



ARDB 2019. AFRICAN RAPTOR DATABANK:
a secure, live data observatory for the
distribution and movements of African raptors.
Habitat Info Ltd, Solva, UK.
www.habitatinfo.com/ardb_observatory/
02/12/2019: 12:12:43

240 Congo Serpent-eagle

Dryotriorchis spectabilis IUCN Status **Least Concern**
IUCN (2019-2)

male mass = 850 g
female mass = 950 g
mean mass = 900 g

area requirement (of pair/2.2 individuals) = 19.4 km²

from Newton (1979) figure 10: $area\ km^2 = 0.4 + (0.02 * female\ mass\ g)$
replaced by direct measurement of field density where we have data

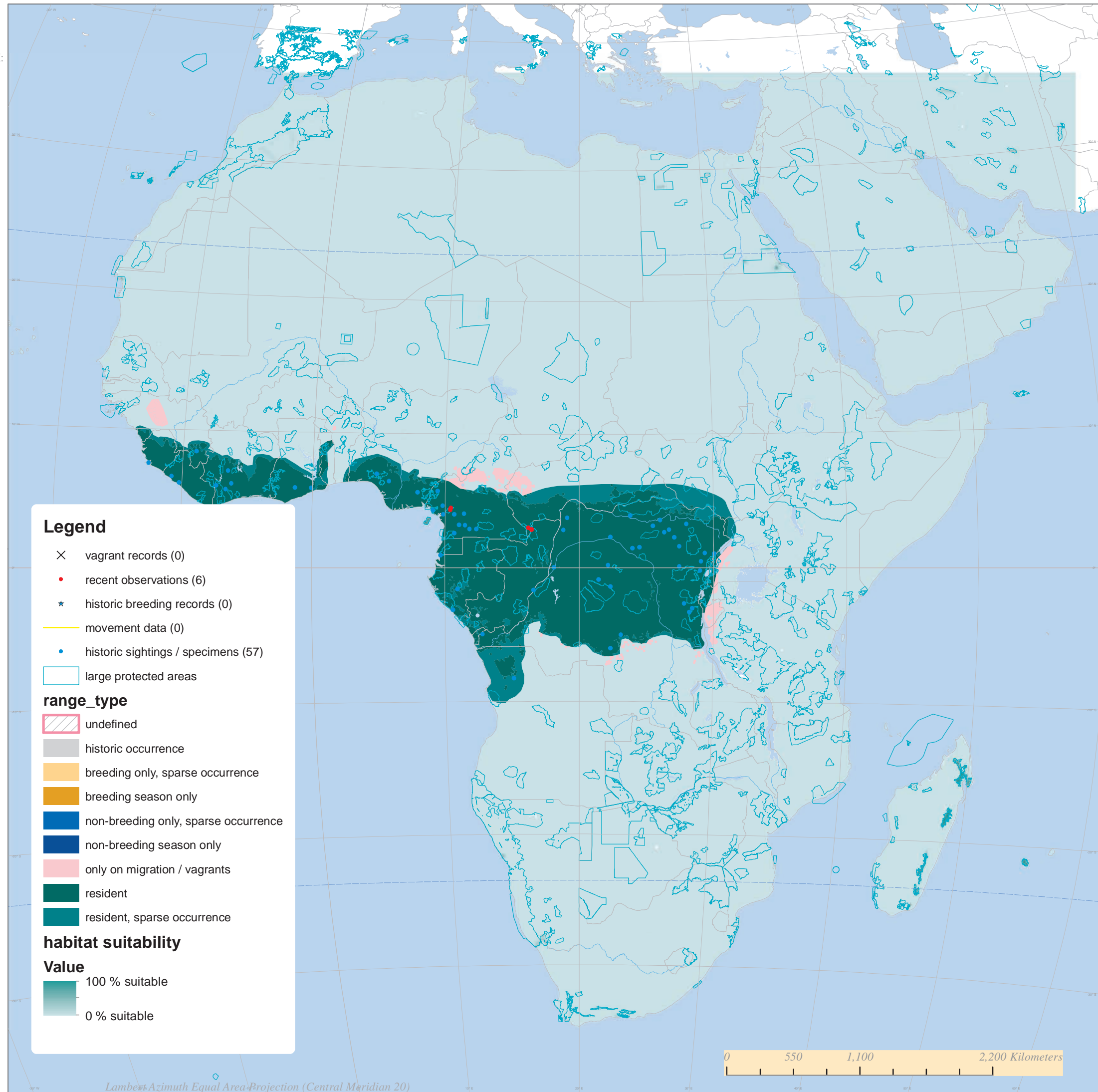
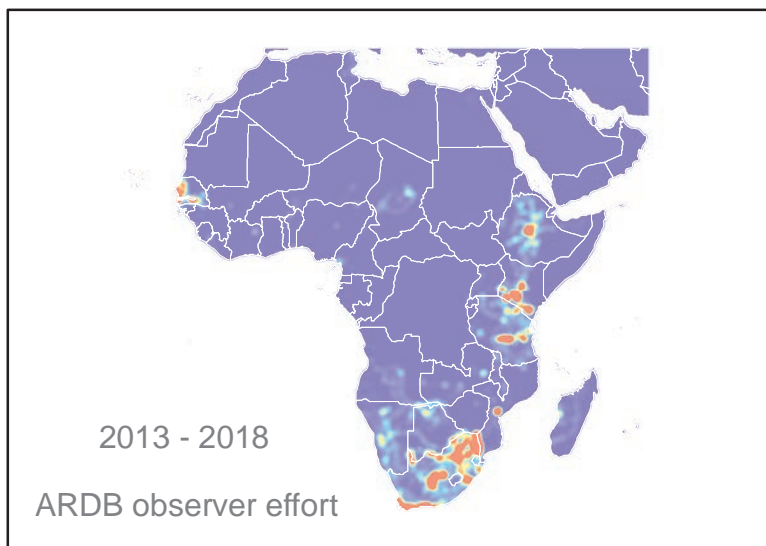
this figure is used for estimating density of breeding individuals and offspring in good habitat
we assume twice the area requirement in suboptimal habitat
and half the area requirement in optimal habitat
breeding population estimates represent theoretical maxima where habitat is saturated
nest-site limitation and the floating / non-breeding population are not yet fully accounted for

HABITAT SPACE ANALYSIS

	extent (km ²)	individuals	pairs
suboptimal 25-50% suitable	1443348	81839	37200
good habitat 50-70% suitable	604519	68554	31161
optimal habitat 70-100% suitable	135482	30728	13967
total habitat 25-100% suitable	2183349	181121	67920

reporting rate from mobile app survey data

2014 (26724 km) : birds per 100 km
2015 (87188 km) : birds per 100 km
2016 (81150 km) : birds per 100 km
2017 (57721 km) : birds per 100 km
2018 (19798 km) : birds per 100 km



Legend

- × vagrant records (0)
- recent observations (6)
- ★ historic breeding records (0)
- movement data (0)
- historic sightings / specimens (57)
- large protected areas

range_type

- ▨ undefined
- historic occurrence
- breeding only, sparse occurrence
- breeding season only
- non-breeding only, sparse occurrence
- non-breeding season only
- only on migration / vagrants
- resident
- resident, sparse occurrence

habitat suitability

Value

- 100 % suitable
- 0 % suitable

0 550 1,100 2,200 Kilometers

Lambert Azimuth Equal Area Projection (Central Meridian 20)