

## Country Profile

# Rwanda

### *Giraffe Conservation Status Report*



**Sub-region:** East Africa

#### General statistics

Size of country: 26,338 km<sup>2</sup>

Size of protected areas / percentage protected area coverage: 9%

#### (Sub)species

Masai giraffe (*Giraffa camelopardalis tippelskirchi*)

#### Conservation Status

##### IUCN Red List (IUCN 2012):

*Giraffa camelopardalis* (as a species) – least concern

*Giraffa camelopardalis tippelskirchi* – not assessed

##### In Rwanda:

Giraffe is listed by the Rwanda Environment Management Authority as a protected species that may consequently not be hunted. Rwanda's draft Wildlife Act is currently under revision at parliament level.

#### Issues/threats

Rwanda is one of the smallest but most densely populated countries in Africa (over 10 million inhabitants account for a population density of 230/km<sup>2</sup>) and one of the poorest countries in the world (Nsabimama 2010, Blanc *et al.* 2007). Growing population pressure, limited land resources, and a decade of war, has resulted in movement and resettlement of human populations in and adjacent to protected areas (Blanc *et al.* 2007; Kanyamibwa 1998). In 1994, following the Rwandan Civil War, returning refugees from Uganda and Tanzania saw an opportunity to resettle in Rwanda. Together with their livestock they occupied much of the Akagera National Park and surrounding land in the north east of the country (Van De Weghe 1990). With grazing and water readily available adjacent to and inside the park, human-wildlife conflict increased e.g. human injuries from wildlife, crop-raiding, illegal killing and illegal grazing (Van De Weghe 1990).

Akagera Management Company, a partnership between African Parks and the Rwanda Development Board, has been responsible for the management of Akagera National Park since early 2010 and since then there have not been any recorded incidents of illegally killed giraffe, or carcasses found (S. Hall pers. comm.).

However, giraffe have been sighted with snares and other injuries, and as such illegal hunting is still considered a potential serious threat (S. Hall pers. comm.).

An aerial survey undertaken in 2002 indicated a 50-80% decline in wildlife in the area of the former Akagera National Park (Lamprey 2002). The decline was most marked in the degazetted area and has mainly been attributed to human activities (Lamprey 2002). As giraffe frequently roam outside the park into the degazetted area, this could suggest a possible negative impact on current and future giraffe populations. At the time of writing, a boundary fence is under construction which would limit the movement of animals out of the park boundaries in future.

## Estimate population abundance and trends

### Historic

Giraffe do not naturally occur in Rwanda (East 1999). Historic records indicate significant populations of wildlife, although never giraffe (Van De Weghe 1990).

### Recent

The first extra-limital introduction of giraffe into Rwanda occurred in 1986 (East 1999; Van De Weghe 1990). The Government of Kenya donated two male and four female Masai giraffe, which were subsequently introduced into the southern part of Akagera National Park in 1986 (East 1999; Van De Weghe 1990). Until then, the species had never been recorded in Rwanda, despite the eastern savannas of Rwanda bordering with Tanzania in an area where giraffe were once abundant (Van De Weghe 1990). Regardless of their alien status, the giraffe flourished and the first offspring was born in 1988, after which the population grew exponentially (Van De Weghe 1990) to approximately 20 by 1994 (East 1999).

An aerial survey of the Akagera National Park was conducted in 2002 and estimated the total giraffe population at 101 individuals (Lamprey 2002). However, 80% of the giraffe were surveyed outside the current park boundaries, in the degazetted area, possibly suggesting that this is their preferred habitat.

### Current

The most recent aerial survey of the park was undertaken in 2010 in which no giraffe were recorded in the sample transects, making population estimates difficult. Only one group of 15 giraffe was observed outside the survey transect and hence could not be included (S. Hall pers. comm.).

During informal ground counts along the two main roads in Akagera National Park (south to north) park officials have recorded 23, 31 and 38 individuals respectively in 2012. However, based on incidental observations, the Akagera National Park giraffe population is currently estimated at just over 100 individuals (S. Hall pers. comm.; [www.african-parks.org](http://www.african-parks.org)).

*N.B. An aerial survey is planned for the end of 2012 and it is hoped that this will give a more precise estimate of current giraffe numbers.*

## Future Conservation Management

The following are proposed conservation management options for giraffe in Rwanda:

- As giraffe are an extralimital introduction to Rwanda, it is important that any future introductions (although this in itself should be reviewed in light of its biodiversity conservation for giraffe) should only be the same (sub)species as previously introduced – *G. c. tippelskirchi*;
- Development of National Giraffe Strategy for Rwanda; and
- Support to dedicated giraffe conservation, habitat protection, education and awareness initiatives (government, NGO and academic)

## Acknowledgements

We would like to thank Sarah Hall and Roger Gakwerere for their valuable input. This study was financially supported by the Giraffe Conservation Foundation, the Mohamed bin Zayed Species Conservation Fund and Blank Park Zoo.

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## Citation

Marais, A.J., Fennessy, S. & Fennessy, J. 2012. *Country Profile: A rapid assessment of the giraffe conservation status in Rwanda*. Giraffe Conservation Foundation, Windhoek, Namibia.

Map

