

DETAILED REVIEW OF WATERBIRD COUNT FOR JANUARY 2016 IN BURUNDI.



Counters at work, PN Rusizi Cibitoke (Photo Niyongabo)

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O. INTRODUCTION

On January to July, ABN (Association Burundaise pour la protection de la Nature) organizes waterbirds counting since 2005. However, during 2009, as a result of lack of means both human and financial, the activity was interrupted. It is in January 2013 that the counting restarted due to training of new counters from ABN, OBPE (Office Burundais pour la Protection de l'Environnement), UB (Université du Burundi) by Nagy Szabolcs of Wetlands International. But lack of financial resources didn't allow covering all the key sites selected in Burundi. Only a part of Rusizi National Park (NP) has been covered until 2015. With the celebration of the fiftieth anniversary worldwide, the ABN has been supported by Wetlands International and a complete coverage occurred on our Burundi National territory.

The sites covered are: Lake Dogodogo (Cibitoke) , the northern lakes namely Cohoha, Rweru , Rwihinda (Kirundo) , Ruvubu NP (Cankuzo) , Kibira NP (Kayanza) , Malagarazi swamp (Rutana) Kigwena Natural Reserve Forest (KNF) (Rumonge) .

The following lines show us different sites recounted and our successes for species counted despite barriers such as rain and very few resources.

I. COUNTING AT RUSIZI NP

The RUSIZI National Park is a Ramsar site and Important Birds Area (IBA). It is crossed by Rusizi River which constitutes the border between Burundi and the Democratic Republic of Congo (DRC). Before falling into Lake Tanganyika, it branches into two arms and forms the delta of Rusizi. Rusizi delta is much coveted by waterbirds and serves as the resting place for migratory birds on their way to South Africa.

The Rusizi NP is chosen as the parent site and hosts the observation points which are the watchtower 1, watchtower 2, estuary, lagoons 1 and lagoons 2, Buterere and Lake Tanganyika on the side of Bujumbura and its surroundings. It should be added to this the palm groves side; the name of the fake palm endemic in Burundi. The latter is rarely visited.

During the counting of January 2016, many waterbirds were counted and the total number up to 6374.

Rusizi NP is one of the main sites of exceptional importance because of its rich biodiversity birds from residents to migratory.

Its geographical location placing it near the capital Bujumbura, allows to attract researchers, tourists and people who wants to relax.

Note that the flamingos often visit this site without forgetting the Grey Crowned Crane (*Balearica regulorum*), specie placed on the Red List and endangered in Burundi.

It is therefore very important to devote more energy and resources by Burundi for being able to attract tourists for the benefit of the whole world as the area hosts “pilgrims”. There are also other animals such as the hippo, crocodiles, otters, antelopes, rodents, rabbits, snakes.



Counters team preparing for the counting at the RUSIZI NP (E. Niyongabo)



The IWC National Coordinator at work in lagoons (P. Kezimana)

One can notice the boat used and imagine the danger facing the counters due to the presence of the hippos and the risk of drowning without life jackets. The inaccessibility of lagoons due to lack of the appropriate boat, flooding the Rusizi river does not allow the presence of many species on the sandbanks overwhelmed by water.



Hippos eat grass (E. Niyongabo)

II. Counting in the Northern Lakes

Northern Burundi has several lakes; one of them is called “lac aux oiseaux” (Lake of Birds) because of the presence of several species of waterbirds ranged from residents to migratory. These lakes were grouped into protected reserves of Bugesera.

They are also classified as Ramsar and ZICO sites. These include, among other Rwihinda Lake (Lake of Birds); lake may attract tourists once arranged for ecotourism, this lake is not far from Kirundo city. Then comes lakes Cohoha, Rweru on the border with Rwanda, Kanzigiri and Gacimirinda. Note that only Rwihinda, Rweru and Cohoha were visited due to the insufficient funds and material resources.

The Rwihinda lake has an Island (Kagwa) with trees and shrubs that serve as perches and nesting place without omitting floating islands coveted by numerous species of waterbirds.

During January 2016 counts, several waterbirds were counted and the total number reached 1013.

Note that the local people indicate the presence of the Grey Crowned Crane, rodents, snakes, fishes, etc.

Only Rwihinda lake has a canoe of wooden planks with engine.

It is very important to devote more time and energy to attract tourists for the interest of Burundi and the world.



The floating island in the lake Rwigyira and species such as White-faced Whistling Duck (*Dendrocygna viduata*), Great Cormorant (*Phalacrocorax carbo*) and Long-tailed Cormorant (*Phalacrocorax africanus*) (Photo E. Niyongabo).

The lack of appropriate boats and a strong wind did not allow a better visibility at a certain distance and the rains did not allow enumeration of many species.

Only a day and a half was devoted to these selected lakes. The Limited material and financial resources were big constraints to reach the results given the partial coverage of the sites.

III. Counting in the Lake Dogodogo

The Dogodogo Lake is small considering its extent area. It is located northwest Burundi in Cibitoke province. Its geographical location placing it close to Rusizi River and allows it hosting many species of birds ranging from migratory to residents.

Dogodogo Lake is unfortunately not protected. Artisanal fishermen use any means of fishery no matter they have permit or not. The most important for them is to get fishes to eat with cassava, a meal which is very appreciated in the region.

Meanwhile, the number of counted birds is important despite the heavy rain which was a serious bother to the move. Archaic canoes there can transport only one person and majority of canoes used are not adapted and equipped for a research. The lonely canoe could carry only two people, the driver and the counter with only binoculars again it is difficult to use because of the risk of falling it into water, the

problem is the same with the camera. There, we worked without life jackets, no book notes of recording and we were obliged to use our cells phones.

During the counting of January 2016, many waterbirds were counted and the total number reached 3496. Note that the Rusizi river, near Dogodogo Lake was impassable because of the rains and the overflowing water just missing a little to confine ourselves and hippos screaming everywhere. Lack of telescopes does not also conducting to good results.



The IWC National Coordinator with the driver getting ready to enter Dogodogo lake using a canoe (Photo E. D. Ndayisaba)



The Lesser Jacana Jacana (*Microparra capensis*) in Lake Dogodogo (Photo E. Niyongabo)

IV. Counting in the Kibira NP

The Kibira NP is one of IBA in Burundi. It mainly hosts some species of the forest; over there build the artificial lake which drains water that activate turbines in producing the electric power. Water birds are found there such as the Grey Crowned Crane. Moreover, poaching and trappings cause a significant decrease of birds.



Trap birds in artificial lake of Rwegura water (Photo E. Niyongabo)



A couple of Grey Crowned Crane on the ground foraging near Rwegura artificial lake (Photo E. Niyongabo).

During the counting of January 2016, few individuals have been identified up to 41 including 2 Grey Crowned Crane.

V. Counting at lake Tanganyila on Kigwena side.

Kigwena Natural Reserve Forest is a peri-Guinean forest located at Rumonge province in south-west of Burundi. It extends along Lake Tanganyika and is largely the home for birds of forest and some resident waterbirds species. The position of this forest also allows migratory birds to pass by there.

Because of a good communication between fishermen of the Lake Tanganyika, the army navy and the ABN, we have been borrowed a modern canoe and life jackets for counting.



Team counters with the driver on the shore Lake Tanganyika (Photo A. Nkenerwa)



Team counters on the shore Lake Tanganyika (Photo A. Nkenerwa)



The water of Lake Tanganyika with some migratory birds (Photo E. Niyongabo).

During the counting of January 2016, few individuals have been identified up to 152.

VI. Counting in Swamp of Malagarazi River.

Malagarazi river with it's a great swamp is declared protected area since 2011 but that has remained in the writings when seeing the channels built to irrigate the rice fields that extend over several kilometers. Despite this, several species of birds and especially waterbirds can be found there. However, poaching does not foster the development of these birds.

During the counting of January 2016, few individuals have been identified because of heavy rain the whole the day.

Nevertheless, the inhabitants of the region revealed the existence of a probable existence of a Shoebill (*Balaeniceps rex*) even though the publications mentioned that it does no longer live in Burundi. The Saddle-billed Stork (*Ephippiorhynchus senegalensis*) also exists in these same marshes even if it has not been counted.

Marshes of Malagarazi are very strategic as they elongate between Tanzania and Burundi. The counters indicate the breeding of Spur-winged Goose (*Plectropterus gambensis*) by a local resident; which could increase poaching if nothing is done to discourage this practice.

During the counting of January 2016, few individuals have been identified: 66 in total include 2 Grey Crowned Cranes.

VII. Counting at Ruvubu National Park

The Ruvubu NP is located in Eastern Burundi and extends over four provinces namely Cankuzo, Muyinga, Ruyigi and Karusi. This park is placed among the IBAs in the country.

The park stretches along the Ruvubu river hence the name “Ruvubu” means hippopotamus river. The marshes extend over several kilometers are visited by many species of birds and some of which are waterbirds.

During the counting of January 2016, few individuals have been identified because it has rained all the day. These rains caused the overflowing of Ruvubu water making it an impenetrable area, given the limited financial resources and time.

The Woolly-necked Stork (*Ciconia episcopus*) also exists in these same marshes even though it has not been counted.

VIII. Conclusion

The geographic location of Burundi allows it to be much coveted by migratory birds.

Counts of January 2016 took place in difficult conditions due to the late arrival of subsidies from Wetlands International.

There has not been field visit for delimitation; the limited financial resources did not allow a full coverage.

Despite these difficulties above, we thank with all our heart Wetlands International for his help and vision to promote bird conservation in the world and support to bring countries around a common goal.

This report should not be closed without formulating some propositions for individuals concerned with the conservation of nature in general and especially those interested in the counts of waterbirds in particular. Thus, we recommend:

Ornithologists researchers:

- ☞ To make a Follow up of our work and focus more energy to promote birdwatching in Burundi. Not to ignore the winged population and more research thereto to establish its place in the Burundian science.
- ☞ To continue research on the species of birds not usual in Burundi and multiply publications and awareness on all levels.

To the government:

- ☞ To make Dogodogo lake, a protected area and ensure its lasting protection.
- ☞ Review the area of Malagarazi marshlands and prohibit any human activity.
- ☞ The Burundian Government is called to redouble efforts in the implementation of environmental laws and revise some that are not relevant.
- ☞ In addressing climate change, avoid assisting the disappearance of species and promote ecotourism in Burundi.
- ☞ To support ornithological research activities for a better visibility of Burundi.
- ☞ To think of biodiversity and thus the natural habitat of living beings in its programs to feed the Burundian people by preserving certain lands including wetlands

To Donors:

- ☞ To think of Burundi and to continue to support the country financially and materially to help the country to it achieve scientific maturity.
- ☞ To be many to support Burundi.
- ☞ To finance trainings of other counters to facilitate the coverage of the whole country.
- ☞ To facilitate counting by releasing timely findings to allow preparations.
- ☞ To increase the funding to allow constant activities related to the counts of waterbirds.

ANNEXS

Annex1 : Data per site

SITECODE	SITENAME	DAY	MONTH	YEAR	SPECIESNAME	SPECIESCODE	COUNT
BI00005	Lagune 2, Gatumba	16	1	2016	Gray heron	ARDCI	2
BI00005	Lagune 2, Gatumba	16	1	2016	Black Crake	PORFL	25
BI00005	Lagune 2, Gatumba	16	1	2016	Purple Heron	ARDPU	28
BI00005	Lagune 2, Gatumba	16	1	2016	Cattle Egret	BUBIB	37
BI00005	Lagune 2, Gatumba	16	1	2016	Squacco Heron	ARDRA	24
BI00005	Lagune 2, Gatumba	16	1	2016	White-winged Tern	CHLLE	151
BI00005	Lagune 2, Gatumba	16	1	2016	Long-tailed Cormorant	PHAAF	7
BI00005	Lagune 2, Gatumba	16	1	2016	African Jacana	ACTAF	4
BI00005	Lagune 2, Gatumba	16	1	2016	Common Sandpiper	ACTHY	9
BI00005	Lagune 2, Gatumba	16	1	2016	Sacred Ibis	THRAE	13
BI00005	Lagune 2, Gatumba	16	1	2016	African Openbill	ANALA	5
BI00005	Lagune 2, Gatumba	16	1	2016	Hottentot Teal	ANAHO	26
BI00005	Lagune 2, Gatumba	16	1	2016	Allen's Gallinule	GALAL	4
BI00005	Lagune 2, Gatumba	16	1	2016	Goliath Heron	ARDGO	1
BI00005	Lagune 2, Gatumba	16	1	2016	Malachite Kingfisher	ALCCR	2
BI00005	Lagune 2, Gatumba	16	1	2016	Glossy Ibis	PLEFA	167
BI00005	Lagune 2, Gatumba	16	1	2016	Intermediate Egret	EGRIN	3
BI00009	Lagune 1, PNR	16	1	2016	Gray heron	ARDCI	2
BI00009	Lagune 1, PNR	16	1	2016	Gray heron	ARDCI	2
BI00009	Lagune 1, PNR	16	1	2016	White-fronted Plover	CHAMA	50
BI00009	Lagune 1, PNR	16	1	2016	Blacksmith Lapwing	VANAR	10
BI00009	Lagune 1, PNR	16	1	2016	Black-winged Stilt	HIMHI	62
BI00009	Lagune 1, PNR	16	1	2016	Common Greenshank	TRINE	1220
BI00009	Lagune 1, PNR	16	1	2016	African Marsh-Harrier	CIRRA	20
BI00009	Lagune 1, PNR	16	1	2016	Grey-headed Gull	CHRCI	450
BI00009	Lagune 1, PNR	16	1	2016	Cattle Egret	BUBIB	1050
BI00009	Lagune 1, PNR	16	1	2016	Common Tern	STEH	10
BI00009	Lagune 1, PNR	16	1	2016	Glossy Ibis	PLEFA	700
BI00009	Lagune 1, PNR	16	1	2016	Little Egret	EGRGA	20
BI00009	Lagune 1, PNR	16	1	2016	African Pygmy-Goose	NETAU	10
BI00009	Lagune 1, PNR	16	1	2016	Sacred Ibis	THRAE	30
BI00015	Buterere	16	1	2016	Gray heron	ARDCI	2
BI00015	Buterere	16	1	2016	Gray heron	ARDCI	2
BI00015	Buterere	16	1	2016	Cattle Egret	BUBIB	27
BI00015	Buterere	16	1	2016	Long-tailed Cormorant	PHAAF	6
BI00015	Buterere	16	1	2016	Great White Pelican	PELON	5
BI00015	Buterere	16	1	2016	Little Egret	EGRGA	30
BI00015	Buterere	16	1	2016	Hadada Ibis	HAGHA	10
BI00015	Buterere	16	1	2016	Whiskered Tern	CHLHY	120
BI00015	Buterere	16	1	2016	Common Sandpiper	ACTHY	30
BI00015	Buterere	16	1	2016	Intermediate Egret	EGRIN	5

Annex 1 : Data per site

BI00015	Buterere	16	1	2016	Blacksmith Lapwing	VANAR	1
BI00015	Buterere	16	1	2016	Black-winged Stilt	HIMHI	1
BI00015	Buterere	16	1	2016	Malachite Kingfisher	ALCCR	3
BI00007	Mirador 1, PNR	16	1	2016	Common Sandpiper	ACTHY	20
BI00007	Mirador 1, PNR	16	1	2016	Common Sandpiper	ACTHY	20
BI00007	Mirador 1, PNR	16	1	2016	White-faced Whistling-Duck	DENVI	3
BI00007	Mirador 1, PNR	16	1	2016	Fulvous Whistling-Duck	DENBI	3
BI00007	Mirador 1, PNR	16	1	2016	Purple Heron	ARDPU	1
BI00007	Mirador 1, PNR	16	1	2016	Gray heron	ARDCI	2
BI00007	Mirador 1, PNR	16	1	2016	Pied Kingfisher	CERRU	5
BI00006	Embouchure, PNR	16	1	2016	Long-tailed Cormorant	PHAAF	15
BI00006	Embouchure, PNR	16	1	2016	Long-tailed Cormorant	PHAAF	15
BI00006	Embouchure, PNR	16	1	2016	Common Sandpiper	ACTHY	23
BI00006	Embouchure, PNR	16	1	2016	Grey-headed Gull	LARCIR	3
BI00006	Embouchure, PNR	16	1	2016	Eurasian Curlew	NUMAR	3
BI00006	Embouchure, PNR	16	1	2016	Great Cormorant	PHACA	1
BI00006	Embouchure, PNR	16	1	2016	African Skimmer	RYNFL	18
BI00006	Embouchure, PNR	16	1	2016	Fulvous Whistling-Duck	DENBI	1
BI00006	Embouchure, PNR	16	1	2016	White-winged Tern	CHLLE	34
BI00006	Embouchure, PNR	16	1	2016	Common Greenshank	TRINE	6
BI00006	Embouchure, PNR	16	1	2016	Marsh Sandpiper	TRIST	701
BI00006	Embouchure, PNR	16	1	2016	Cattle Egret	BUBIB	4
BI00006	Embouchure, PNR	16	1	2016	Gray heron	ARDCI	1
BI00006	Embouchure, PNR	16	1	2016	Ruff	PHIPU	1
BI00006	Embouchure, PNR	16	1	2016	Grey-headed Gull	LARCIR	14
BI00006	Embouchure, PNR	16	1	2016	Long-tailed Cormorant	PHAAF	1
BI00006	Embouchure, PNR	16	1	2016	African Openbill	ANALA	16
BI00006	Embouchure, PNR	16	1	2016	Little Egret	EGRGA	2
BI00014	Kabondo	16	1	2016	Cattle Egret	BUBIB	764
BI00014	Kabondo	16	1	2016	Cattle Egret	BUBIB	764
BI00014	Kabondo	16	1	2016	Long-tailed Cormorant	PHAAF	3
BI00014	Kabondo	16	1	2016	African Openbill	ANALA	8
BI00014	Kabondo	16	1	2016	Rufous-bellied Heron	ARDRU	13
BI00014	Kabondo	16	1	2016	Pied Kingfisher	CERRU	2
BI00014	Kabondo	16	1	2016	Purple Heron	ARDPU	1
BI00011	Hôtel Tanganyika	16	1	2016	African openbill	ANALA	11
BI00011	Hôtel Tanganyika	16	1	2016	African openbill	ANALA	11
BI00011	Hôtel Tanganyika	16	1	2016	Cattle Egret	BUBIB	5
BI00011	Hôtel Tanganyika	16	1	2016	Little Egret	EGRGA	30
BI00008	Mirador 2, PNR	16	1	2016	White-faced Whistling-Duck	DENVI	1

BI00008	Mirador 2, PNR	16	1	2016	White-faced Duck	Whistling-	DENVI	1
BI00008	Mirador 2, PNR	16	1	2016	Gray heron		ARDCI	1
Annex1 : Data per site (following)								
BI00008	Mirador 2, PNR	16	1	2016	Common Greenshank		TRINE	9
BI00008	Mirador 2, PNR	16	1	2016	Little Bittern		IXOMI	1
BI00013	Cercle Nautique	16	1	2016	Dwarf Bittern		IXOST	2
BI00013	Cercle Nautique	16	1	2016	Dwarf Bittern		IXOST	2
BI00013	Cercle Nautique	16	1	2016	Cattle Egret		BUBIB	150
BI00013	Cercle Nautique	16	1	2016	African Openbill		ANALA	7
BI00020	Rwegura	23	1	2016	Gray Crowned-Crane		BALRE	2
BI00020	Rwegura	23	1	2016	Gray Crowned-Crane		BALRE	2
BI00020	Rwegura	23	1	2016	Common Sandpiper		ACTHY	1
BI00020	Rwegura	23	1	2016	Pink-backed Pelican		PELRU	4
BI00020	Rwegura	23	1	2016	Yellow-billed Duck		ANAUN	15
BI00020	Rwegura	23	1	2016	Black-headed Heron		ARDME	17
BI00021	Mukazye	23	1	2016	Gray Crowned-Crane		BALRE	2
BI00021	Mukazye	23	1	2016	Gray Crowned-Crane		BALRE	2
BI00021	Mukazye	23	1	2016	Gray heron		ARDCI	50
BI00021	Mukazye	23	1	2016	Hamerkop		SCOUM	3
BI00021	Mukazye	23	1	2016	Pied Kingfisher		CERRU	1
BI00021	Mukazye	23	1	2016	Intermediate Egret		EGRIN	1
BI00021	Mukazye	23	1	2016	African Jacana		ACTAF	5
BI00022	Lac Cohoha	23	1	2016	Pied Kingfisher		CERRU	5
BI00022	Lac Cohoha	23	1	2016	Pied Kingfisher		CERRU	5
BI00022	Lac Cohoha	23	1	2016	Cattle Egret		BUBIB	15
BI00022	Lac Cohoha	23	1	2016	Little Egret		EGRGA	2
BI00002	Lac Rwihinda	23	1	2016	Long-tailed Cormorant		PHAAF	36
BI00002	Lac Rwihinda	23	1	2016	Long-tailed Cormorant		PHAAF	36
BI00002	Lac Rwihinda	23	1	2016	Little Bittern		IXOMI	4
BI00002	Lac Rwihinda	23	1	2016	Dwarf Bittern		IXOST	3
BI00002	Lac Rwihinda	23	1	2016	Black-crowned Heron	Night-	NYCNY	50
BI00002	Lac Rwihinda	23	1	2016	Cattle Egret		BUBIB	20
BI00002	Lac Rwihinda	23	1	2016	Squacco Heron		ARDRA	20
BI00002	Lac Rwihinda	23	1	2016	Striated Heron		BUTST	40
BI00002	Lac Rwihinda	23	1	2016	Rufous-bellied Heron		ARDRU	20
BI00002	Lac Rwihinda	23	1	2016	Little Egret		EGRGA	100
BI00002	Lac Rwihinda	23	1	2016	Purple Heron		ARDPU	5
BI00002	Lac Rwihinda	23	1	2016	Gray heron		ARDCI	10
BI00002	Lac Rwihinda	23	1	2016	Black-headed Heron		ARDME	15
BI00002	Lac Rwihinda	23	1	2016	Hadada Ibis		HAGHA	25
BI00002	Lac Rwihinda	23	1	2016	White-faced Duck	Whistling-	DENVI	30

BI00002	Lac Rwihinda	23	1	2016	Fulvous Whistling-Duck	DENBI	10
BI00002	Lac Rwihinda	23	1	2016	Yellow-billed Duck	ANAUN	2
BI00002	Lac Rwihinda	23	1	2016	African Fish-Eagle	HALVO	2
BI00002	Lac Rwihinda	23	1	2016	Black Crake	PORFL	6
Annex 1 : Data per site (Following)							
BI00002	Lac Rwihinda	23	1	2016	Allen's Gallinule	GALAL	2
BI00002	Lac Rwihinda	23	1	2016	African Jacana	ACTAF	40
BI00002	Lac Rwihinda	23	1	2016	Blacksmith Lapwing	VANAR	10
BI00002	Lac Rwihinda	23	1	2016	Common Sandpiper	ACTHY	30
BI00002	Lac Rwihinda	23	1	2016	Pied Kingfisher	CERRU	70
BI00001	Lac Rweru	24	1	2016	Long-tailed Cormorant	PHAAF	30
BI00001	Lac Rweru	24	1	2016	Long-tailed Cormorant	PHAAF	30
BI00001	Lac Rweru	24	1	2016	Dwarf Bittern	IXOST	5
BI00001	Lac Rweru	24	1	2016	Rufous-bellied Heron	ARDRU	10
BI00001	Lac Rweru	24	1	2016	Cattle Egret	BUBIB	80
BI00001	Lac Rweru	24	1	2016	Squacco Heron	ARDRA	60
BI00001	Lac Rweru	24	1	2016	Little Egret	EGRGA	10
BI00001	Lac Rweru	24	1	2016	African Fish-Eagle	HALVO	3
BI00001	Lac Rweru	24	1	2016	Palm-nut Vulture	GYPAN	2
BI00001	Lac Rweru	24	1	2016	African Openbill	ANALA	15
BI00001	Lac Rweru	24	1	2016	White-faced Whistling-Duck	DENVI	15
BI00001	Lac Rweru	24	1	2016	Black Crake	PORFL	8
BI00001	Lac Rweru	24	1	2016	African Jacana	ACTAF	15
BI00001	Lac Rweru	24	1	2016	Pied Kingfisher	CERRU	150
BI00001	Lac Rweru	24	1	2016	Woodland Kingfisher	HALSE	2
BI00003	Secteur Palmerais	22	1	2016	Yellow Wagtail	MOTFL	1
BI00003	Secteur Palmerais	22	1	2016	Yellow Wagtail	MOTFL	1
BI00003	Secteur Palmerais	22	1	2016	Gray heron	ARDCI	1
BI00003	Secteur Palmerais	22	1	2016	Long-tailed Cormorant	PHAAF	2
BI00003	Secteur Palmerais	22	1	2016	Cattle Egret	BUBIB	100
BI00003	Secteur Palmerais	22	1	2016	Intermediate Egret	EGRIN	9
BI00003	Secteur Palmerais	22	1	2016	Black-headed Heron	ARDME	1
BI00018	Mparambo	22	1	2016	Long-tailed Cormorant	PHAAF	2
BI00018	Mparambo	22	1	2016	Long-tailed Cormorant	PHAAF	2
BI00018	Mparambo	22	1	2016	Black-headed Heron	ARDME	25
BI00018	Mparambo	22	1	2016	Intermediate Egret	EGRIN	19
BI00018	Mparambo	22	1	2016	Gray heron	ARDCI	8
BI00018	Mparambo	22	1	2016	Sacred Ibis	THRAE	50
BI00017	Karira	23	1	2016	White-faced Whistling-Duck	DENVI	10
BI00017	Karira	23	1	2016	White-faced Whistling-Duck	DENVI	10
BI00017	Karira	23	1	2016	Cattle Egret	BUBIB	24

BI00017	Karira	23	1	2016	Common Sandpiper	ACTHY	1
BI00017	Karira	23	1	2016	Malachite Kingfisher	ALCCR	1
BI00017	Karira	23	1	2016	African Openbill	ANALA	12
BI00017	Karira	23	1	2016	Yellow-billed Duck	ANAUN	2
BI00017	Karira	23	1	2016	African Fish-Eagle	HALVO	2
BI00017	Karira	23	1	2016	Hamerkop	SCOUM	1
Annex 1 : Data per site (Following)							
BI00017	Karira	23	1	2016	Water Thick-knee	BURVE	2
BI00017	Karira	23	1	2016	Yellow Wagtail	MOTFL	1
BI00017	Karira	23	1	2016	Hadada Ibis	HAGHA	4
BI00017	Karira	23	1	2016	Cattle Egret	BUBIB	231
BI00017	Karira	23	1	2016	White-winged Tern	CHLLE	20
BI00017	Karira	23	1	2016	Common Sandpiper	ACTHY	50
BI00019	Lac Dogodogo	23	1	2016	Cattle Egret	BUBIB	2743
BI00019	Lac Dogodogo	23	1	2016	Cattle Egret	BUBIB	2743
BI00019	Lac Dogodogo	23	1	2016	Common Sandpiper	ACTHY	19
BI00019	Lac Dogodogo	23	1	2016	Pink-backed Pelican	PELRU	2
BI00019	Lac Dogodogo	23	1	2016	Squacco Heron	ARDRA	55
BI00019	Lac Dogodogo	23	1	2016	Great Cormorant	PHACA	1
BI00019	Lac Dogodogo	23	1	2016	Rufous-bellied Heron	ARDRU	4
BI00019	Lac Dogodogo	23	1	2016	Purple Heron	ARDPU	3
BI00019	Lac Dogodogo	23	1	2016	Gray heron	ARDCI	2
BI00019	Lac Dogodogo	23	1	2016	Hamerkop	SCOUM	3
BI00019	Lac Dogodogo	23	1	2016	African Openbill	ANALA	22
BI00019	Lac Dogodogo	23	1	2016	White-faced Whistling-Duck	DENVI	3
BI00019	Lac Dogodogo	23	1	2016	Yellow-billed Duck	ANAUN	5
BI00019	Lac Dogodogo	23	1	2016	Palm-nut Vulture	GYPAN	2
BI00019	Lac Dogodogo	23	1	2016	African Fish-Eagle	HALVO	1
BI00019	Lac Dogodogo	23	1	2016	Black Crake	PORFL	50
BI00019	Lac Dogodogo	23	1	2016	Allen's Gallinule	GALAL	2
BI00019	Lac Dogodogo	23	1	2016	Common Moorhen	GALCH	2
BI00019	Lac Dogodogo	23	1	2016	African Jacana	ACTAF	50
BI00019	Lac Dogodogo	23	1	2016	White-winged Tern	CHLLE	17
BI00019	Lac Dogodogo	23	1	2016	Pied Kingfisher	CERRU	15
BI00019	Lac Dogodogo	23	1	2016	Malachite Kingfisher	ALCCR	5
BI00019	Lac Dogodogo	23	1	2016	Black-headed Heron	ARDME	3
BI00019	Lac Dogodogo	23	1	2016	Lesser Jacana	MICCA	80
BI00019	Lac Dogodogo	23	1	2016	Long-tailed Cormorant	PHAAF	35
BI00015	Kigwena	16	1	2016	African Fish-Eagle	HALVO	23
BI00015	Kigwena	16	1	2016	African Fish-Eagle	HALVO	23
BI00015	Kigwena	16	1	2016	Long-tailed Cormorant	PHAAF	3
BI00015	Kigwena	16	1	2016	African Pied Wagtail	MOTAG	7
BI00015	Kigwena	16	1	2016	Pied Kingfisher	CERRU	33

BI00015	Kigwena	16	1	2016	White-faced Duck	Whistling-	DENVI	1
BI00015	Kigwena	16	1	2016	Common Sandpiper		ACTHY	16
BI00015	Kigwena	16	1	2016	Gray heron		ARDCI	5
BI00015	Kigwena	16	1	2016	Black-headed Gull		LARRI	18
BI00015	Kigwena	16	1	2016	Great Cormorant		PHACA	2
BI00015	Kigwena	16	1	2016	Little Egret		EGRGA	2
Annex 1 : Data per site (Following)								
BI00015	Kigwena	16	1	2016	Black-headed Heron		ARDME	4
BI00016	Gatete	24	1	2016	Gray heron		ARDCI	1
BI00016	Gatete	24	1	2016	Gray heron		ARDCI	1
BI00016	Gatete	24	1	2016	Long-tailed Cormorant		PHAAF	16
BI00016	Gatete	24	1	2016	Pied Kingfisher		CERRU	10
BI00016	Gatete	24	1	2016	Black-headed Gull		LARRI	1
BI00016	Gatete	24	1	2016	Little Egret		EGRGA	2
BI00023	Rugoti	23	1	2016	Giant Kingfisher		MEGMA	1
BI00023	Rugoti	23	1	2016	Giant Kingfisher		MEGMA	1
BI00023	Rugoti	23	1	2016	Grey-headed Gull		LARCIR	1
BI00023	Rugoti	23	1	2016	Yellow-billed Duck		ANAUN	5
BI00023	Rugoti	23	1	2016	Pied Kingfisher		CERRU	3
BI00023	Rugoti	23	1	2016	Long-tailed Cormorant		PHAAF	1
BI00010	Chanic	16	1	2016	Intermediate Egret		EGRIN	15
BI00010	Chanic	16	1	2016	Intermediate Egret		EGRIN	15
BI00010	Chanic	16	1	2016	Hadada Ibis		HAGHA	6

Annex 2 : Characteristic per site

SITENAME	DAY	YEAR	SPECIESNAME	COVERAGE	METHOD	WATER	ICE	TIDAL
Lagune Gatumba	2, 16	2016	Gray heron	E	B	O	0	N
Lagune Gatumba	2, 16	2016	Black Crake	E	B	O	0	N
Lagune Gatumba	2, 16	2016	Purple Heron	E	B	O	0	N
Lagune Gatumba	2, 16	2016	Cattle Egret	E	B	O	0	N
Lagune Gatumba	2, 16	2016	Squacco Heron	E	B	O	0	N
Lagune Gatumba	2, 16	2016	White-winged Tern	E	B	O	0	N

Lagune Gatumba	2,	16	2016	Long-tailed Cormorant	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	African Jacana	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Common Sandpiper	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Sacred Ibis	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	African Openbill	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Hottentot Teal	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Allen's Gallinule	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Goliath Heron	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Malachite Kingfisher	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Glossy Ibis	E	B	O	0	N	I
Lagune Gatumba	2,	16	2016	Intermediate Egret	E	B	O	0	N	I
Lagune 1, PNR		16	2016	Gray heron	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Gray heron	E	F	O	0	N	I
Lagune 1, PNR		16	2016	White-fronted Plover	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Blacksmith Lapwing	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Black-winged Stilt	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Common Greenshank	E	F	O	0	N	I
Lagune 1, PNR		16	2016	African Marsh-Harrier	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Grey-headed Gull	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Cattle Egret	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Common Tern	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Glossy Ibis	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Little Egret	E	F	O	0	N	I
Lagune 1, PNR		16	2016	African Pygmy-Goose	E	F	O	0	N	I
Lagune 1, PNR		16	2016	Sacred Ibis	E	F	O	0	N	I
Buterere		16	2016	Gray heron	0	0	0	0	0	0
Buterere		16	2016	Gray heron	0	0	0	0	0	0
Buterere		16	2016	Cattle Egret	0	0	0	0	0	0
Buterere		16	2016	Long-tailed Cormorant	0	0	0	0	0	0
Buterere		16	2016	Great White Pelican	0	0	0	0	0	0
Buterere		16	2016	Little Egret	0	0	0	0	0	0
Buterere		16	2016	Hadada Ibis	0	0	0	0	0	0
Buterere		16	2016	Whiskered Tern	0	0	0	0	0	0

Buterere	16	2016	Common Sandpiper	0	0	0	0	0	0
Buterere	16	2016	Intermediate Egret	0	0	0	0	0	0
Annex 2 : Characteristic (Following)									
Buterere	16	2016	Blacksmith Lapwing	0	0	0	0	0	0
Buterere	16	2016	Black-winged Stilt	0	0	0	0	0	0
Buterere	16	2016	Malachite Kingfisher	0	0	0	0	0	0
Mirador 1, PNR	16	2016	Common Sandpiper	C	B	O	0	N	0
Mirador 1, PNR	16	2016	Common Sandpiper	C	B	O	0	N	0
Mirador 1, PNR	16	2016	White-faced Whistling-Duck	C	B	O	0	N	0
Mirador 1, PNR	16	2016	Fulvous Whistling-Duck	C	B	O	0	N	0
Mirador 1, PNR	16	2016	Purple Heron	C	B	O	0	N	0
Mirador 1, PNR	16	2016	Gray heron	C	B	O	0	N	0
Mirador 1, PNR	16	2016	Pied Kingfisher	C	B	O	0	N	0
Embouchure, PNR	16	2016	Long-tailed Cormorant	E	B	O	0	N	0
Embouchure, PNR	16	2016	Long-tailed Cormorant	E	B	O	0	N	0
Embouchure, PNR	16	2016	Common Sandpiper	E	B	O	0	N	0
Embouchure, PNR	16	2016	Grey-headed Gull	E	B	O	0	N	0
Embouchure, PNR	16	2016	Eurasian Curlew	E	B	O	0	N	0
Embouchure, PNR	16	2016	Great Cormorant	E	B	O	0	N	0
Embouchure, PNR	16	2016	African Skimmer	E	B	O	0	N	0
Embouchure, PNR	16	2016	Fulvous Whistling-Duck	E	B	O	0	N	0
Embouchure, PNR	16	2016	White-winged Tern	E	B	O	0	N	0
Embouchure, PNR	16	2016	Common Greenshank	E	B	O	0	N	0
Embouchure, PNR	16	2016	Marsh Sandpiper	E	B	O	0	N	0
Embouchure, PNR	16	2016	Cattle Egret	E	B	O	0	N	0
Embouchure, PNR	16	2016	Gray heron	E	B	O	0	N	0
Embouchure, PNR	16	2016	Ruff	E	B	O	0	N	0
Embouchure, PNR	16	2016	Grey-headed Gull	E	B	O	0	N	0
Embouchure, PNR	16	2016	Long-tailed Cormorant	E	B	O	0	N	0
Embouchure, PNR	16	2016	African Openbill	E	B	O	0	N	0
Embouchure, PNR	16	2016	Little Egret	E	B	O	0	N	0
Kabondo	16	2016	Cattle Egret	C	F	O	0	N	0
Kabondo	16	2016	Cattle Egret	C	F	O	0	N	0
Kabondo	16	2016	Long-tailed Cormorant	C	F	O	0	N	0
Kabondo	16	2016	African Openbill	C	F	O	0	N	0
Kabondo	16	2016	Rufous-bellied Heron	C	F	O	0	N	0
Kabondo	16	2016	Pied Kingfisher	C	F	O	0	N	0
Kabondo	16	2016	Purple Heron	C	F	O	0	N	0
Hôtel Tanganyika	16	2016	African openbill	C	F	O	0	N	0
Hôtel Tanganyika	16	2016	African openbill	C	F	O	0	N	0
Hôtel Tanganyika	16	2016	Cattle Egret	C	F	O	0	N	0
Hôtel Tanganyika	16	2016	Little Egret	C	F	O	0	N	0
Mirador 2, PNR	16	2016	White-faced Whistling-	C	B	O	0	N	0

			Duck						
Mirador 2, PNR	16	2016	White-faced Duck	Whistling-	C	B	O	0	N
Mirador 2, PNR	16	2016	Gray heron		C	B	O	0	N
Annex 2 : Characteristic per site (Following)									
Mirador 2, PNR	16	2016	Common Greenshank		C	B	O	0	N
Mirador 2, PNR	16	2016	Little Bittern		C	B	O	0	N
Cercle Nautique	16	2016	Dwarf Bittern		C	F	O	0	N
Cercle Nautique	16	2016	Dwarf Bittern		C	F	O	0	N
Cercle Nautique	16	2016	Cattle Egret		C	F	O	0	N
Cercle Nautique	16	2016	African Openbill		C	F	O	0	N
Rwegura	23	2016	Gray Crowned-Crane		M	F	N	0	N
Rwegura	23	2016	Gray Crowned-Crane		M	F	N	0	N
Rwegura	23	2016	Common Sandpiper		M	F	N	0	N
Rwegura	23	2016	Pink-backed Pelican		M	F	N	0	N
Rwegura	23	2016	Yellow-billed Duck		M	F	N	0	N
Rwegura	23	2016	Black-headed Heron		M	F	N	0	N
Mukazye	23	2016	Gray Crowned-Crane		B	F	O	0	N
Mukazye	23	2016	Gray Crowned-Crane		B	F	O	0	N
Mukazye	23	2016	Gray heron		B	F	O	0	N
Mukazye	23	2016	Hamerkop		B	F	O	0	N
Mukazye	23	2016	Pied Kingfisher		B	F	O	0	N
Mukazye	23	2016	Intermediate Egret		B	F	O	0	N
Mukazye	23	2016	African Jacana		B	F	O	0	N
Lac Cohoha	23	2016	Pied Kingfisher		B	B	N	0	N
Lac Cohoha	23	2016	Pied Kingfisher		B	B	N	0	N
Lac Cohoha	23	2016	Cattle Egret		B	B	N	0	N
Lac Cohoha	23	2016	Little Egret		B	B	N	0	N
Lac Rwihinda	23	2016	Long-tailed Cormorant		G	B	N	0	N
Lac Rwihinda	23	2016	Long-tailed Cormorant		G	B	N	0	N
Lac Rwihinda	23	2016	Little Bittern		G	B	N	0	N
Lac Rwihinda	23	2016	Dwarf Bittern		G	B	N	0	N
Lac Rwihinda	23	2016	Black-crowned Heron	Night-	G	B	N	0	N
Lac Rwihinda	23	2016	Cattle Egret		G	B	N	0	N
Lac Rwihinda	23	2016	Squacco Heron		G	B	N	0	N
Lac Rwihinda	23	2016	Striated Heron		G	B	N	0	N
Lac Rwihinda	23	2016	Rufous-bellied Heron		G	B	N	0	N
Lac Rwihinda	23	2016	Little Egret		G	B	N	0	N
Lac Rwihinda	23	2016	Purple Heron		G	B	N	0	N
Lac Rwihinda	23	2016	Gray heron		G	B	N	0	N
Lac Rwihinda	23	2016	Black-headed Heron		G	B	N	0	N
Lac Rwihinda	23	2016	Hadada Ibis		G	B	N	0	N
Lac Rwihinda	23	2016	White-faced Duck	Whistling-	G	B	N	0	N

			Duck						
Lac Rwihinda	23	2016	Fulvous Whistling-Duck	G	B	N	0	N	I
Lac Rwihinda	23	2016	Yellow-billed Duck	G	B	N	0	N	I
Lac Rwihinda	23	2016	African Fish-Eagle	G	B	N	0	N	I
Lac Rwihinda	23	2016	Black Crake	G	B	N	0	N	I
Annex 2 : Characteristic per site (Following)									
Lac Rwihinda	23	2016	Allen's Gallinule	G	B	N	0	N	I
Lac Rwihinda	23	2016	African Jacana	G	B	N	0	N	I
Lac Rwihinda	23	2016	Blacksmith Lapwing	G	B	N	0	N	I
Lac Rwihinda	23	2016	Common Sandpiper	G	B	N	0	N	I
Lac Rwihinda	23	2016	Pied Kingfisher	G	B	N	0	N	I
Lac Rweru	24	2016	Long-tailed Cormorant	0	0	0	0	0	0
Lac Rweru	24	2016	Long-tailed Cormorant	0	0	0	0	0	0
Lac Rweru	24	2016	Dwarf Bittern	0	0	0	0	0	0
Lac Rweru	24	2016	Rufous-bellied Heron	0	0	0	0	0	0
Lac Rweru	24	2016	Cattle Egret	0	0	0	0	0	0
Lac Rweru	24	2016	Squacco Heron	0	0	0	0	0	0
Lac Rweru	24	2016	Little Egret	0	0	0	0	0	0
Lac Rweru	24	2016	African Fish-Eagle	0	0	0	0	0	0
Lac Rweru	24	2016	Palm-nut Vulture	0	0	0	0	0	0
Lac Rweru	24	2016	African Openbill	0	0	0	0	0	0
Lac Rweru	24	2016	White-faced Whistling-Duck	0	0	0	0	0	0
Lac Rweru	24	2016	Black Crake	0	0	0	0	0	0
Lac Rweru	24	2016	African Jacana	0	0	0	0	0	0
Lac Rweru	24	2016	Pied Kingfisher	0	0	0	0	0	0
Lac Rweru	24	2016	Woodland Kingfisher	0	0	0	0	0	0
Secteur Palmerais	22	2016	Yellow Wagtail	M	F	N	0	N	I
Secteur Palmerais	22	2016	Yellow Wagtail	M	F	N	0	N	I
Secteur Palmerais	22	2016	Gray heron	M	F	N	0	N	I
Secteur Palmerais	22	2016	Long-tailed Cormorant	M	F	N	0	N	I
Secteur Palmerais	22	2016	Cattle Egret	M	F	N	0	N	I
Secteur Palmerais	22	2016	Intermediate Egret	M	F	N	0	N	I
Secteur Palmerais	22	2016	Black-headed Heron	M	F	N	0	N	I
Mparambo	22	2016	Long-tailed Cormorant	C	F	N	0	N	I
Mparambo	22	2016	Long-tailed Cormorant	C	F	N	0	N	I
Mparambo	22	2016	Black-headed Heron	C	F	N	0	N	I
Mparambo	22	2016	Intermediate Egret	C	F	N	0	N	I
Mparambo	22	2016	Gray heron	C	F	N	0	N	I
Mparambo	22	2016	Sacred Ibis	C	F	N	0	N	I
Karira	23	2016	White-faced Whistling-Duck	M	F	O	0	N	I
Karira	23	2016	White-faced Whistling-Duck	M	F	O	0	N	I

Karira	23	2016	Cattle Egret	M	F	O	0	N	I
Karira	23	2016	Common Sandpiper	M	F	O	0	N	I
Karira	23	2016	Malachite Kingfisher	M	F	O	0	N	I
Karira	23	2016	African Openbill	M	F	O	0	N	I
Karira	23	2016	Yellow-billed Duck	M	F	O	0	N	I
Karira	23	2016	African Fish-Eagle	M	F	O	0	N	I
Karira	23	2016	Hamerkop	M	F	O	0	N	I
Annex 2 : Characteristic per site (Following)									
Karira	23	2016	Water Thick-knee	M	F	O	0	N	I
Karira	23	2016	Yellow Wagtail	M	F	O	0	N	I
Karira	23	2016	Hadada Ibis	M	F	O	0	N	I
Karira	23	2016	Cattle Egret	M	F	O	0	N	I
Karira	23	2016	White-winged Tern	M	F	O	0	N	I
Karira	23	2016	Common Sandpiper	M	F	O	0	N	I
Lac Dogodogo	23	2016	Cattle Egret	C	F	O	0	N	I
Lac Dogodogo	23	2016	Cattle Egret	C	F	O	0	N	I
Lac Dogodogo	23	2016	Common Sandpiper	C	F	O	0	N	I
Lac Dogodogo	23	2016	Pink-backed Pelican	C	F	O	0	N	I
Lac Dogodogo	23	2016	Squacco Heron	C	F	O	0	N	I
Lac Dogodogo	23	2016	Great Cormorant	C	F	O	0	N	I
Lac Dogodogo	23	2016	Rufous-bellied Heron	C	F	O	0	N	I
Lac Dogodogo	23	2016	Purple Heron	C	F	O	0	N	I
Lac Dogodogo	23	2016	Gray heron	C	F	O	0	N	I
Lac Dogodogo	23	2016	Hamerkop	C	F	O	0	N	I
Lac Dogodogo	23	2016	African Openbill	C	F	O	0	N	I
Lac Dogodogo	23	2016	White-faced Whistling-Duck	C	F	O	0	N	I
Lac Dogodogo	23	2016	Yellow-billed Duck	C	F	O	0	N	I
Lac Dogodogo	23	2016	Palm-nut Vulture	C	F	O	0	N	I
Lac Dogodogo	23	2016	African Fish-Eagle	C	F	O	0	N	I
Lac Dogodogo	23	2016	Black Crake	C	F	O	0	N	I
Lac Dogodogo	23	2016	Allen's Gallinule	C	F	O	0	N	I
Lac Dogodogo	23	2016	Common Moorhen	C	F	O	0	N	I
Lac Dogodogo	23	2016	African Jacana	C	F	O	0	N	I
Lac Dogodogo	23	2016	White-winged Tern	C	F	O	0	N	I
Lac Dogodogo	23	2016	Pied Kingfisher	C	F	O	0	N	I
Lac Dogodogo	23	2016	Malachite Kingfisher	C	F	O	0	N	I
Lac Dogodogo	23	2016	Black-headed Heron	C	F	O	0	N	I
Lac Dogodogo	23	2016	Lesser Jacana	C	F	O	0	N	I
Lac Dogodogo	23	2016	Long-tailed Cormorant	C	F	O	0	N	I
Kigwena	16	2016	African Fish-Eagle	0	0	0	0	0	0
Kigwena	16	2016	African Fish-Eagle	0	0	0	0	0	0
Kigwena	16	2016	Long-tailed Cormorant	0	0	0	0	0	0
Kigwena	16	2016	African Pied Wagtail	0	0	0	0	0	0

Kigwena	16	2016	Pied Kingfisher	0	0	0	0	0	0
Kigwena	16	2016	White-faced Whistling-Duck	0	0	0	0	0	0
Kigwena	16	2016	Common Sandpiper	0	0	0	0	0	0
Kigwena	16	2016	Gray heron	0	0	0	0	0	0
Kigwena	16	2016	Black-headed Gull	0	0	0	0	0	0
Kigwena	16	2016	Great Cormorant	0	0	0	0	0	0
Kigwena	16	2016	Little Egret	0	0	0	0	0	0
Annex 2 : Characteristic per site (Following)									
Kigwena	16	2016	Black-headed Heron	0	0	0	0	0	0
Gatete	24	2016	Gray heron	0	0	0	0	0	0
Gatete	24	2016	Gray heron	0	0	0	0	0	0
Gatete	24	2016	Long-tailed Cormorant	0	0	0	0	0	0
Gatete	24	2016	Pied Kingfisher	0	0	0	0	0	0
Gatete	24	2016	Black-headed Gull	0	0	0	0	0	0
Gatete	24	2016	Little Egret	0	0	0	0	0	0
Rugoti	23	2016	Giant Kingfisher	B	F	O	0	N	I
Rugoti	23	2016	Giant Kingfisher	B	F	O	0	N	I
Rugoti	23	2016	Grey-headed Gull	B	F	O	0	N	I
Rugoti	23	2016	Yellow-billed Duck	B	F	O	0	N	I
Rugoti	23	2016	Pied Kingfisher	B	F	O	0	N	I
Rugoti	23	2016	Long-tailed Cormorant	B	F	O	0	N	I
Chanic	16	2016	Intermediate Egret	C	F	N	0	N	I
Chanic	16	2016	Intermediate Egret	C	F	N	0	N	I
Chanic	16	2016	Hadada Ibis	C	F	N	0	N	I

Annex 3 : Participants nouns (Following)	
Buterere	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Buterere	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Buterere	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Buterere	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Mirador 1, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Isaïe NTIRABAMPA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Embouchure, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Kabondo	Eric NIYONGABO, Espérance NIYONKURU
Kabondo	Eric NIYONGABO, Espérance NIYONKURU
Kabondo	Eric NIYONGABO, Espérance NIYONKURU
Kabondo	Eric NIYONGABO, Espérance NIYONKURU
Kabondo	Eric NIYONGABO, Espérance NIYONKURU
Kabondo	Eric NIYONGABO, Espérance NIYONKURU

Kabondo	Eric NIYONGABO, Espérance NIYONKURU
Hôtel Tanganyika	Jeannette NITUNGA, Pierre NTAHONKURIYE
Annex 3 : Participants nouns (Following)	
Hôtel Tanganyika	Jeannette NITUNGA, Pierre NTAHONKURIYE
Hôtel Tanganyika	Jeannette NITUNGA, Pierre NTAHONKURIYE
Hôtel Tanganyika	Jeannette NITUNGA, Pierre NTAHONKURIYE
Mirador 2, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Mirador 2, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Mirador 2, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Mirador 2, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Mirador 2, PNR	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Cercle Nautique	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Cercle Nautique	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Cercle Nautique	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Cercle Nautique	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA, Evelyne NININHAZWE
Rwegura	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA
Rwegura	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA
Rwegura	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA
Rwegura	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA
Rwegura	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA
Rwegura	Dr Régine Pacis NASASAGARE, Eric NIBIGIRA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Mukazyé	Isaïe NTIRABAMPA, Paterne KEZIMANA
Lac Cohoha	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Cohoha	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Cohoha	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Cohoha	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA

Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Annex 3 : Participants nouns (Following)	
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rwihinda	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Lac Rweru	Arsène MANIRAMBONA, Jeannette NITUNGA
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Secteur Palmerais	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Mparambo	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Mparambo	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Mparambo	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Mparambo	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Mparambo	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Mparambo	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Karira	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU

Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Annex 3 : Participants nouns (Following)	
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Kigwena	Arsène MANIRAMBONA, Jeannette NITUNGA, Pierre NTAHONKURIYE
Gatete	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Gatete	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Gatete	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Gatete	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Gatete	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Gatete	Eric NIYONGABO, Ernest Désiré NDAYISABA, Espérance NIYONKURU
Rugoti	Dieudonné BIZIMANA, Pierre NTAHONKURIYE, Evelyne NININAHAZWE
Rugoti	Dieudonné BIZIMANA, Pierre NTAHONKURIYE, Evelyne NININAHAZWE
Rugoti	Dieudonné BIZIMANA, Pierre NTAHONKURIYE, Evelyne NININAHAZWE
Rugoti	Dieudonné BIZIMANA, Pierre NTAHONKURIYE, Evelyne NININAHAZWE
Rugoti	Dieudonné BIZIMANA, Pierre NTAHONKURIYE, Evelyne NININAHAZWE
Rugoti	Dieudonné BIZIMANA, Pierre NTAHONKURIYE, Evelyne NININAHAZWE
Chanic	Ernest Désiré NDAYISABA, Paterne KEZIMANA
Chanic	Ernest Désiré NDAYISABA, Paterne KEZIMANA
Chanic	Ernest Désiré NDAYISABA, Paterne KEZIMANA

Annex 4: Combined data per site (Following)

SITENAME	Total
Lagune 2, Gatumba	519
Lagune 1, PNR	3642
Buterere	244
Mirador 1, PNR	36
Embouchure, PNR	845
Kabondo	792
Hôtel Tanganyika	48
Mirador 2, PNR	27
Cercle Nautique	160
Rwegura	41
Mukazye	66
Lac Cohoha	28
Lac Rwihinda	560
Lac Rweru	425
Secteur Palmerais	115
Mparambo	106
Karira	362
Lac Dogodogo	3134
Kigwena	121
Gatete	31
Rugoti	12
Chanic	61
Total	11375