

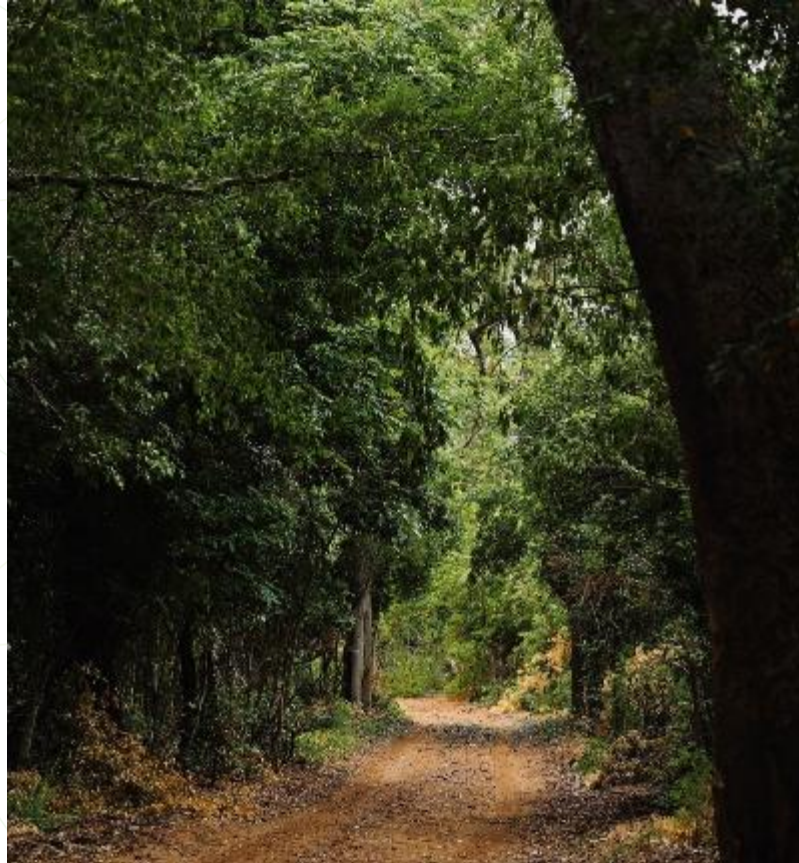


The Richness and Habitat Use by Large Carnivores Returning Naturally to Zinave National Park, Mozambique

Oswaldo Abrão,

Skukuza – Kruger National Park

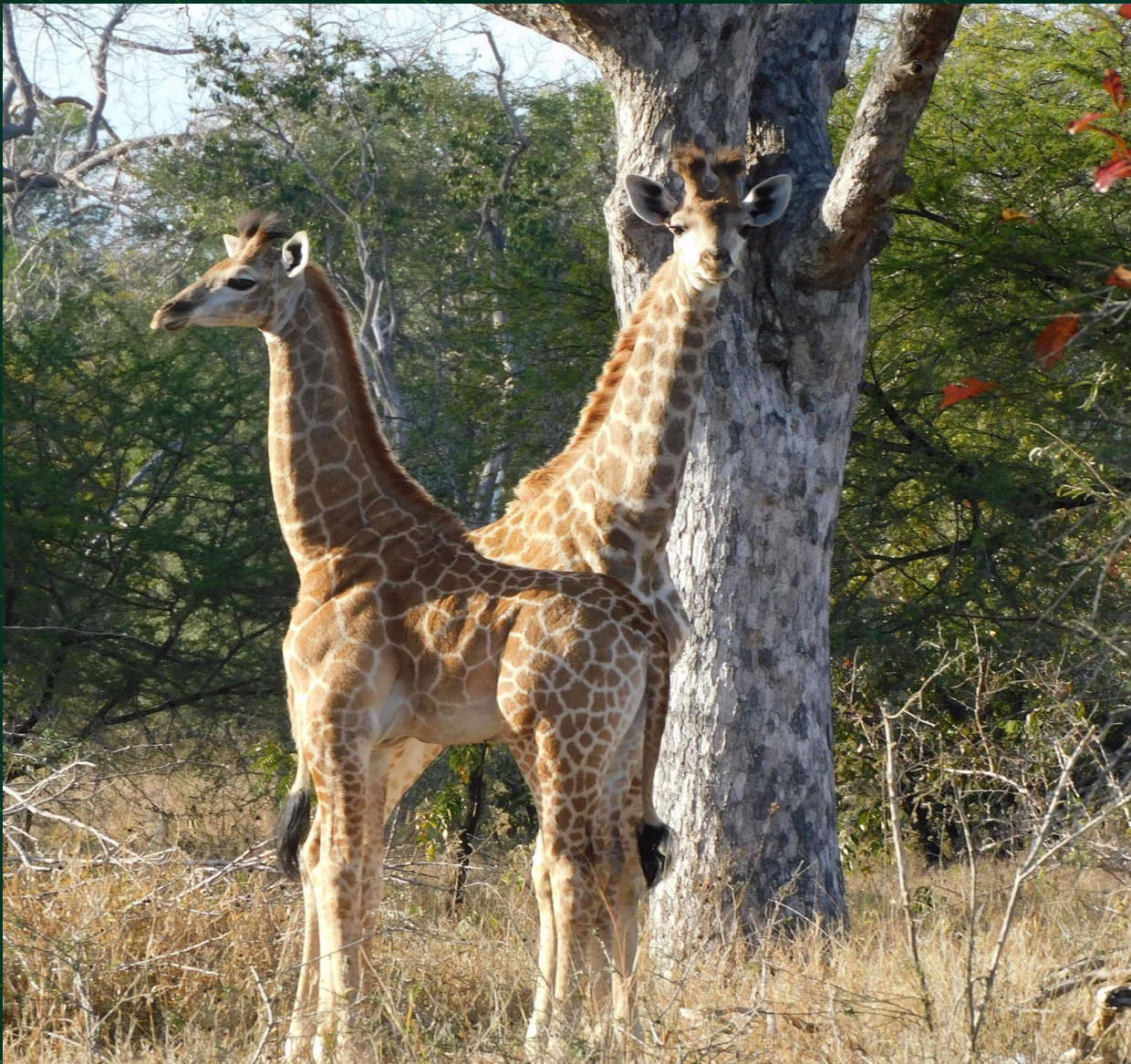
February,06 2025



ZINAVE NATIONAL PARK

- 4000 km²
 - South Mozambique
 - Flora & fauna transition zone
 - Miombo & Mopane interface

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Before Civil War (1977-1992)

High population of herbivores

- Probably with largest nyala concentration in Africa (Tinley et al 1976)
- Presence of carnivore population (Lions, cheetahs, leopards , Spotted hyenas, Black-backed jackals, Caracals)

Post war period (1992-2015)

- Intensive poaching
- High logging
- High decline of wildlife (e.g., nyala, impala, oribi, great kudo elephant)
- Local extinction (e.g., blue wildebeest, southern buffalo)
- Absence of large carnivores





NEW ERA (2016)

Coo management agreement



&



Rewilding

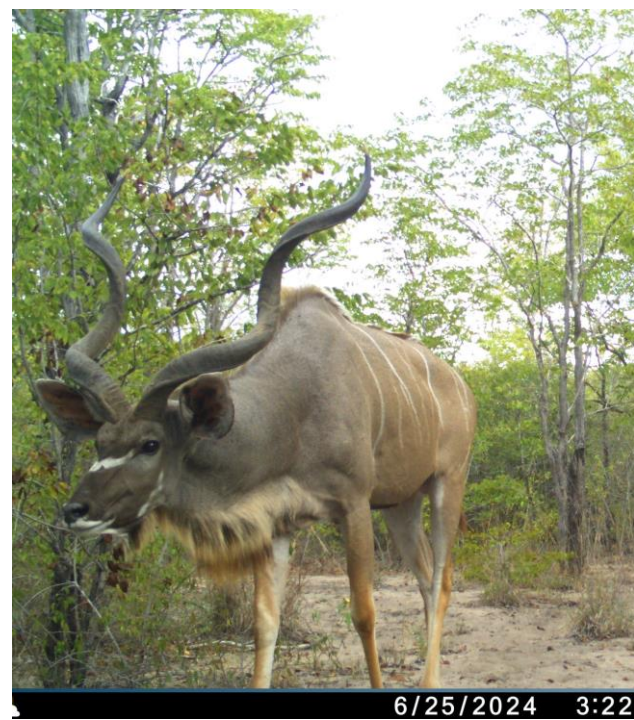
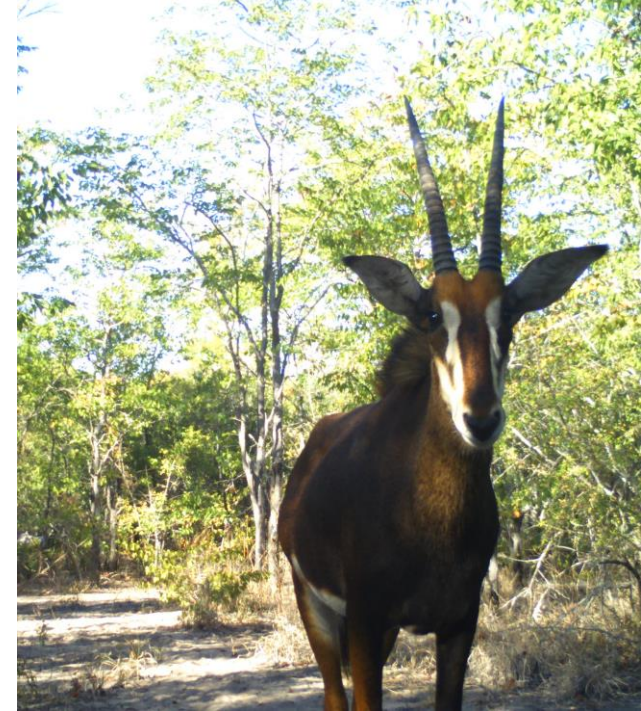
- First fauna sanctuary with 6000ha
- Expansion of the sanctuary to 18500ha
- Around 2500 animals reintroduced



Increased patrolling capacity



Greater success in operations



Current Situation

Growing herbivore population
Natural Return of Large Predators





Richness of Large Carnivores



13/04/2024 23:11:25 PIR Trigger 05 22°C 72°F



29.73 inHg - 28°C 05/19/2024 05:25PM ZINAUE



01/05/2024 21:07:17 PIR Trigger 23 25°C 77°F



ZINAUE 03/05/2024 03:07:04 PIR Trigger 25 19°C 66°F

What are the ecological benefits of this return?



Brown hyena (*Parahyaena brunnea*)



Side- striped jackal (*Lupulella adustus*)

13/07/2024 21:04:31

PIR

Influencing the return of other scavenging carnivores

CR
TICALLY
ANGERED >



11/15/2023



10/2/2024 9:40

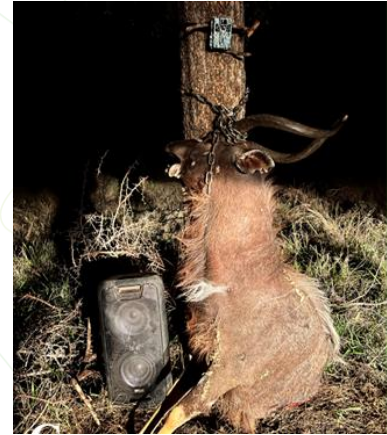


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Influence on bird's scavengers
activity

Vultures & Marabou storks

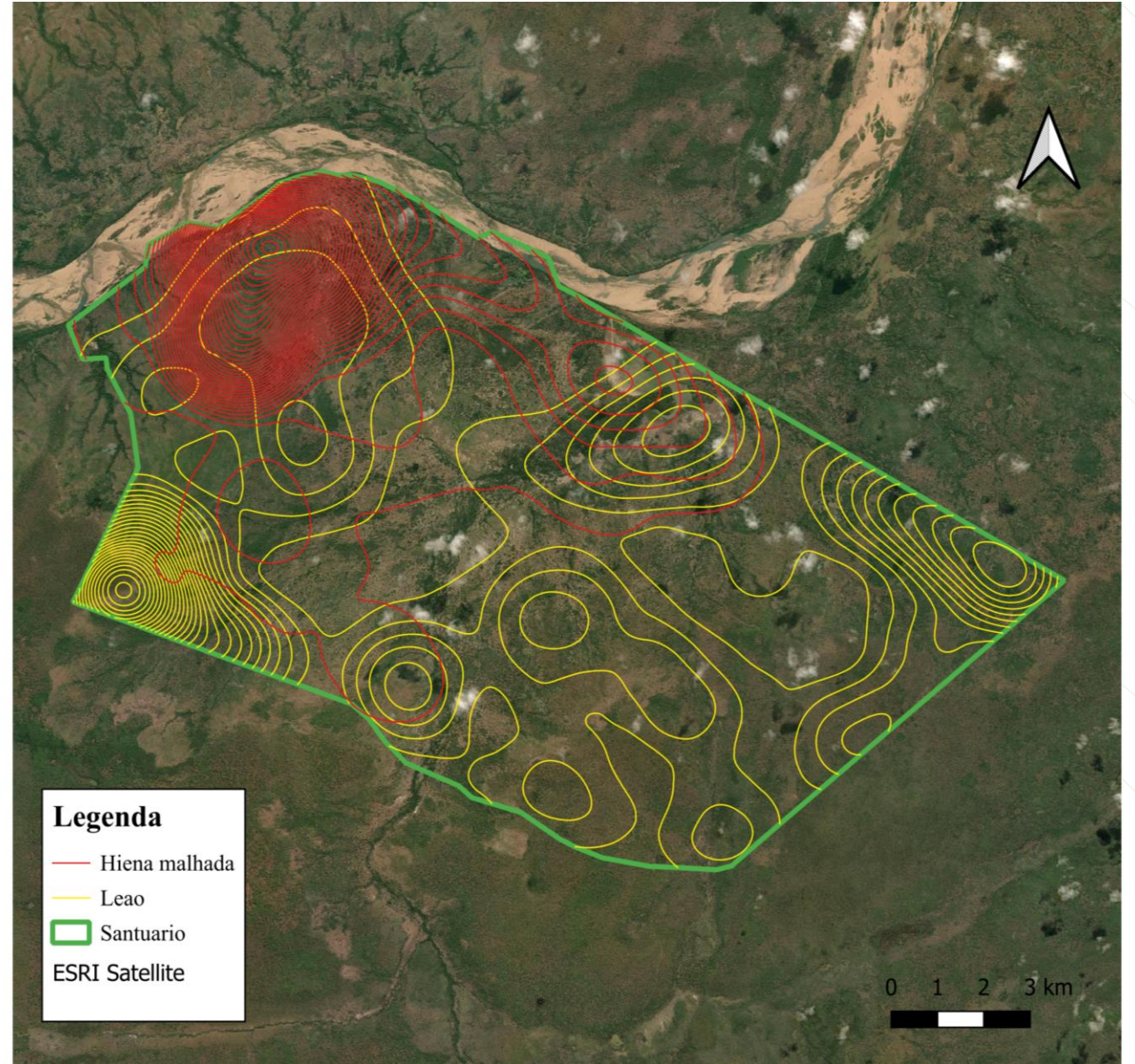
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Habitat Use

- Collar placement & Movement monitoring

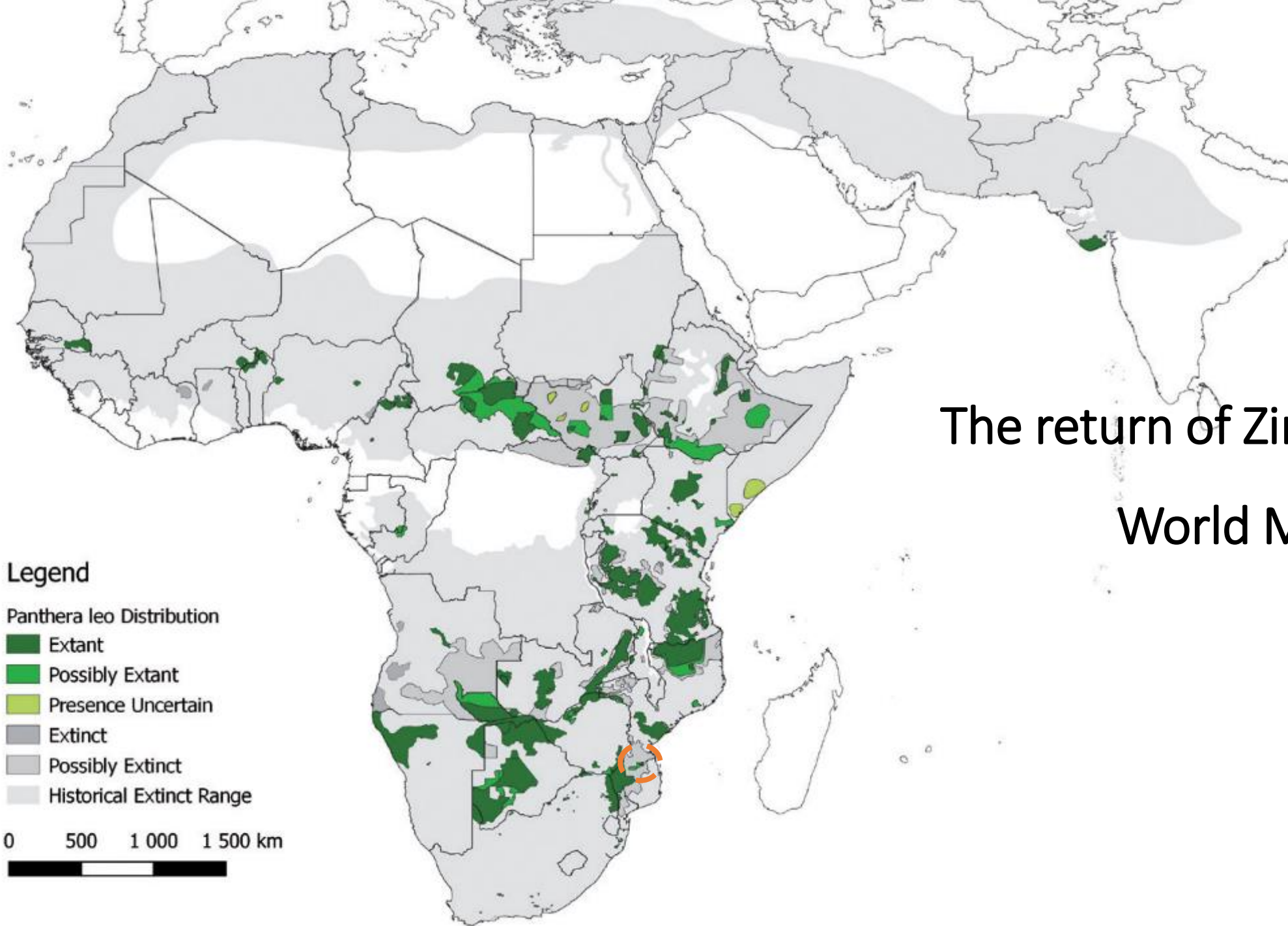
Collars – Habitat use





The African Lion Database - distribution data submission template

ID	Year	Date	Protected area	Latitude	Longitude	Number of males	Number of females	individualCount	noAdult	noSubAdult	noCubs	Nomadic/Resident/Transient	basisOfRecord
1	2023	10/10/2023	Zinave National Park	-21.4678	33.9497	2	0	2	2	0	0	Resident	Heard roaring
5	2023	10/9/2023	Zinave National Park	-21.46373	33.94156	1	0	1	1	0	0	Resident	spoor
2	2023	10/8/2023	Zinave National Park	-21.4678	33.9497	2	0	2	2	0	0	Resident	Camera trap
3	2023	10/8/2023	Zinave National Park	-21.4678	33.9497	2	0	2	2	0	0	Resident	spoor
4	2023	10/8/2023	Zinave National Park	-21.4678	33.9497	2	0	1	1	0	0	Resident	spoor
7	2023	9/29/2023	Zinave National Park	-21.47345	33.79216	1	0	1	1	0	0	Resident	spoor
8	2023	9/29/2023	Zinave National Park	-21.46227	33.79914	1	1	1	1	0	0	Resident	spoor
6	2023	9/25/2023	Zinave National Park	-21.52646	33.85402	3	0	3	0	0	0	Resident	Camera trap
29	2023	9/25/2023	Zinave National Park	-21.47898	33.75288	2	0	0	2	0	0	Resident	Camera trap
9	2023	9/24/2023	Zinave National Park	-21.479	33.75232	1	0	1	1	0	0	Resident	spoor
28	2023	9/14/2023	Zinave National Park	-21.53066	33.86497	3	0	3	3	0	0	Resident	Camera trap
10	2023	8/21/2023	Zinave National Park	-21.46143	33.95007	1	0	1	1	0	0	Resident	spoor
33	2023	8/9/2023	Zinave National Park	-21.44816	33.8292	1	1	1	1	0	0	Resident	sighting
30	2023	8/8/2023	Zinave National Park	-21.46166	33.93756	3	0	0	3	0	0	Resident	Camera trap
11	2023	7/25/2023	Zinave National Park	-24.48324	33.76594	1	0	1	1	0	0	Resident	spoor
12	2023	7/19/2023	Zinave National Park	-24.45735	33.80466	1	0	1	1	0	0	Resident	spoor
13	2023	7/18/2023	Zinave National Park	-21.45354	33.92444	1	0	1	1	0	0	Resident	spoor
15	2023	7/12/2023	Zinave National Park	-21.51306	33.82648	1	0	1	1	0	0	Resident	spoor



The return of Zinave on the World Map





Thank you!

