOTS Plants Cooks		2	7		2	1.0
Black Crake		2	7	5	2	16
Common Moorhen			1	11	5	17
Purple Swamphen	0	41.7		5		5
Red-knobbed Coot	8	415	0	12		435
Sub-Totals	8	417	8	33	7	473
CRANES						100
Grey Crowned Crane		2	4	123		129
JACANAS						
African Jacana	3	8	2	12		25
Common Snipe			7			7
Black-winged Stilt	272	241	8	38		559
Sub-Totals	275	249	17	50		591
COURSERS &						
PRATINCOLES						
Collared Pratincole			2			2
PLOVERS &						
SANDPIPERS						
Afro-tropical						
Charadriidae						
Blacksmith Plover	16	123	38	12		189
Kittlitz's Plover		45	4			49
Long-toed Plover		2	3			5
Spur-winged Plover	20	66	4	9		99
Three-banded Plover	3	1	7	5		16
Sub-Totals	39	237	56	26		358
Palaearctic						· <u> </u>
Calidridinae						
Curlew Sandpiper			1			1
Little Stint		1,587	6			1,593
Ruff	18		1	27		46
Sub-Totals	18	1,587	8	27		1,640
Palaearctic						•
Charadriidae						
Ringed Plover		54				54
Sub-Totals		54				54
Palaearctic <i>Tringinae</i>						

Common Greenshank	19	11	18			48
Common Sandpiper	39	68	8	10	1	126
Green Sandpiper	2	4	2	5		13
Marsh Sandpiper	15	9		2		26
Wood Sandpiper	40	121	81	39		281
Sub-Totals	115	213	109	56	1	494
GULLS						
Grey-headed Gull		1				1
Sub-Totals		1				1
TERNS						
Whiskered Tern		511				511
White-winged Black		150	1			151
Tern						
Sub-Totals		661	1			662
KINGFISHERS						
Malachite Kingfisher		7	5		1	13
Pied Kingfisher				1	·	1
Sub-Totals		7	5	1	1	14

Waterbird Counts in Central Region

Waterbird counts in January/February 2015 in Central region of Kenya were conducted in five wetland sites; Lake Ol' Bolossat, Thika Sewage Ponds, Kinangop wetlands, Limuru Sewage Ponds and Manguo Ponds, Tables 7 & 8.

Manguo Ponds: This site was covered from 1000-1150hrs on January 7, 2015 by a team of 14 counters. The site had a total of 619 waterbirds of 35 species. The dominant species was Red-billed Teal (127) and Ruff with 90 individuals.

Kinangop Wetlands: Five dams/wetlands were covered in Kinangop plateau (Kingori, Michinda, Gachiri, Mbae and Seminis Dams). These counts were conducted on 12th and 18th February 2015 these wetlands were 702 waterbirds of 40 species. The counts recorded 96 individual

Lake Ol'bolossat: This is a slightly alkaline. Lake designated as an IBA. 85% covered by 32 counters walking along the riparian land from 0743-1120hr on 15 February 2015. The site had 6151 waterbirds of 63 species. The dominant

Limuru Sewage Ponds: This site was covered starting 1030-1055hrs on January 7, 2015 by a team of 12 counters. The site had a total of 62 waterbirds of 32 species. The dominant groups were Ibises and **Spoonbills with 33 individuals**

Thika Sewage Ponds: This site was counted on 18th January 2015 between 1115-1330hrs. The site had 3,146 waterbirds of 47 species. The most abundant groups were Afro-tropical Ducks and Geese (795) and the Ibises & Spoonbills (541).

by a team of 10 counters starting 0715-1120hrs. Each dam was counted by two counters. The totals

Northern Shovelers, 68 Cattle Egrets and 64 Egyptian Geese.

groups were the Afro-tropical Ducks and Geese (1,876) and the Ibises & Spoonbills (1,344), Table 7 & 8 below shows a summary of count results. A specific report (Wamiti *et al* 2015) is available on request.

Table 7: Summary of January February 2015 Waterbird counts in Central region

	L. Ol'bolossat	Thika Sewage Ponds	Kinangop Dams	Limuru ponds	Manguo ponds	Totals
Number of Volunteers		47	40	22	2.5	21=
Number of Species	63	47	40	32	35	217
Number of Waterbirds	6,151	3,146	702	62	619	10,680
Grebes	44	252	13		9	318
Pelicans	42	1.7				42
Cormorants & Darters	14	15	6	-	4	39
Heron & Egrets	236	89	88	1	20	434
Storks & Hamerkop	53	5	17	1	20	76
Ibises & Spoonbills	1,344	541	36	33	28	1,982
Afro-tropical Ducks & Geese	1,876	795	84		226	2,981
Palaearctic Ducks & Geese	44	111	99			254
Birds of Prey	29	1	1		1	32
Rails, Gallinules & Coots	900	34	48	1	94	1,077
Cranes	232		5		2	239
Jacanas	63	16			14	93
Stilts & Avocets	-	185	24		53	262
Coursers & Pratincoles	13					13
Afro-tropical Charadriidae	713	237	56	26		1,032
Palaearctic Calidridinae	294	495	57		141	987
Palaearctic Charadriidae	8	3	15			26
Palaearctic <i>Tringinae</i>	223	154	114		26	517
Gulls	3	1				4
Terns	3	210				213
Kingfishers	3	2			1	6
Snipes	16		7			23
Godwits	14		35			49
Grand total	12381	6339	1447	156	1273	21596

Table 8: January/February 2015 Waterbird counts in Central Region

Family, Species and sites	L. Ol'bolosat	Thika Sewage Ponds	Kinangop Dams	Limuru Ponds	Manguo ponds	Total
GREBES						
Little Grebe	44	252	13		9	318
Sub-Totals	44	252	13		9	318
PELICANS	1	202	10			
Great White Pelican	42					42
Sub-Totals	42					42
CORMORANTS & DARTER	12					<u> </u>
Reed Cormorant	14	15			4	33
Great Cormorant	11	13	6		'	6
Sub-Totals	14	15	6		4	39
HERONS & EGRETS	17	10	J		,	
Black-headed Heron	3	10	6		11	30
Cattle Egret	146	38	68		2	254
Common Squacco Heron	8	50	30		1	9
Great White Egret	15	4			1	20
Grey Heron	18	1	7		2	28
Little Egret	6	2	,			8
Yellow-billed Egret	29	6	6	1	3	45
Goliath Heron	3	0	0	1	3	3
Black-crowned Night Heron	3	28				28
Purple Heron	8	20	1			9
Sub-Totals	236	89	88	1	20	434
STORKS & HAMERKOP	230	07	00	1	20	7.7
Saddle-billed Stork	2					2
Hamerkop	1	1	3	1		6
Marabou Stork	1	4	3	1		4
Yellow-billed Stork	50	7	14			64
Sub-Totals	53	5	17	1		76
IBISES & SPOONBILLS	33	3	1/	1		70
African Spoonbill	113		6		9	128
Glossy Ibis	265	15	0	9	9	298
Hadada Ibis	445	59	10	11	2	527
Sacred Ibis	521	467	20	13	8	1,029
Sub-Totals	1,344	541	36	33	28	1,982
DUCKS & GEESE	1,577	J71	50	33	20	1,702
Afro-tropical Ducks & Geese						
Cape Teal	4					4
Egyptian Goose	309	24	64		4	401
Spur-winged Goose	22	∠+	04		+	22
Fulvous Whistling Duck	22	5			1	6
Hottentot Teal	223	38	8		35	304
Red-billed Teal	453	598	0		127	1178
Southern Pochard	433	2			1,4,1	2
White-faced Whistling Duck	8	42				50
Maccoa Duck	4	42				4
Knob-billed Duck	12					12

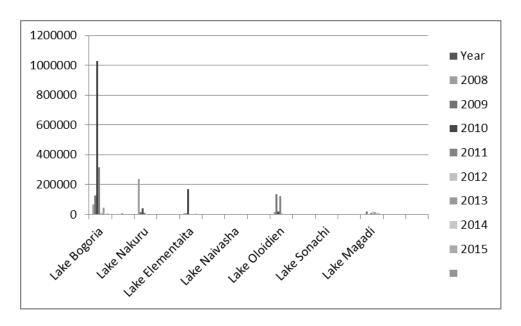
White-backed Duck	Yellow-billed Duck	839	86	8		59	992
Sub-Totals			00			37	
Palaearctic Ducks & Geese			795			226	
Northern Pintail		1,070	,,,,	0,		220	2,701
Northern Shoveler		6	2				8
Garganey				96			
Sub-Totals		30					
BIRDS OF PREY		44					
African Fish Eagle		, ,	111				201
Eurasian Marsh Harrier		5					5
Sub-Totals			1	1		1	
RAILS, GALLINULES & COOTS Black Crake							
Black Crake				1		1	
Common Moorhen		7	9		1	3	20
Purple Swamphen				4	-		
Red-knobbed Coot							
Sub-Totals	• •		22	44			1.033
CRANES 3 5 2 239 JACANAS 3 4 44 92 Lesser Jacana 1 1 14 92 Lesser Jacana 1 1 14 93 STILTS & AVOCETS 8 185 24 53 262 Sub-Totals 185 24 53 262 COURSERS & PRATINCOLES 2 2 53 262 COURSERS & PRATINCOLES 13 13 13 13 13 14 14 15 262 20 262 20 262 20 262 20 262 20 262 20 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 262 263 <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>					1		
Grey Crowned Crane		700		,,,	1	- ,	1,077
Section Sect		232		5		2	239
African Jacana		252		3			207
Lesser Jacana		62.	16			14	92.
Sub-Totals			10			1.	
STILTS & AVOCETS Black-winged Stilt 185 24 53 262 Sub-Totals 185 24 53 262 COURSERS & PRATINCOLES Collared Pratincole 13 13 13 13 13 14 14 14 14 14 14 14 18 18 14 14 18 18 14 14 18 18 14 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 <td></td> <td></td> <td>16</td> <td></td> <td></td> <td>14</td> <td></td>			16			14	
Black-winged Stilt		05	10			1 /	
Sub-Totals			185	24		53	262
COURSERS & PRATINCOLES 13 13 Collared Pratincole 13 13 PLOVERS & SANDPIPERS 3 4 Afro-tropical Charadriidae 588 25 56 2 19 690 Crowned Plover 2 2 2 14 18 Long-toed Plover 46 28 74 14 18 Spur-winged Plover 53 87 5 145 5 59 Sub-Totals 713 160 84 2 988 Palaearctic Calidridinae 7 7 7 Little Stint 39 432 25 51 547 Ruff 255 63 25 90 433 Sub-Totals 294 495 57 141 987 Palaearctic Charadriidae 8 3 15 26 Ringed Plover 8 3 15 26 Palaearctic Tringinae 7 37 4 <t< td=""><td><u> </u></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	<u> </u>						
Collared Pratincole			100				
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Marsh Sandpiper 30 4 34 4 72 Spotted Redshank 12 12 12							
Spotted Redshank 12 12	* *					4	
	Wood Sandpiper	68	116	12		14	210

Sub-Totals	223	154	114	26	517
GULLS					
Grey-headed Gull	3	1			4
Sub-Totals	3	1			4
TERNS					
Gull-billed Tern		11			11
Whiskered Tern	3	18			21
White-winged Black Tern		181			181
Sub-Totals	3	210			213
KINGFISHERS					
Giant Kingfisher	2				2
Malachite Kingfisher		2		1	3
Pied Kingfisher	1				1
Sub-Totals	3	2		1	6
SNIPE					
African Snipe	8		3		11
Common Snipe	8		4		12
Sub-Totals	16		7		23
Black-tailed Godwit	14		35		49

Table 9 Trends in flamingo numbers between 2008 and 2015

	Lake Bogoria		Lake Nakuru		Lake Elementaita		Lake Naivasha		Oloidien		Sonachi		Magadi	
Year	Lesser	Greater	Lesser	Greater	Lesser	Greater	Lesser	Greater	Lesser	Greater	Lesser	Greater	Lesser	Greater
2008	66727	3120	239958	1852	6091	823	0	0	16642	64	15	1		
2009	128515	1402	15340	2556	6325	3146	3	177	134521	1162	15	1	21482	117
2010	1030511	1392	41592	29	169125	1177	1	111	18519	376	X	X	X	X
2011	316390	5398	10168	4325	2190	2951	2	1	123630	856	X	X	11332	363
2012	9130	1061	110	478	127	72	20	0	5621	20	X	X	18299	33
2013	44926	1788	2212	1572	3100	1781	0	0	72	35	3	1	16358	233
2014	1028	244	4233	800	5381	166	3	0	130	5	41	2	12415	1409
2015	5613	4210	430	1092	4332	674	2	0	0	0	0	1	7507	119

X= missing data



Trends in Lesser Flamingos between the years 2008 and 2015

This report covers only the flamingos counted in January 2008 to January 2015. The Kenyan Rift Valley lakes are all very different and unique in bird population and species composition at any given time. The years 2009 to 2011 experienced the highest populations of lesser flamingos, with Lake Bogora having the population in 2010. The numbers of the lesser flamingos reduced significantly as from 2012. There was a slight pick in 2013 to 2015. The Lake Magadi is the most stable Lake for lesser flamingo population in the Kenya Rift lakes. It does not hold huge populations exceeding maximum of 20,000 of lesser flamingos and minimum not below 7500 flamingos. It experiences quite a narrow

fluctuation margins over years, except in 2015, when there was a sudden reduction in numbers of flamingos(7507 birds). The habitat and conditions are sounds and most suitable for lesser flamingos. Lake Nakuru and Bogoria can hold the most numbers of lesser flamingos when the conditions are favorable. Each can hold as much as 0.3 to 0ne million lesser flamingos. However Nakuru is the most affected with reduced numbers immediately a change in water levels. For example a sudden increase in water levels will lead to a sudden drop to as less as 100 birds. The year 2011 experienced the highest population of the greater flamingos across The Rift Valley Lakes. Lake Bogoria, Naguru and Elementaita have the highest populations of greater flamingos

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Acknowledgement

The January 2015 waterbird counts were financially supported by Nature Kenya (Bird Committee) WWF (IWRAP Programme) through Dr. Sunita Sakar, County Government of Nyandarua through Ms. Judy Muhia (Executive Committee Member) and Shadrack Kanyugo (Tourism Officer) and County Government of Baringo through Mr. Raphael Kimosop (Lake Bogoria National Reserve). Great efforts in coordinating, logistical and actual counts assistance was also provided by KWS (Wardens, Research Scientists and Rangers at Lakes Nakuru National Park, Elmenteita, Naivasha, Bogoria Nairobi National Park) and Lake Ol' Bolossat. Special recognition to Emily Atai (L. Nakuru National Park) and Evalyne Silali (Hell's Gate National Park) for arranging for effective transport of volunteer groups within counting zones at Nakuru and Naivasha/Elmenteita counts. Counting at Lake Elmenteita was possible Soysambu through the facilitation of Conservancy (Ms. Kathryn Combes, Nelson Rotich, Betty Limo and Amos Chege). Counting at L. Naivasha was possible through boats access provided and organized by Lake Naivasha Riparian Association (Silas Wanjala, Evalyne Silali and Sarah Higgins), Lake Naivasha Country Club, Fisheries Department, Elsamere Education Centre, Kenya Wildlife Service, Naivasha Yatch Club, Oserian Development Company, Hippo Point and Coxswan Kimani's company boat. The count organizers are also very grateful to all volunteers who gave their valuable time and commitment to this monitoring exercise. We are very pleased about the gesture demonstrated by Kenya Wildlife Service (Nyahururu Station) to host the team. Special thanks to the warden in-charge Mr. Wellington Gathungu. Kenya Forest Service (Uaso Narok FR) kindly granted permission to collect firewood in the forest. We can't forget the continued invaluable contribution of Nyahururu Bird Club who helps with organizing for logistics on the ground including fire wood collection, team formation and providing knowledge on the ground (Peter Karani, Samuel Karanja and Amina Njoki). Nyahururu Water and Sanitation Company allowed us access to the sewage treatment ponds.

We appreciate the kindness of those volunteers who assisted with transportation of volunteers in their vehicles (Jack Kiiru, Fleur Ng'weno, Wanyoike Wamiti, Dominic Kimani, Douglas Gachucha and Robert Kiambati). We also appreciate the members of Friends of Kinangop Plateau, Friends of Lakes Nakuru and Bogoria, not forgetting Lake Naivasha Nature Club for actively participating in the counts in Kinangop Wetlands, L. Nakuru L. Bogoria and L. Naivasha respectively. Special gratitude to Fleur Ng'weno for providing information to getting access to various sites in Nairobi and organizing the Wednesday morning bird walks and Sunday bird walks that helped immensely during the counts in Nairobi region. All TEAM LEADERS for providing their skills to lead counting groups, without whom the counts would have borne heavily on the shoulders of the national coordinators. Jacinta Muriithi, Moses Ngugi, and Cynthia Opany assisted with meals preparation and management of the camp for bird counters. Special Thanks to all staff and interns at Ornithology Section of the National Museums of Kenya who assisted with logistics, particularly Wanyoike Wamiti, Henry Ndithia, Edson Mlamba, Dominic Chesire, John Gitiri, Edwin Njuguna, Peter Muriithi (Nature Kenya). Your efforts are recognized.

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